# City of Ormond Beach

**City Commission Meeting**

City Hall Commission Chambers

22 South Beach St., Ormond Beach FL 32174

**July 22, 2025, 7:00 PM**

*Jason Leslie, Mayor*
*Lori Tolland, Zone 1*
*Travis Sargent, Zone 2*
*Kristin Deaton, Zone 3*
*Harold Briley, Zone 4*

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## Agenda

**1. CALL TO ORDER**

**2. INVOCATION**

**3. PLEDGE OF ALLEGIANCE**

**4. ADOPTION OF FISCAL YEAR 2025-2026 TENTATIVE MILLAGE RATE**

A. Proposed Millage Rates for the 2025-2026 Fiscal Year

**RESOLUTION NO. 2025-102:** A RESOLUTION ADOPTING PROPOSED MILLAGE RATES FOR THE 2025-2026 FISCAL YEAR; ESTABLISHING THE DATE, TIME AND PLACE FOR THE FIRST PUBLIC HEARING ON THE PROPOSED MILLAGE RATES AND THE TENTATIVE BUDGET; DIRECTING COMMUNICATION; EXPRESSING LEGISLATIVE INTENT; AND SETTING FORTH AN EFFECTIVE DATE.

**5. AUDIENCE REMARKS - REGARDING ITEMS NOT ON THE AGENDA & ON THE CONSENT AGENDA**

**6. APPROVAL OF MINUTES**

A. Minutes from City Commission meeting - June 3, 2025

**7. CONSENT AGENDA**

The action proposed is stated for each item on the Consent Agenda. Unless a City Commissioner removes an item from the Consent Agenda, no discussion on individual items will occur and a single motion will approve all items.

A. Volusia County Schools SRO Agreement

**RESOLUTION NO. 2025-98:** A RESOLUTION AUTHORIZING THE EXECUTION OF A CONTRACT RENEWAL OF A SCHOOL RESOURCE OFFICER AGREEMENT BETWEEN THE CITY OF ORMOND BEACH AND THE SCHOOL BOARD OF VOLUSIA COUNTY; AND SETTING FORTH AN EFFECTIVE DATE.

B. Hazard Mitigation Grant Program Submittal - North John Anderson Drive Drainage Improvements

**RESOLUTION NO. 2025-103:** A RESOLUTION AUTHORIZING THE SUBMITTAL OF

A GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THE HAZARD MITIGATION GRANT PROGRAM FOR FUNDING ASSISTANCE TO PROVIDE DRAINAGE IMPROVEMENTS TO NORTH JOHN ANDERSON DRIVE; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

C. Hazard Mitigation Grant Program Submittal - Water Reclamation Facility Influent Pump Station Replacement

**RESOLUTION NO. 2025-104:** A RESOLUTION AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THE HAZARD MITIGATION GRANT PROGRAM FOR FUNDING ASSISTANCE FOR THE REPLACEMENT OF AN INFLUENT PUMP STATION AT THE WATER RECLAMATION FACILITY; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

D. Hazard Mitigation Grant Program Submittal - Water Treatment Plant Generator Replacement

**RESOLUTION NO. 2025-105:** A RESOLUTION AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THE HAZARD MITIGATION GRANT PROGRAM FOR FUNDING ASSISTANCE TO REPLACE THE FIXED GENERATOR AT THE WATER TREATMENT PLANT; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

E. CDBG Division Avenue North Side Sidewalk Improvements

**RESOLUTION NO. 2025-106:** A RESOLUTION ACCEPTING THE BID OF ALL CONSTRUCTION GROUP OF NORTH FLORIDA, INC. REGARDING THE DIVISION AVENUE NORTH SIDE SIDEWALK IMPROVEMENTS PROJECT, UNDER BID NO. 2025-17; REJECTING ALL OTHER BIDS; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; AND SETTING FORTH AN EFFECTIVE DATE.

F. CDBG Central Park Trail Project

**RESOLUTION NO. 2025-107:** A RESOLUTION ACCEPTING A BID FROM PAUL CULVER CONSTRUCTION, INC. FOR CONSTRUCTION SERVICES REGARDING THE CENTRAL PARK TRAIL PROJECT, UNDER BID NO. 2025-48; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

G. CDBG Military Boulevard Sidewalk Improvements

**RESOLUTION NO. 2025-108:** A RESOLUTION ACCEPTING A BID FROM DREWRY SITE DEVELOPMENT, LLC FOR CONSTRUCTION SERVICES REGARDING THE MILITARY BOULEVARD SIDEWALK IMPROVEMENTS PROJECT, UNDER BID NO. 2025-32; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

H. Board of Adjustments and Appeals Alternate Appointment

**RESOLUTION NO. 2025-109:** A RESOLUTION APPOINTING AN ALTERNATE MEMBER OF THE BOARD OF ADJUSTMENTS AND APPEALS; SETTING FORTH TERMS AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

I. Brownfield Advisory Board Appointment

**RESOLUTION NO. 2025-110:** A RESOLUTION APPOINTING A MEMBER OF THE BROWNFIELD ADVISORY BOARD; SETTING FORTH TERMS AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

J. Ormond Beach Housing Authority Appointment

**RESOLUTION NO. 2025-111:** A RESOLUTION APPOINTING LINDSEY WOLF AS A MEMBER TO SERVE AS A COMMISSIONER OF THE ORMOND BEACH HOUSING AUTHORITY; SETTING FORTH TERM AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

K. Ormond Memorial Art Museum Service Agreement

**RESOLUTION NO. 2025-112:** A RESOLUTION AUTHORIZING EXECUTION OF A SERVICE AGREEMENT BETWEEN THE CITY AND THE ORMOND MEMORIAL ART MUSEUM, INC.; AUTHORIZING THE EXPENDITURE OF FUNDING; AND SETTING FORTH AN EFFECTIVE DATE.

L. FDOT Emergency Basecamp License Agreement

**RESOLUTION NO. 2025-113:** A RESOLUTION AUTHORIZING THE EXECUTION OF A LICENSE AGREEMENT BETWEEN THE CITY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION REGARDING A TEMPORARY BASECAMP AT THE ORMOND BEACH MUNICIPAL AIRPORT; AND SETTING FORTH AN EFFECTIVE DATE.

M. Bid Award - Laboratory Testing Services

**RESOLUTION NO. 2025-114:** A RESOLUTION ACCEPTING A BID FROM PACE ANALYTICAL SERVICES, LLC FOR LABORATORY SERVICES REGARDING WATER SAMPLE TESTING AND LAB ANALYSIS, UNDER BID NO. 2025-47;

AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

N. Bid Award - Sports Complex Stormwater Retention Expansion

**RESOLUTION NO. 2025-115:** A RESOLUTION ACCEPTING THE BID OF GPS CIVIL CONSTRUCTION, INC. REGARDING THE SPORTS COMPLEX STORMWATER RETENTION EXPANSION PROJECT, UNDER BID NO. 2025-22; REJECTING ALL OTHER BIDS; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; AND SETTING FORTH AN EFFECTIVE DATE.

O. RFP Award - Aquatic Weed Control

**RESOLUTION NO. 2025-116:** A RESOLUTION ACCEPTING THE PROPOSAL OF CHUCK ROBINSON CONCRETE AND BOB CAT SERVICE, INC., REGARDING AQUATIC WEED CONTROL MAINTENANCE AND DITCH CLEANING SERVICES; AUTHORIZING THE EXECUTION OF AN AGREEMENT AND PAYMENT THEREFOR; REJECTING ALL OTHER PROPOSALS; AND SETTING FORTH AN EFFECTIVE DATE.

P. RFP Award - New Playground Equipment, Andy Romano Beachfront Park and Fire Station 91

**RESOLUTION NO. 2025-117:** A RESOLUTION ACCEPTING THE PROPOSAL OF PLAYCORE WISCONSIN, INC. D/B/A GAMETIME REGARDING THE PURCHASE AND INSTALLATION OF PLAYGROUND EQUIPMENT FOR ANDY ROMANO BEACHFRONT PARK AND FIRE STATION 91 PARK; AUTHORIZING THE EXECUTION OF AN AGREEMENT AND PAYMENT THEREFOR; REJECTING ALL OTHER PROPOSALS; AND SETTING FORTH AN EFFECTIVE DATE.

Q. RFP Award - Broker for Property, Liability and Workers' Compensation Insurance

**RESOLUTION NO. 2025-118:** A RESOLUTION ACCEPTING THE PROPOSAL OF FOUNDATION RISK PARTNERS, CORP REGARDING AGENT OF RECORD SERVICES FOR PROPERTY, LIABILITY AND WORKERS' COMPENSATION INSURANCE; AUTHORIZING THE EXECUTION OF AN AGREEMENT AND PAYMENT THEREFOR; REJECTING ALL OTHER PROPOSALS; AND SETTING FORTH AN EFFECTIVE DATE.

R. Work Authorization - Lift Station 6P Rehab, Danus Utilities

**RESOLUTION NO. 2025-120:** A RESOLUTION ACCEPTING A PROPOSAL FROM DANUS UTILITIES, INC. TO PROVIDE UNDERGROUND UTILITY CONSTRUCTION MANAGEMENT SERVICES REGARDING THE LIFT STATION 6P REHABILITATION PROJECT; AUTHORIZING THE EXECUTION OF A WORK AUTHORIZATION THERETO; AND SETTING FORTH AN EFFECTIVE DATE.

S. Ormond Beach Strategic Plan 2025

**RESOLUTION NO. 2025-121:** A RESOLUTION OF THE CITY COMMISSION APPROVING AND ADOPTING THE CITY'S 2025 STRATEGIC PLAN; AND PROVIDING AN EFFECTIVE DATE.

T. Volusia County Multi-Jurisdictional Local Mitigation Strategy (LMS) Adoption

**RESOLUTION NO. 2025-122:** A RESOLUTION SUPPORTING AND ADOPTING THE UPDATED VOLUSIA COUNTY LOCAL HAZARD MITIGATION PLAN; AND SETTING FORTH AN EFFECTIVE DATE.

U. **Disposition Item:** Construction & Demolition Roll-Off Services Franchise Application - SJP Enterprises LLC, DBA Prince Containers

V. **Disposition Item:** RFP - Water Well Assessment And Rehabilitation Services

W. **Disposition Item:** RFP - State Of Florida Legislative Lobbying Services

X. **Disposition Item:** RFP - Ticketing Software Solution For The Ormond Beach Performing Arts Center

Y. **Disposition Item:** Auto Renewal - Yellowstone Landscape Grounds Maintenance

Z. **Disposition Item:** City Manager's Monthly Report, July 2025

## 8. PUBLIC HEARINGS

A. Land Development Code Amendments - 1000 block of North US Highway 1 Abutting the Tomoka River

**ORDINANCE NO. 2025-21:** AN ORDINANCE AMENDING CHAPTER 2, DISTRICT AND GENERAL REGULATIONS, ARTICLE VI, OVERLAY DISTRICTS, SECTION 2-73, GREENBELT AND GATEWAY PRESERVATION DISTRICTS, SUBSECTION (C), DESIGN CRITERIA; AND CHAPTER 3, PERFORMANCE STANDARDS, ARTICLE II, ENVIRONMENTAL PROTECTION STANDARDS, SECTION 3-21, WETLANDS PROTECTION, SUBSECTION (H), BUFFER REQUIREMENTS, OF THE CITY OF ORMOND BEACH LAND DEVELOPMENT CODE BY AMENDING THE LANDSCAPE BUFFER AND WETLAND BUFFER REQUIREMENTS FOR PROPERTIES LOCATED WITHIN THE 1000 BLOCK OF NORTH U.S. HIGHWAY 1, ORMOND BEACH, TO BE CONSISTENT WITH VOLUSIA COUNTY STANDARDS; REPEALING ALL INCONSISTENT ORDINANCES OR PARTS THEREOF; PROVIDING FOR SEVERABILITY; AND SETTING FORTH AN EFFECTIVE DATE.

B. 155 North Nova Road, Signage Special Exception

**RESOLUTION NO. 2025-123:** A RESOLUTION AUTHORIZING THE EXECUTION AND ISSUANCE OF A DEVELOPMENT ORDER FOR A SPECIAL EXCEPTION FOR A SIGN VARIANCE FOR PROPERTY LOCATED AT 155 NORTH NOVA ROAD, AND

BEING SITUATED WITHIN THE B-1, PROFESSIONAL OFFICE/HOSPITAL ZONING DISTRICT, TO ALLOW THE RECONSTRUCTION OF A POLE SIGN DAMAGED BY HURRICANE MILTON BASED ON SITE SPECIFIC CONDITIONS; ESTABLISHING CONDITIONS AND EXPIRATION DATE OF APPROVAL; AND SETTING FORTH AN EFFECTIVE DATE.

## 9. FIRST READING OF ORDINANCES

A. Amendment to Code of Ordinances, Chapter 15, Parks and Recreation

**ORDINANCE NO. 2025-22:** AN ORDINANCE AMENDING SECTIONS 15-3 AND 15-8 OF CHAPTER 15, PARKS AND RECREATION, OF THE CITY OF ORMOND BEACH CODE OF ORDINANCES, TO PROVIDE FOR THE REGULATION OF VAPING IN PARKS AND AT OTHER MUNICIPAL FACILITIES; PROVIDING FOR THE REPEAL OF ALL ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR SEVERABILITY, AND SETTING FORTH AN EFFECTIVE DATE.

## 10. STAFF ACTION ITEMS

A. Florida League of Cities Voting Delegate

## 11. REPORTS, SUGGESTIONS, REQUESTS

## 12. ADJOURNMENT

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Website Address – www.ormondbeach.org

NOTICE – Pursuant to Section 286.0105 of the Florida Statutes, if any person decides to appeal any decision made by the City Commission with respect to any matter considered at this public meeting, such person will need a record of the proceedings and for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, including the testimony and evidence upon which the appeal is to be based.



For special accommodations, please notify the City Clerk's Office at least 72 hours in advance.
Phone: 386-677-0311



Help for the hearing impaired is available through the Assistive Listening System. Receivers can be obtained from the City Clerk's Office.

In accordance with the Americans with Disabilities Act (ADA), persons with a disability, such as a vision, hearing or speech impairment, or persons needing other types of assistance, and who wish to attend City Commission meetings or any other board or committee meeting may contact the City Clerk's Office in writing, or may call 386-677-0311 for information regarding available aids and services.

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 4.A. |
| **Section** | ADOPTION OF FISCAL YEAR 2025-2026 TENTATIVE MILLAGE RATE | **Category** | Resolution |
| **Subject** | Proposed Millage Rates for the 2025-2026 Fiscal Year | | |
| **Recommended Action** | Staff recommends approval of the tentative operating millage rate of 4.5220 and voter-approved debt millage rate of 0.0630. As in the past, the operating and debt rates will be set with a single resolution. | | |
| **Strategic Goal** | Fiscal Transparency | | |
| **Department Staff Contact** | Finance<br>Kelly McGuire, Finance Director | | |


Summary

This is a request for the City Commission to set the proposed millage rate that will be placed on the Truth in Millage (TRIM) notice by the Property Appraiser, and to establish the dates and times for the first public hearing on Wednesday, September 3, 2025 at 7:00 p.m. and the final public hearing on Wednesday, September 17, 2025 at 7:00 p.m.


Financial Impact

The proposed tentative millage rate for FY 2025-2026 is as follows:

| **Purpose** | **Millage Rate** |
|---|---|
| General Fund | 3.7950 |
| Facilities Renewal & Replacement | 0.1650 |
| Capital Improvements | 0.0840 |
| Vehicle & Equipment Renewal & Replacement | 0.0900 |
| Transportation Improvements | 0.1040 |
| Public Safety Fund | 0.1800 |
| Leisure Services Fund | 0.1040 |

| | |
|---|---|
| **Total Operating Millage Rate** | 4.5220 |
| 2010 General Obligation Bond | 0.0630 |
| **Total Millage** | 4.5850 |

The rollback tax rate is 3.9042 mills.

Citizen Impact

The operating rate will provide funding to continue the high level of services currently provided to the community and dedicates funding for continued maintenance of City facilities, roadways, and recreational expenditures.

Attachments

1. 25-102 FY 2025-26 Tentative Millage Rate (P25-0087G)

**RESOLUTION NO. 2025-102**

A RESOLUTION ADOPTING PROPOSED MILLAGE RATES FOR THE 2025-2026 FISCAL YEAR; ESTABLISHING THE DATE, TIME AND PLACE FOR THE FIRST PUBLIC HEARING ON THE PROPOSED MILLAGE RATES AND THE TENTATIVE BUDGET; DIRECTING COMMUNICATION; EXPRESSING LEGISLATIVE INTENT; AND SETTING FORTH AN EFFECTIVE DATE.

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** After careful consideration of the estimate of receipts and the estimate of expenditures of the City of Ormond Beach, Florida ("the City"), it is hereby agreed that the rates of taxation necessary to meet such expenses will be, for each of the hereinafterstated purposes, the amounts estimated, declared and hereby levied, to-wit:

**(a)** in order to meet the estimate of expenses of the City, it is hereby determined and declared that the total operating millage shall be at the rate of 4.5220 mills or $4.5220 per $1,000 of taxable value, and the same is hereby levied and imposed upon all non-exempt taxable property within the corporate limits of the City for those purposes hereinafter described to provide for the expenditures as estimated in the Fiscal Year 2025-2026 Annual Budget;

**(i)** in order to meet the estimate of General Fund, Capital Improvements Fund, Facilities Renewal and Replacement Fund, Vehicle and Equipment Replacement Fund, Public Safety Vehicle and Equipment Replacement Fund, Transportation Improvements Fund, and Leisure Services Fund expenses of the City, it is hereby determined and declared that the operating

millage rate (General Fund, Capital Improvements Fund, Facilities Renewal and Replacement Fund, Vehicle and Equipment Replacement Fund, Public Safety Vehicle and Equipment Replacement Fund, Transportation Improvements Fund, and Leisure Services Fund combined) shall be at the rate of 4.5220 mills or $4.5220 per $1,000 of taxable value, and the same is hereby levied and imposed upon all non-exempt taxable property within the corporate limits of the City for general purposes to provide for the General Fund, Capital Improvements Fund, Facilities Renewal and Replacement Fund, Vehicle and Equipment Replacement Fund, Public Safety Vehicle and Equipment Replacement Fund, Transportation Improvements Fund, and Leisure Services Fund expenditures as estimated in the Fiscal Year 2025-2026 Annual Budget;

**(ii)** the millage rate to be levied, 4.5220 mills, is a 15.82% increase over the "rolled-back" millage rate, which is $3.9042 per $1,000 of taxable value;

**(iii)** in order to pay interest upon and sinking fund requirements for the outstanding 2010 general obligation bond issue of the City, and for the purpose of paying the expenses of servicing such bonds, it is hereby determined and declared that the debt service millage shall be at the rate of 0.0630 mills or 6.30¢ per $1,000 of taxable value, and the same is hereby levied and imposed on all non-exempt taxable property within the corporate limits of the City for the purposes hereinbefore stated in this Subsection.

Voters approved the 2010 general obligation bond issue on August 24, 2010 for the acquisition and development of a beachfront park.

**SECTION TWO.** A public hearing on the aforestated proposed millage rates and on the tentative Fiscal Year 2025-2026 Annual Budget will be held on Wednesday, September 3, 2025 at 7:00 p.m., in the Commission Chambers of the Ormond Beach City Hall, 22 South Beach Street, Ormond Beach, Florida.

**SECTION THREE.** The City Manager is hereby directed to advise the Volusia County Property Appraiser of the City's proposed millage rates as hereinbefore set forth, of its rolled-back millage rate computed pursuant to Section 200.065(1), *Florida Statutes,* and Rule 12D-17.0035, *Fla. Admin. Code,* and of the date, time and place at which the City will hold a public hearing to consider the proposed millage rates and the tentative Fiscal Year 2025-2026 Annual Budget.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**MINUTES**
**ORMOND BEACH CITY COMMISSION**
**HELD AT CITY HALL COMMISSION CHAMBERS**

| **June 3, 2025** | **7:00 p.m.** | **Commission Chambers** |
|---|---|---|

Present: Mayor Jason Leslie, Commissioners Lori Tolland, Travis Sargent, Kristin Deaton, and Harold Briley, City Manager Joyce Shanahan, City Attorney Randy Hayes, Assistant City Manager Shawn Finley, and City Clerk Susan Dauderis.

***A G E N D A***

**1. CALL TO ORDER**

**2. INVOCATION**

**3. PLEDGE OF ALLEGIANCE**

**4. PRESENTATIONS AND PROCLAMATIONS**

A. Boys State Delegates, American Legion Florida Post 267

B. 2025 Citizens Academy Graduation

C. 2025 Home Rule Hero Award

**5. AUDIENCE REMARKS - REGARDING ITEMS NOT ON THE AGENDA & CONSENT AGENDA ITEMS**

**6. APPROVAL OF MINUTES**

A. Minutes from City Commission meeting - May 20, 2025

**7. COMMUNITY REDEVELOPMENT AGENCY**

A. **RESOLUTION NO. 2025-96**: A RESOLUTION OF THE CITY COMMISSION, ALSO ACTING AS THE COMMUNITY REDEVELOPMENT AGENCY, OF THE CITY OF ORMOND BEACH, FLORIDA, APPROVING THE DOWNTOWN MASTER ARTS PLAN; AND SETTING FORTH AN EFFECTIVE DATE. **(SEE ITEM 8A)**

***Staff Contact:*** *Steven Spraker, Planning Director, (386) 676-3341*

**8. CONSENT AGENDA**

The action proposed is stated for each item on the Consent Agenda. Unless a City Commissioner removes an item from the Consent Agenda, no discussion on individual items will occur and a single motion will approve all items.

A. **RESOLUTION NO. 2025-96**: A RESOLUTION OF THE CITY COMMISSION, ALSO ACTING AS THE COMMUNITY REDEVELOPMENT AGENCY, OF THE CITY OF ORMOND BEACH, FLORIDA, APPROVING THE DOWNTOWN MASTER ARTS PLAN; AND SETTING FORTH AN EFFECTIVE DATE.

***Staff Contact:*** *Steven Spraker, Planning Director, (386) 676-3341*

B. **RESOLUTION NO. 2025-97**: A RESOLUTION APPOINTING A MEMBER TO THE LEISURE SERVICES ADVISORY BOARD; SETTING FORTH TERMS AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

***Staff Contact:*** *Susan Dauderis, City Clerk, (386) 676-3340*

C. **RESOLUTION NO. 2025-98**: A RESOLUTION AUTHORIZING THE EXECUTION OF A CONTRACT RENEWAL OF A SCHOOL RESOURCE OFFICER AGREEMENT BETWEEN THE CITY OF ORMOND BEACH AND THE SCHOOL BOARD OF VOLUSIA

COUNTY; AND SETTING FORTH AN EFFECTIVE DATE.

***Staff Contact:*** *Jesse Godfrey, Police Chief, (386) 676-3500*

D. **RESOLUTION NO. 2025-99:** A RESOLUTION ACCEPTING THE BID OF SPARKS CONCRETE, LLC D/B/A SPARKS CONCRETE & ASPHALT REGARDING THE 2025 ROADWAY RESURFACING PROJECT, UNDER BID NO. 2025-35; REJECTING ALL OTHER BIDS; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; AND SETTING FORTH AN EFFECTIVE DATE.

***Staff Contact:*** *Alex Schumann, City Engineer, (386) 676-3302*

E. **RESOLUTION NO. 2025-100:** A RESOLUTION AUTHORIZING THE APPROVAL AND EXECUTION OF A PURCHASE AUTHORIZATION FOR THE PURCHASE OF ONE INTERNATIONAL MV DUMP TRUCK, UNDER FLORIDA SHERIFFS ASSOCIATION BID NO. FSA 23-VEH21.1; DECLARING VEHICLE #352 TO BE SURPLUS PROPERTY AND AUTHORIZING THE DISPOSITION THEREOF; AND SETTING FORTH AN EFFECTIVE DATE.

***Staff Contact:*** *Kevin Gray, Deputy Public Works Director, (386) 676-3325*

F. **RESOLUTION NO. 2025-101:** A RESOLUTION ADOPTING RULES OF PARLIAMENTARY PROCEDURE; AND SETTING FORTH AN EFFECTIVE DATE.

***Staff Contact:*** *Randy Hayes, City Attorney, (386) 236-2000*

G. **Notification of Riverside Drive Road Closure - Forcemain Replacement Project**

***Staff Contact:*** *Bob Preis, Utilities Manager, (386) 676-3305*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

H. **FY 2024-2025 Edward Byrne Memorial Justice Assistance Grant (JAG) - Countywide Distribution**

***Staff Contact:*** *Loretta Moisio, Grants Coordinator, (386) 676-3315*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

I. **Auto Renewal - Pretreatment Effluent Pump Purchase**

***Staff Contact:*** *Bob Preis, Utilities Manager, (386) 676-3305*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

J. **Auto Renewal - Yellowstone Landscape Grounds Maintenance Agreement**

***Staff Contact:*** *Robert Carolin, Leisure Services Director, (386) 676-3279*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

K. **Intent to Bid - Airport Security Gates Replacement**

***Staff Contact:*** *Steven Lichliter, Airport Manager, (386) 615-7019*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

L. **Intent to Bid - Pressure Main Cleaning Services**

***Staff Contact:*** *Bob Preis, Utilities Manager, (386) 676-3305*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

M. **RFQ - Construction Management At Risk for Utility Services**

***Staff Contact:*** *Bob Preis, Utilities Manager, (386) 676-3305*

***Disposition:*** Approve as recommended in the City Manager staff report dated June 3, 2025.

**9. PUBLIC HEARINGS**

A. **ORDINANCE NO. 2025-19:** AN ORDINANCE APPROVING THE FINAL PLAT FOR THE "ENCLAVE SUBDIVISION"; ESTABLISHING CONDITIONS AND EXPIRATION DATE OF APPROVAL; AND SETTING FORTH AN EFFECTIVE DATE. **(SECOND READING)**

***Staff Contact:*** *Steven Spraker, Planning Director, (386) 676-3341*

B. **ORDINANCE NO. 2025-20:** AN ORDINANCE APPROVING THE FINAL PLAT FOR THE "FOUNTAIN VIEW, PHASE 1C" SUBDIVISION, SHOWN WITHIN PHASE 1 OF THE PLANTATION OAKS PLANNED RESIDENTIAL DEVELOPMENT; ESTABLISHING CONDITIONS AND EXPIRATION DATE OF APPROVAL; AND SETTING FORTH AN EFFECTIVE DATE. **(SECOND READING)**

***Staff Contact:*** *Steven Spraker, Planning Director, (386) 676-3341*

**10. DISCUSSION AND DIRECTION ITEMS**

A. Repeal of Plastic Straws Ordinance

***Staff Contact:*** *Joyce Shanahan, City Manager, (386) 676-3200*

**11. REPORTS, SUGGESTIONS, REQUESTS**

**12. ADJOURNMENT**

***M I N U T E S***

Item #1 – Meeting Call to Order

Mayor Leslie called the meeting to order at 7:00 p.m.

Item #2 – Invocation

Pastor George Ward, Emmanuel Church of the Living God, provided the invocation.

Item #3 – Pledge of Allegiance

Mayor Leslie led the Pledge of Allegiance.

Item #4 – Presentations and Proclamations

Item #4A – Boys State Delegates, American Legion Florida Post 267

Mayor Leslie presented a proclamation to the Boys State Delegates, special guests, and the coordinators from the American Legion Florida Post 267. He reviewed the delegates from Seabreeze High School and the Boys State civic program.

Item #4B – 2025 Citizens Academy

Mayor Leslie presented certificates to the 2025 Citizens Academy participants and thanked them for participating in the program.

Item #5 – Audience Remarks

Ms. Amber Bobak, 397 Collins Street, provided updates on the Circle K project on South Nova Road, including meetings she had and the higher standards she was requesting.

Ms. Carol Kilian, 1218 Champions Drive, Daytona Beach, 32117, stated she was speaking on behalf of Volusia Volunteers in Medicine, noting the name changed to Volusia Free Clinic. She provided details on the program and requested the Commission consider donating to the program. She provided a packet for the Commissioners.

Ms. Judy Robin, 81 Grizzly Bear Path, thanked the city for the free sandbags and self-serve station in preparation of hurricane season. She expressed concerns regarding the flooding in her neighborhood and questioned when the Hull Road drainage improvements would be made. She inquired why the Federal Aviation Administration needed to approve a golf course as a use on airport property when there was previously a golf course.

Mr. Mike Manis, 88 Seton Trail, requested approval to move forward with phase two of the Riverbend Trail System. He reviewed the residents' volunteer time to complete phase one of the trail, thanking them for their continued efforts.

Mr. David Jackson, Representative from American Legion Post 267, presented a check to Barracks of Hope from their Breakfast To-Go fundraiser.

Mr. Alan Burton, 915 Ocean Shore Boulevard, thanked the Commission for passing the landscaping ordinance, which emphasized the need for native plants. He discussed and provided background on monoculture.

Mr. Daniel Bowman, 2 Fernwood Trail, provided facts on the utilization of Riverbend Trail.

Mr. Arthur Armstrong, 77 Emerald Oak Lane, voiced concerns regarding a runway extension, the closed golf course, and the need for a golf course within the city.

Mr. Robert Jones, 46 Sadlers Run, discussed the importance of the trails and outdoor activity. He noted the importance of the expansion of the Riverbend Trail.

Ms. Jennifer Bright, 221 Arlington Way, voiced concerns regarding Items 8C and 8F.

Item #4C – 2025 Home Rule Hero

Mayor Nancy Miller, City of Daytona Beach Shores, stated there were three recipients of the 2025 Home Rule Hero award: Mayor Leslie, Commissioner Tolland, and City Manager Joyce Shanahan. She presented the 2025 Home Rule Hero award to Commissioner Tolland and City Manager Joyce Shanahan, as they were unable to attend the previously held banquet. She thanked them for their continued support.

Item #6 – Approval of Minutes

Mayor Leslie advised the minutes from the May 20, 2025, City Commission meeting were sent to the Commission for review and posted on the city's website for public viewing. He asked if there were any corrections, additions, or omissions. He stated, hearing no corrections, the minutes would stand approved as presented.

**Commissioner Briley moved, seconded by Commissioner Sargent, for approval of the May 20, 2025, City Commission meeting minutes.**

**Motion passed by voice vote.**

Item #7 – Community Redevelopment Agency

Mayor Leslie advised the following item was a Community Redevelopment item. He explained the City Commission served as the Community Redevelopment Agency (CRA) of the city and must review the item and make a recommendation as the CRA.

Mayor Leslie recessed the City Commission meeting, called the CRA meeting to order, and opened the public hearings at 7:46 p.m.

Item #7A – Downtown Master Arts Plan Adoption

City Clerk Susan C. Dauderis read by title only:

RESOLUTION NO. 2025-96

A RESOLUTION OF THE CITY COMMISSION, ALSO ACTING AS THE COMMUNITY REDEVELOPMENT AGENCY, OF THE CITY OF ORMOND BEACH, FLORIDA, APPROVING THE DOWNTOWN MASTER ARTS PLAN; AND SETTING FORTH AN EFFECTIVE DATE. **(SEE ITEM 8A)**

Ms. Bright voiced concerns regarding the price, funds, and proposed plans. She noted issues with traffic calming being included in the item.

Ms. Julia Truilo, 307 John Anderson Drive, stated she was the board president of the Ormond Beach Arts District. She thanked the Commission for their support of the plan and discussed the community builder that was public art.

**Commissioner Briley moved, seconded by Commissioner Deaton, for recommendation of Resolution No. 2025-96, as read by title only.**

**The motion passed by voice vote.**

Mayor Leslie closed the public hearings, adjourned the CRA meeting, and reconvened the City Commission meeting at 7:52 p.m.

Item #8 – Consent Agenda

Mayor Leslie advised the actions proposed for the items on the Consent Agenda were so stated on the agenda. He asked if any member of the Commission had questions or wished to discuss any items separately.

Commissioner Sargent requested Items 8C, 8D, and 8J be pulled from the Consent Agenda.

**Commissioner Briley moved, seconded by Commissioner Sargent, for approval of the Consent Agenda, absent Items 8C, 8D, and 8J.**

| | | |
|---|---|---|
| Call Vote: | Commissioner Sargent | Yes |
| | Commissioner Deaton | Yes |
| | Commissioner Briley | Yes |
| | Commissioner Tolland | Yes |
| Carried. | Mayor Leslie | Yes |

Item #8C – Volusia County Schools SRO Agreement

City Clerk Susan C. Dauderis read by title only:

RESOLUTION NO. 2025-98

A RESOLUTION AUTHORIZING THE EXECUTION OF A CONTRACT RENEWAL OF A SCHOOL RESOURCE OFFICER AGREEMENT BETWEEN THE CITY OF ORMOND BEACH AND THE SCHOOL BOARD OF VOLUSIA COUNTY; AND SETTING FORTH AN EFFECTIVE DATE.

**Commissioner Briley moved, seconded by Commissioner Sargent, to approve Resolution No. 2025-98, as read by title only.**

Commissioner Sargent stated he reached out to the Volusia County Schools inquiring how many other municipalities had a similar agreement in place and explained he had not received an answer. He explained he would not support the item as the School Board should fund the needed position, expressing concerns regarding utilizing taxpayer dollars on school items.

Commissioner Tolland inquired if there was time to table the item while Commissioner Sargent waited for the answer. She noted the contract was not to be renewed until late August.

Ms. Shanahan stated the contract would be in year two of a five-year contract. She expressed her understanding of Commissioner Sargent's concerns and noted the importance of the School Resource Officer (SRO) for safety and the relationship building between the children and police.

Commissioner Sargent agreed with Ms. Shanahan noting its importance. He explained he would not support the taxpayers funding the position.

Mayor Leslie inquired if the item could be tabled until Commissioner Sargent heard back.

**Commissioner Briley and Commissioner Sargent withdrew their motion and second.**

**Commissioner Briley moved, seconded by Commissioner Deaton, to Table Resolution No. 2025-98.**

| | | |
|---|---|---|
| Call Vote: | Commissioner Deaton | Yes |
| | Commissioner Briley | Yes |
| | Commissioner Tolland | Yes |
| | Commissioner Sargent | Yes |
| Carried. | Mayor Leslie | Yes |

Item #8D – Intent to Award - 2025 Roadway Resurfacing

City Clerk Susan C. Dauderis read by title only:

RESOLUTION NO. 2025-99

A RESOLUTION ACCEPTING THE BID OF SPARKS CONCRETE, LLC D/B/A SPARKS CONCRETE & ASPHALT REGARDING THE 2025 ROADWAY RESURFACING PROJECT, UNDER BID NO. 2025-35; REJECTING ALL OTHER BIDS; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; AND SETTING FORTH AN EFFECTIVE DATE.

**Commissioner Sargent moved, seconded by Commissioner Tolland, to approve Resolution No. 2025-99, as read by title only.**

Commissioner Sargent expressed concern regarding the low price and if the vendor would come back wanting more money. He noted if the vendor came back asking for more money for the project, he would not approve.

Mayor Leslie inquired if there was a stipulation in the contract preventing the vendor from exceeding the bid cost; whereby, Mr. Shawn Finley, Assistant City Manager, explained there was a staff member to verify the project stayed on track as far as timeline and fees.

Mr. Finley stated the contract did cover the city, and staff would hold the vendor to their bid price, noting any amendments would go before the Commission for approval.

| | | |
|---|---|---|
| Call Vote: | Commissioner Briley | Yes |
| | Commissioner Tolland | Yes |
| | Commissioner Sargent | Yes |
| | Commissioner Deaton | Yes |
| Carried. | Mayor Leslie | Yes |

Item #8J – Auto Renewal - Yellowstone Landscape Grounds Maintenance Agreement

City Clerk Susan C. Dauderis read:

Disposition Item: Auto Renewal - Yellowstone Landscape Grounds Maintenance Agreement

**Commissioner Sargent moved, seconded by Commissioner Tolland, to approve Disposition Item 8J.**

Commissioner Sargent voiced concerns regarding the lack of updated documentation, including new required forms, updated scope of service, and current Certificate of Insurance. He requested a map of the service areas moving forward to better understand the entire scope of service. He inquired if the contract should go out to bid. He requested the item be tabled until the proper documentation was provided.

Mr. Robert Carolin, Leisure Services Director, noted the contract included in the packet was the original contract from 2012 and explained he could provide the missing documentation.

Commissioner Sargent expressed the need for all related documents for the Commission to make informed decisions.

Mayor Leslie inquired when the contract was set to expire; whereby, Mr. Carolin stated the contract was on an auto-renewal on October 1 every year, meaning it was a year-to-year contract and needed a 90-day notice to the vendor.

Mr. Carolin stated if it was the Commission's desire to bid it out, he requested time to be able to do so properly.

Commissioner Tolland inquired how long it would take to gather all required information to be able to properly bid out the contract, noting she would support bringing the item back once all documentation was received for the renewal and bringing it back next year as a bid item. She voiced support of the current vendor.

**Commissioner Sargent and Commissioner Tolland withdrew their motion and second.**

**Commissioner Sargent moved, seconded by Commissioner Tolland, to Table Disposition Item 8J.**

| | | |
|---|---|---|
| Call Vote: | Commissioner Tolland | Yes |
| | Commissioner Sargent | Yes |
| | Commissioner Deaton | Yes |
| | Commissioner Briley | Yes |
| Carried. | Mayor Leslie | Yes |

Comments on the Consent Agenda

There were no further comments on the Consent Agenda.

Item #9 – Public Hearings

Item #9A – Enclave Subdivision, Final Plat

City Clerk Susan C. Dauderis read by title only:

ORDINANCE NO. 2025-19

AN ORDINANCE APPROVING THE FINAL PLAT FOR THE "ENCLAVE SUBDIVISION"; ESTABLISHING CONDITIONS AND EXPIRATION DATE OF APPROVAL; AND SETTING FORTH AN EFFECTIVE DATE. **(SECOND READING)**

**Commissioner Tolland moved, seconded by Commissioner Deaton, to approve Ordinance No. 2025-19, on the second reading, as read by title only.**

| | | |
|---|---|---|
| Call Vote: | Commissioner Sargent | Yes |
| | Commissioner Deaton | Yes |
| | Commissioner Briley | Yes |
| | Commissioner Tolland | Yes |
| Carried. | Mayor Leslie | Yes |

Item #9B – Fountain View, Phase 1C Final Plat

City Clerk Susan C. Dauderis read by title only:

ORDINANCE NO. 2025-20

AN ORDINANCE APPROVING THE FINAL PLAT FOR THE "FOUNTAIN VIEW, PHASE 1C" SUBDIVISION, SHOWN WITHIN PHASE 1 OF THE PLANTATION OAKS PLANNED RESIDENTIAL DEVELOPMENT; ESTABLISHING CONDITIONS AND EXPIRATION DATE OF APPROVAL; AND SETTING FORTH AN EFFECTIVE DATE. **(SECOND READING)**

**Commissioner Briley moved, seconded by Commissioner Tolland, to approve Ordinance No. 2025-20, on the second reading, as read by title only.**

| | | |
|---|---|---|
| Call Vote: | Commissioner Deaton | Yes |
| | Commissioner Briley | Yes |
| | Commissioner Tolland | Yes |
| | Commissioner Sargent | Yes |
| Carried. | Mayor Leslie | Yes |

Item #10 – Discussion and Direction Items

Item #10A – Repeal of Plastic Straws Ordinance

Ms. Shanahan stated the item was for the Commission to discuss and provide feedback to staff regarding repealing the straw ordinance.

**Commissioner Deaton moved, seconded by Commissioner Sargent, for staff to bring back an ordinance to repeal the current Plastic Straw Ordinance.**

Commissioner Sargent stated the ordinance was more an educational ban and was unneeded.

Commissioner Deaton explained she did not prefer the paper straws and would like the option for residents and vendors to choose which they would prefer.

| | | |
|---|---|---|
| Call Vote: | Commissioner Briley | Yes |
| | Commissioner Tolland | Yes |
| | Commissioner Sargent | Yes |
| | Commissioner Deaton | Yes |
| Carried. | Mayor Leslie | Yes |

Item #11 – Reports, Suggestions, Requests

Events, Updates, and Requests
Ms. Joyce Shanahan, City Manager, provided details on upcoming meetings, workshops, events, and updates on city projects.

Commissioner Sargent requested staff to address Ms. Robin's concerns regarding the flooding off Hull Road; whereby, Mr. Finley explained the city was working with Volusia County and their Transform 386 program. Mr. Finley provided updates as to where the Hull Road project was at and the timeline. Commissioner Sargent discussed events he attended, upcoming events, and updates on city projects. He asked if there was an update on the Wilmette Avenue property he proposed for the city to purchase; whereby, Mr. Finley stated staff was waiting on the second appraisal to be completed. He congratulated Mr. Manis on being Volusia County's Volunteer of the Year.

Commissioner Deaton expressed concerns regarding the traffic around the Nova Community Center near the Magic Rainbow Park. She congratulated the three Home Rule Hero award recipients. She thanked all those who assisted her after her medical leave from the May 20, 2025, City Commission meeting.

Commissioner Briley provided updates from the Transportation and Planning Organization. He briefly commented on Ms. Bobak's zoning concerns; whereby, Mr. Randy Hayes, City Attorney, clarified the matter would be brought before the Commission at a later date.

Commissioner Tolland stated she would no longer discuss the events and meetings she attended for efficiency and would be happy to discuss them with any citizen who requested an update. She congratulated the Boys State Delegates and Citizen's Academy participants. She thanked Mayor Miller for presenting the Home Rule Hero awards at the meeting, noting the entire Commission advocates at the state level for the residents. She expressed her gratitude and support of the Riverbend Trail system volunteers and their hard work on the mountain bike trail. She congratulated Mr. Manis on his award and Mr. Livingston Edwards on his Employee of the Year award from Volusia County. She thanked Ms. Truilo for her comments on Item 7A. She provided updates from a discussion she had with a representative from the Florida Department of Transportation. She announced the Florida League of Cities recently opened applications for their policy committees and encouraged the Commission to apply to any

committee they were interested in. She inquired if there was an update on the letter to Volusia County regarding the lifeguards; whereby, Ms. Shanahan stated there was no update.

Mayor Leslie congratulated the Citizen's Academy participants and the Boys State Delegates. He reviewed the events he attended. He thanked the Riverbend Trail volunteers for their work and congratulated Mr. Manis on his award. He congratulated the Home Rule Hero Award recipients.

Airport Property – Golf Course

Commissioner Sargent inquired if the revised Federal Aviation Administration (FAA) letter from the May 20, 2025, City Commission meeting had been sent; whereby, Ms. Shanahan stated a draft of the letter would be sent to the Commission and sent to the FAA by the end of the week. He asked if the Commission would approve him reaching out to the Florida Golf Coast University's Golf Management Program to ask questions and gather data and research if the airport property was allowed to house a golf course; whereby the Commission agreed he could do research as long as there was no cost to the city and he did not speak on behalf of the Commission.

Technology and Artificial Intelligence Advisory Board

Commissioner Sargent requested staff bring back information on what it would take to create a Technology and Artificial Intelligence (AI) Advisory Board; whereby, Commissioner Tolland expressed support of the idea, noting concerns of underutilization of other advisory boards.

Ms. Shanahan stated staff could research and bring back information on the proposed board; whereby, Mayor Leslie confirmed the Commissions interest for staff to do so.

Tobacco Free Volusia

Commissioner Tolland stated the Commission received an email from Tobacco Free Volusia requesting the city look into their policies of smoking in the city parks and to revise to include vaping as part of the restriction. She inquired if the Commission was agreeable to updating the policy.

Commissioner Briley expressed support of the no vaping, noting it could fall under the no smoking areas.

Commissioner Deaton and Mayor Leslie acknowledged support of the request.

Mr. Hayes stated he would bring something back to the Commission.

Item #12 – Adjournment

The meeting was adjourned at 8:46 p.m.

APPROVED: July 22, 2025

BY: _____
Jason Leslie, Mayor

ATTEST:

_____
Susan Carroll Dauderis,
City Clerk

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.A. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Volusia County Schools SRO Agreement | | |
| **Recommended Action** | Staff recommends approval of the contract renewal with VCS for a SRO at OBMS. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Police Department<br>Jesse Godfrey, Police Chief | | |


Summary

On June 3, 2025 the City Commission tabled this item until further financial information could be brought back for their consideration. Additional cost comparisons were gathered from surrounding Volusia County cities and included in the financial impact section below.

This is a request for approval of the first of 4 one-year renewals of the agreement with the Volusia County School Board (VCS) regarding shared funding of the salary and benefits of a School Resource Officer (SRO) position at Ormond Beach Middle School (OBMS).


In 2017, a Memorandum of Understanding (MOU) was established between the City of Ormond Beach and VCS, wherein the City agreed to staff the SRO position at OBMS using a Community Oriented Policing Services (COPS) grant. This grant provided funding for 3 years. As stipulated in the MOU, upon the grant's expiration, the City and VCS negotiated and executed a new agreement on August 20, 2019, Resolution 2019-151, with shared funding between VCS and the City for the SRO position. When the contract expired at the conclusion of the 2023-2024 school year, the current contract between the City and VCS was executed on August 27, 2024, for a period of one year with four one-year renewals.

The SRO plays a crucial role in enhancing the safety and well-being of both OBMS and the broader Ormond Beach community. The services provided by the Ormond Beach Police Department through the SRO ensure continuity and a dedicated presence in the school, facilitating real-time identification and reporting of student issues.

**Benefits for Middle School Students:**

- **Safety & Security:** The SRO ensures a safe learning environment, deterring violence, bullying, and misconduct, allowing students to focus on their education without fear.
- **Positive Role Model:** The SRO serves as a trusted figure, demonstrating positive behavior, ethical decision-making, and respect for the law, thus exemplifying good citizenship.
- **Support & Mentorship:** Beyond their law enforcement duties, SROs act as mentors and counselors, providing advice, guidance, and support to students facing personal or academic challenges.
- **Educational Resource:** SROs participate in classroom activities, helping students understand the consequences of their actions and fostering respect for the legal system.
- **Conflict Resolution:** Trained in conflict resolution, SROs mediate disputes between students, resolving issues peacefully and constructively.

**Benefits for the Police Department:**

- **Efficient Handling of Issues:**With an SRO on-site, many discipline and minor criminal issues can be addressed immediately, reducing the need for external police intervention. This efficiency allows the police department to allocate resources more effectively.
- **Relationship Building:** SROs help build positive relationships between the police department and the community. Students and staff see police officers as approachable and helpful, fostering trust and cooperation.
- **Early Intervention:** SROs can identify and address issues before they escalate into more serious problems, allowing for early intervention strategies that can prevent future criminal behavior.
- **Consistent Presence:** Having a consistent officer in the school creates stability. The SRO becomes familiar with the students, staff, and the specific dynamics of the school, allowing for more personalized and effective policing.

**The Importance of Continuity:**

- **Trust & Familiarity:**When a single SRO serves a school over an extended period, they build strong relationships with the student population. This continuity fosters trust and makes students more likely to seek help and confide in the officer.
- **Understanding Student Needs:** A continuous presence allows the SRO to understand the unique needs and challenges of the student body. This knowledge helps them to provide tailored support and intervention.
- **Role Model & Positive Interaction:** Consistent interaction with a single officer helps students view the police positively. The SRO's regular presence breaks down stereotypes and builds a bridge between young people and law enforcement.
- **Community Cohesion:** A familiar SRO becomes an integral part of the school community, participating in events, activities, and day-to-day school life. This involvement strengthens the bond between the school and the police department.

<u>Financial Impact</u>

The agreement with VCS assists in offsetting the cost of the SRO. The City and VCS have agreed to equally share the cost of the SRO's salary and benefits, which would be adjusted annually to reflect changes in salaries and benefit costs. The current financial details are as follows:

| | |
|---|---|
| Hourly rate, including benefits: | $37.45 per hr |
| Billable Hours (8 hrs per day x 181 days): | 1,448 hrs |
| Total Cost: | $54,227.60 |
| 50% of Cost: | $27,113.80 |

A review of other cities within VCS, where secondary schools are located, was conducted to determine the fees/percentage of their assigned SRO(s) salaries paid by the municipality and VCS.

| City | Paid by Municipality | Paid by School Board |
|---|---|---|
| Ormond Beach | 50% | 50% |
| Daytona Beach | 50% | 50% |
| Deland | 50% | 50% |
| Orange City | 50% | 50% |
| New Smyrna Beach | 50% | 50% |
| South Daytona | 50% | 50% |
| Port Orange | 50%* | 50%* |

*Negotiations are still in progress for the initial contract between Port Orange and VCS.

Citizen Impact

An SRO is a sworn police officer responsible for preventing crime and responding to emergency situations on the school campus. The SRO serves as a community liaison and mentor to the student body. The SRO can provide investigative information to patrol officers and investigators. The SRO builds a rapport with students, allowing them to be more comfortable in a setting with law enforcement in the future.

Attachments

1. 25-98 School Resource Officer w-VCSB Renewal (P25-0062G)
2. City of Ormond Beach - SRO Renewal
3. Res 2024-106 (Res Only)

**RESOLUTION NO. 2025-98**

A RESOLUTION AUTHORIZING THE EXECUTION OF A CONTRACT RENEWAL OF A SCHOOL RESOURCE OFFICER AGREEMENT BETWEEN THE CITY OF ORMOND BEACH AND THE SCHOOL BOARD OF VOLUSIA COUNTY; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, by Resolution 2024-106, the City and the School Board of Volusia County entered into a School Resource Officer Agreement with an effective date of July 1, 2024, and

**WHEREAS,** the initial term of the contract was for five years with the option to renew for four additional one-year periods, and

**WHEREAS**, the City's professional staff recommends that the City exercise the first renewal option for the period July 1, 2025 through June 20, 2026, and

**WHEREAS**, the City Commission concurs with the said recommendation, and finds that renewing the School Resource Officer Agreement with the School Board of Volusia County is in the best interest of the health, welfare and safety of the general public, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The Mayor and City Manager are hereby authorized and directed to execute a Contract Renewal for a one-year renewal of the School Resource Officer Agreement with the School Board of Volusia County. A copy of said Contract Renewal is attached hereto and incorporated herein by reference.

**SECTION TWO.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**CITY OF ORMOND BEACH**
**SRO CONTRACT RENEWAL**

This Agreement is made this _____day of _____2025, between the **CITY OF ORMOND BEACH**, a Florida municipal corporation with a mailing address of 22 S. Beach Street, Ormond Beach, Florida 32174 (hereinafter the "City") and the **SCHOOL BOARD OF VOLUSIA COUNTY, FLORIDA** with a mailing address of Post Office Box 2118, DeLand, Florida 32721- 2118 (hereinafter the "School Board").

**WHEREAS**, the City and the School Board entered into that certain SCHOOL RESOURCE OFFICER AGREEMENT (FY 2024-2029), executed by both parties on August 27, 2024 (hereinafter the "SRO Contract"); and

**WHEREAS**, Section 1 of the SRO Contract stated the term would be one (1) base year with four (4), one (1) year renewal options, upon mutual agreement; and

**WHEREAS**, the City and the School Board desire to renew the SRO Contract for one (1) additional year (FY 2025-2026), with all other provisions of the SRO Agreement remaining unchanged;

**NOW, THEREFORE**, in consideration of the mutual covenants hereinafter contained, the parties agree as follows:

1. **Section 1, Term** of Agreement shall be amended to: The term of this Agreement is five (5) years with one (1) base year and four (4), one (1) year renewal options starting on July 1, 2024, and ending June 30, 2029, for a total of five (5) years. The first year of the five (5) year term has been completed, and the parties have agreed to renew the contract for one (1) year which leaves three (3) additional renewal options remaining. Automatic renewals are not part of this Agreement, and any renewal must be mutually agreed upon by both parties in writing.

2. Except as herein expressly modified, the Agreement for SRO Contract approved on August 27, 2024, shall otherwise remain in full force and effect, subject to all terms and conditions therein.

**SIGNATURES ON NEXT PAGE**

**IN WITNESS WHEREOF**, the parties hereto, by their duly authorized representatives, have made and executed this instrument in three counterparts for the purpose herein expressed on the dates indicated below.

ATTEST:

By:_____
Name: Mr. Jesse Godfrey
Title: Police Chief
Date:_____

**THE CITY OF ORMOND BEACH**

By:_____
Name: Ms. Joyce A. Shanahan
Title: City Manager
Date:_____

By:_____
Name: Mr. Jason Leslie
Title: Mayor
Date:_____

ATTEST:

By: _____
Name: Dr. Carmen Balgobin
Title: Superintendent of Schools
Date: _____

**SCHOOL BOARD OF VOLUSIA COUNTY**

By: _____
Name: Ms. Jamie Haynes
Title: School Board Chair
Date: _____

*Reviewed for legal sufficiency for reliance only by the District*

By: _____
Name: Gilbert Evans, J.D., Ph. D.
Title: General Counsel
Date: _____

**RESOLUTION NO. 2024-106**

A RESOLUTION AUTHORIZING AND DIRECTING THE EXECUTION OF AN INTERLOCAL AGREEMENT BETWEEN THE SCHOOL BOARD OF VOLUSIA COUNTY AND THE CITY OF ORMOND BEACH FOR THE JOINT FUNDING OF A SCHOOL RESOURCE OFFICER POSITION AT THE ORMOND BEACH MIDDLE SCHOOL; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the Florida Interlocal Cooperation Act of 1969, *Section 163.01, Florida Statutes*, authorizes any public agency of the State of Florida to exercise jointly with any other public agency, any power, privilege, or authority which said agencies share in common and which each may exercise separately, and

**WHEREAS,** the provision of such power, privilege, or authority includes the provision of services and the use, operation and maintenance of real and personal property, and

**WHEREAS,** the execution of an Interlocal Agreement with the School Board of Volusia County regarding the joint funding of a school resource officer at the Ormond Beach Middle School will benefit the health, safety, and welfare of the citizens (a copy of said Agreement is attached hereto and incorporated herein by reference), and,

**WHEREAS**, the annual compensation for the school resource officer is $54,227,60, and

**WHEREAS**, the City and the School Board of Volusia County have agreed to equally share the cost of the school resource officer's compensation, and

**WHEREAS,** the City Manager has certified that $27,113.80 to cover the city's portion of the compensation has been appropriated to the General Fund and is not appropriated for any other purpose, now therefore,

**BE IT RESOLVED BY THE PEOPLE OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The City Commission hereby authorizes and directs the Mayor and the City Manager to execute an Interlocal Agreement with the School Board of Volusia County regarding the joint funding of a school resource officer at the Ormond Beach Middle School and to pay the cost therefor from the General Fund.

**SECTION TWO.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 23rd day of July, 2024.**

Bill Partington

**BILL PARTINGTON**
Mayor

**ATTEST:**

**SUSAN CARROLL DAUDERIS**
City Clerk

**VOLUSIA COUNTY SCHOOL BOARD AND THE CITY OF ORMOND BEACH**
**SCHOOL RESOURCE OFFICER AGREEMENT**

**THIS AGREEMENT** is made and entered into between the School Board of Volusia County, hereinafter referred to as **"School Board"** and the City of Ormond Beach, hereinafter referred to as **"City"**.

**RECITALS**

**WHEREAS,** the parties want to enter into an Agreement for the performance of law enforcement functions provided by a School Resource Officer hereinafter described; and

**WHEREAS,** the City agreeable to provide personnel to perform the duties and responsibilities of a School Resource Officer; as described herein; and

**WHEREAS,** the School Board agrees to compensate the City for School Resource Officer (SRO) Program costs; and

**WHEREAS,** the Cityagrees to receive monies from the School Board and to budget such monies to the City Police Department for services rendered to the School Board; and to budget one (1) School Resource Officer to be split funded by the School Board at fifty percent (50%) and the City at fifty percent (50%); and

**WHEREAS,** the parties have approved the School Resource Officer Program as a viable program and their approval is not construed as a permanent obligation;

**WHEREAS,** § 1002.22(2) and § 1002.221, Florida Statutes, provide that education records created, maintained or used by public educational institutions and agencies shall be protected in accordance with the Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. § 1232g, and the implementing regulations issues pursuant thereto; and § 1002.221 permits a public school, center, institution, or other entity that is part of Florida's education system to release a student's education records without written consent of the student or parent to parties to an interagency agreement; and

**WHEREAS,** the Uninterrupted Scholars Act (USA), 20 USC 1221, amending FERPA, permits access to a student's records by an agency caseworker or other representative of a child, who has the right to access a student's case plan, when such agency is legally responsible in accordance with state law for the care and protection of the student, provided that the student records or information will not be disclosed by such agency except to address the student's

education needs in accordance with the law; and

**WHEREAS,** Title 34 CFR §99.31(a)(5)(i)(B) and §99.38(a) and (b) permit an educational agency or institution to disclose personally identifiable information from an education record of a student without written consent of the parent or eligible student if the disclosure is to state and local officials or authorities to whom this information is specifically allowed to be reported or disclosed pursuant to a state statute adopted after November 19, 1974, and concerns the juvenile justice system and the system's ability to effectively serve, prior to adjudication, the student whose records are released; and

**WHEREAS,** §985.04(1), F.S., requires the sheriff, chiefs of police and district school superintendent in each county to enter into an interagency agreement for the purpose of sharing information about juvenile offenders among all parties, to specify the conditions under which summary criminal history information is to be made available to appropriate school personnel, to specify the conditions under which school records are to be made available to appropriate departmental personnel, and to provide for notification to any classroom teacher of assignment to the teacher's classroom of a juvenile who has been placed in a probation or commitment program for a felony offense; and

**WHEREAS,** §1003.53(6), F.S., addresses the exchange of information and/or coordination of services between school districts, and with social service, law enforcement, prosecutorial and juvenile justice agencies and juvenile assessment centers in the school district; and

**WHEREAS,** §1006.13 (4)(a), (b) and (c), F.S., requires each district school board to enter into agreements with the county sheriff's office and local police departments specifying guidelines for ensuring that acts that pose a serious threat to school safety, whether committed by a student or adult, are reported to a law enforcement agency, and addressing the role of school resource officers, if applicable, in handling reported incidents, circumstances in which school officials may handle incidents without filing a report with a law enforcement agency, and a procedure for ensuring that school personnel properly report appropriate delinquent acts and crimes; while creating zero tolerance policies that do not require the reporting of petty acts of misconduct and misdemeanors to law enforcement agencies;

**WHEREAS,** pursuant to §768.28, F.S., neither the School Board or the City waive any defense of sovereign immunity or increase of the limits of its liability upon entering into this Agreement;

**NOW THEREFORE,** in consideration of the foregoing recitals which are incorporated herein by reference, the mutual understandings and covenants set forth herein, and other specific considerations, the parties agree as follows:

1. **Term.** The term of this Agreement is for five (5) years with one base year and four (4) one (1) year renewal options starting from July 1, 2024 through June 30, 2029, for a total of five (5) years. The performance period beginning at the date outlined by the parties, unless earlier terminated as provided herein. The Agreement does not contain provisions for automatic renewal; any renewal option must be mutually agreed upon by both parties and approved in writing.

2. **Purpose.** The purpose of this Agreement is to foster better relations between students and law enforcement personnel; to deter crime on or about school premises by the presence of a law enforcement officer; to enforce local, state and federal laws, and to have a School Resource Officer available for presentations to the students, faculty and parents concerning law enforcement and various subjects related to the law. The School Resource Officer shall maintain a highly visible uniformed presence while on duty at the school sites.

3. **Termination.** This Agreement may be terminated by any party at any time, with or without cause, upon not less than sixty (60) days written notice delivered by Certified Mail, Return Receipt Requested, or in person to the other party; or, otherwise terminated upon any other manner approved in writing by both parties to this Agreement.

4. **Services.**

(a) The City agrees to provide the School Board one (1) full time School Resource Officer, eight (8) hours per day for one hundred eighty-one (181) school contract days, excluding summer school for the compensation described in Paragraph 9 herein. Daily hours for School Resource Officer is primarily 9:00 a.m. to 5:00 p.m. Monday through Friday at the Ormond Beach Middle School. The City will make every effort to have the School Resource Officer position filled at the beginning of the school year and throughout the term of this Agreement, dependent upon staffing availability.

(b) It is agreed that there are occasions when it is not possible to staff a particular school with a School Resource Officer. This may be due to medical reasons, extended training assignments or termination resulting in a position vacancy. It is

also agreed that, whereupon it is determined that filling a temporary School Resource Officer vacancy is critical to maintaining the safe and orderly environment of the school, a School Resource Officer from another location may be reassigned by the City in part or total to fill the vacancy until a replacement can be found.

(c) It is agreed that there are occasions when it is necessary for the School Resource Officer to work in excess of their normal duty assignment, such as providing security details for graduation ceremonies. It is agreed by the City that inclusive of this Agreement there will be a maximum of twenty (20) hours of overtime hours authorized per School Resource Officer during the term of the Agreement. The decision regarding the accumulation of this overtime allocation will be at the discretion of the School Board representative, the principal of the effected school and the City's Police Chief's representative. Advanced approval from the School Board representative will be required for a School Resource Officer to earn overtime. The overtime allocation described herein shall be applicable and consistent with the School Resource Officer's daily responsibilities and/or for after school activities which by mutual agreement may be outside the scope of the School Resource Officer's daily activities performed at his/her assigned school. Such outside detail activities and any hours in excess of the twenty (20) hours prescribed herein will be billed to the School Board at the rate of $45.00 per hour for services provided by the School Resource Officer assigned to Ormond Beach Middle School . All overtime costs shall be funded one hundred (100%) by the school.

(d) The administration of student discipline, including student code of conduct violations and student misbehavior, is the responsibility of the school administrators, unless the violation or misbehavior involves criminal conduct. The School District encourages the use of Civil Citations for eligible students. The school district utilizes the Incident Command structure with established Emergency Operations Plans when responding to an all hazards approach to emergency management.

(e) The City shall develop and expand crime prevention efforts for students and shall serve as a liaison between the school and other first responders, investigative units

and/or juvenile justice authorities when necessary and consistent with applicable civil rights and privacy laws. The School Resource Officer shall be part of the School Multidiscipline School Safety and Security team and shall assist in school responses to emergency issues to include referring students to professional services both within and outside the School Board.

(f) The School Board will share information on an as needed basis to the School Resource Officer to ensure resolution on open investigations being conducted by the Schoo1 Resource Officer. All Federal privacy laws, including Family Educational Rights and Privacy laws, HIPAA and FERPA, will be followed.

(g) The School Resource Officer will follow the City's Police Department's Chain of Command structure or command staff as designated by the City's Chief of Police.

(h) The City agrees to ensure that all School Resource Officer(s) assigned under the terms of this Agreement will be available for, and participate in VCS trainings related to the role of law enforcement on campus and working with students with disabilities. VCS required School Safety Officer trainings applicable to School Resource Officer(s) include: "Understanding Autism: SRO/SRD/Guardians" and "Serving Students with Disabilities: SRO/SRD/Guardians" and "Threat Management Training: SROs/SRDs". VCS shall provide at its expense all school-based trainings for serving students with disabilities. School Resource Officers shall participate in said school-based trainings before interacting with students on campus, or in extreme circumstances within 30-days of appointment."

5. **Other Considerations.** The City Commission, it's Police Chief and the School Board recognize that opportunities may materialize whereby it is in the best interest of City and County taxpayers to modify this Agreement for considerations outside the scope of the School Resource Officer Program.

6. **Cooperation.**

(a) It is agreed that the City shall have all reasonable and necessary cooperation and assistance from the School Board, its officers, agents, and employees so as to facilitate the performance of this Agreement.

(b) It is agreed that the School Board shall have all reasonable and necessary cooperation and assistance from the City, it's officers, agents, and employees so as

to facilitate the performance of this Agreement.

(c) Although School Resource Officers have an assigned school site, they are subject to temporary relocation on an as-needed basis with the concurrence of the District Superintendent or designee, and the Chief of Police or designee.

7. **Personnel/Equipment.** It is understood that any personnel assigned to perform the duties under the terms and conditions of this Agreement are functioning at all times as a member of the City of Ormond Beach Police Department and are subject to City's department supervision and rules and regulation. In addition, all equipment purchased and utilized by the City in performance of this Agreement is and shall remain the property of City of Ormond Beach unless otherwise specified within this Agreement. The School Board shall provide the School Resource Officer with office space to include a desk, phone, computer, and two-way radio utilized by the school site safety and security team members. Access to programs utilized by the school district shall be provided to ensure the sharing of critical information and comply with all laws, rules, and regulations to include HIPAA and FERPA.

8. **Off Campus Activities.** It is recognized that during the course of the school year, the School Resource Officer may be required to attend meetings and training that support their professional certification and/or the School Resource Officer Program. Where possible, training will take place when school is not in session. A School Resource Officer may not elect to participate in additional training activities or other non-mandatory events that take them away from the campus without the approval of the school principal and the Police Chief's representatives. In these cases, the time away from the school will be deducted from the monthly billing.

9. **Compensations and Payment.** The School Board hereby agrees to share to compensate the City at a rate of fifty percent (50%) for all services provided herein at the established rate of $37.45 per billable hour. The total Agreement price for the specified term shall be $27,113.80 numerated as follows:

| | |
|---|---|
| Hourly Rate: | $37.45 |
| Billable Hours: | 1,448 |

| | |
|---|---|
| One (1) SRO at 8 hours, 181 days | $54,227.60 |
| Total Billable | $54,227.60 |
| **Total Agreement Price** | **$27,113.80 (50% of total billable)** |

(a) All payments from the School Board to the City provided herein, for the Base Year, and each renewal option year thereafter shall be subject to adjustment, upon written agreement by the parties, dependent upon changes to City's expenses to provide the services herein.

(b) Payment shall be made in ten (10) monthly payments by the School Board upon receipt of the City Billing invoice.

(c) Upon the completion of the agreement year, the City shall reconcile actual costs and remit to the School Board any monies due (i.e. vacancies,) or request an agreement modification to increase compensation if final costs exceed the amount budgeted. Monthly City employee time records will be submitted to the School Board Representative for payment processing. If the School Resource Officer is absent, the monthly billing will reflect the absence and the monthly billing will reflect a deduction of the hours not worked prior to the billing being sent to the School Board Representative for payment.

10. **Management Reports.** Any reports required under this Agreement shall be discussed and mutually agreed upon by both parties prior to implementation. The City of Ormond Beach shall be responsible for maintaining records related to training in accordance with HB 1473 (2024), Fla. Stat. §30.15 (2024).

11. **Reporting Crimes and Delinquent Acts.** The School Board and the City Police Department shall adhere to F.S. 1006.12 (School Resource Officer and School Safety Officers) and F.S. 1006.13 (Policy of zero tolerance for crime and victimization). Accordingly, it is agreed by the parties that school personnel will report to the School Resource Officer all delinquent acts and crimes occurring whenever students are under the jurisdiction of the school. If a School Resource Officer is not present or available, a report shall be provided to the appropriate law enforcement agency and a copy of such

report shall be provided to the School Resource Officer.

12. **Safeguarding The Confidentiality of Shared Student Records.** The parties acknowledge that Sections 1002.022, 1002.221 and 1002.222, Fla. Stat. and the Family Educational Rights and Privacy Act (FERPA, 20 U.S.C. § 1232g) and its implementing regulations (34 C.F.R. Part 99), protect the privacy rights of students and their parents with respect to information and records created and/or maintained by public schools. The parties further acknowledge that the federal Health Insurance Portability and Accountability Act of 1996 ("HIPAA") and the Health Information Technology for Economic and Clinical Health Act of 2009 ("HITECH Act") (H1PAA and HITECH Act are collectively referred to herein as "HIPAA") protect the privacy of students' individually identifiable health information ("PHI") and may be applicable to student records in certain circumstances. The student personally identifiable information ("PII") may be disclosed only in compliance with FERPA as it applies to the Parties and PHI may be disclosed only in compliance with HIPAA, where required by law. Pursuant to FERPA, the information provided by VCS shall be limited to that which is necessary to effectively serve the student.

Each party participating in this Agreement agrees to:

(a) Hold the student records and information in strict confidence and not use or disclose except as required by this Agreement or required by law and that except when the parent of a student provides prior written consent for its release. All shared student records will be disclosed only to employees of the agency who have a need to access the information in order to perform their official duties as authorized by law. Absent consent from the parent or eligible student, student records and information will not be disclosed except as allowed by the aforementioned laws.

(b) Safeguard the student records through administrative, physical and technological safety standards to ensure adequate controls are in place to protect the student information in accordance with FERPA's privacy requirements and the students' PHI in accordance with HIPAA's privacy requirements.

(c) Continually monitor its operations and take all actions necessary to assure that the student information and records are safeguarded in accordance with the terms of this Interagency Agreement.

(d) To use the shared information to facilitate the collection and analysis of the data in order to track shared clients, better coordinate individual care, and address barriers and needs across systems to better serve the student. Specifically, by sharing

data the parties can identify barriers, leverage existing resources, and coordinate overall care to better serve the student.

(e) Ensure that all employees, appointees or agents of any party who are granted access to shared student records will have successfully completed (1) background screening requirements under Section 435.04, Florida Statutes, under Level 2 screening standards; and (2) A FERPA training webinar, which is available at the U.S. Department of Education, Privacy Technical Assistance Center website: http://www2.ed.gov/policy/gen/guid/ptac/index.html, http://ptac.ed.gov/ including, but not limited to, http://www2.ed.gov/policy/gen/guid/ptac/pdf/slides.pdf

(f) Each party agrees to notify the other party immediately upon discovery of a breach of confidentiality of student information and to take all necessary notification steps as may be required by federal and Florida law. A breach of the confidentiality requirements shall constitute grounds for immediate termination of this Agreement without advance notice.

This section shall survive the termination of all performance or obligations under this Agreement and shall be fully binding until such student records are returned to VCS
or disposed of in compliance with HIPAA and the applicable Florida Statutes.

13. **Indemnification.** Subject to the limitations contained in Fla. Stat. § 768.28, each party agrees to be responsible, to the extent permitted by law, for its acts of negligence, or its agents' acts of negligence when acting within the scope of their employment and agrees to be liable for any damages resulting from said negligence. Nothing contained herein shall be construed to extend liability to the other party for any incidental, consequential, special, exemplary, or punitive damages, however caused under any theory of liability, whether in contract, strict liability, or tort including negligence or otherwise for any matter arising from or relating to the Agreement or the service terms provided herein. This section shall survive the termination of all performance or obligations under this Interagency Agreement and shall be fully binding until such time as any proceeding brought on account of this Interagency Agreement is barred by any applicable statute of limitations.

14. **Notice of Arrests and Citations.**

**A. Arrest and Citation of Students or School Employees on School Grounds During Hours of School Operation**

When a student or school employee is arrested or receive a citation on school

grounds during the time of normal school operation, notification of the arrest or citation will be provided to the building principal or designee on a confidential basis.

**B. Arrest or Citation on Non-Students on School Ground**

When a person other than an enrolled student or school employee is arrested or receives a citation on school property, the building principal or designee will be advised of the circumstances of the offense and the identity of the offender.

**C. Arrests and Citations of Students or School Employee off School Grounds During Operating School Hours**

Where a student or school employee is arrested off of school property during times of normal school operation or under circumstances which would lead the arresting or citing officer to believe that the person arrested is a student or a school employee, and that a school official is responsible for the care or custody of the student at the time of the incident or that the school employee is on duty, the officer shall, as soon as is practicable, provide notification of the incident to the building principal or designee of the school to which the student is enrolled or the school employee is employed.

**D. Confidentiality of Information Provided to Building Principal**

In all instances of building principal notifications described in Sections 4.01, 4.02, and 4.033, above, the principal or designee shall not disseminate the information received from the arresting or citing officer.

15. **General Conditions.**

**A. No Waiver of Sovereign Immunity.** Nothing herein is intended to serve as a waiver of sovereign immunity by any agency or political subdivision to which sovereign immunity may be applicable or of any rights or limits to liability subject to the limited waiver as codified in Section 768.28, Florida Statutes. This section shall survive the termination of all performance or obligations under this Interagency Agreement and shall be fully binding until such time as any proceeding brought on account of this Interagency Agreement is barred by any

applicable statute of limitations.

**B.** **Statement of Non-Discrimination.** The parties agree that no person shall be subjected to discrimination because of age, race, color, disability, gender identity, gender expression marital status, national origin, religion, sex or sexual orientation in the performance of the parties' respective duties, responsibilities and obligations under this Interagency Agreement.

**C.** **Compliance with Laws.** Each party shall comply with all applicable federal and state laws, School Board policies, codes, rules and regulations in performing its duties, responsibilities and obligations pursuant to this Interagency Agreement.

**D.** **Governing Law and Venue.** This Agreement shall be interpreted and construed in accordance with and governed by the laws of the State of Florida. Any controversies or legal matters arising out of this Interagency Agreement and any action involving the enforcement or interpretation of any rights hereunder shall be submitted to the jurisdiction of the State courts of the Seventh Judicial Circuit of Volusia County, Florida.

**E** **Binding Effect.** This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective successors and assigns.

**F.** **Assignment.** Neither this Agreement nor any interest herein may be assigned, transferred, or encumbered by any party without the prior written consent of the other party. There shall be no partial assignments of this Agreement.

**G.** **Captions.** The captions, section designations, section numbers, article numbers, titles and headings appearing in this Agreement are inserted only as a matter of convenience, have no substantive meaning, and in no way, define, limit, construe or describe the scope or intent of such articles or sections of this Agreement, nor in any way effect this Agreement and shall not be construed to create a conflict with the provisions of this Agreement.

**H.** **Severability.** In the event that any one or more of the sections, paragraphs, sentences, clauses or provisions contained in this Agreement is held by a court of competent jurisdiction to be invalid, illegal, unlawful, unenforceable or void in any respect, such shall not affect the remaining portions of this Agreement and the same shall remain in full force and effect as if such invalid, illegal, unlawful, unenforceable or void sections, paragraphs, sentences, clauses or provisions had never been included herein.

**I.** **Preparation of Agreement.** The parties acknowledge that they have sought and obtained whatever competent advice and counsel as was necessary for them to form a full and complete understanding of all rights and obligations herein and that the preparation of this Agreement has been their joint effort. The language agreed to herein expresses their mutual intent and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than the other.

**J.** **Amendments.** No modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document prepared with the same or similar formality as this Agreement and executed by each party hereto.

**K.** **Waiver.** The parties agree that each requirement, duty and obligation set forth herein is substantial and important to the formation of this Agreement and, therefore, is a material term hereof. Any party's failure to enforce any provision of this Agreement shall not be deemed a waiver of such provision or modification of this Agreement unless the waiver is in writing and signed by the party waiving such provision. A written waiver shall only be effective as to the specific instance for which it is obtained and shall not be deemed a continuing or future waiver.

16. **Entire Agreement**.

(a) It is understood and agreed that the entire Agreement of the parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter hereof, as well as any previous agreements presently

in effect between the parties, relating to the subject matter hereof.

(b) Any alterations, amendments, deletions, or waivers of the provision of the Agreement shall be valid only when expressed in writing and duly signed by the parties.

17. **Notices.** Whenever any party desires to give notice unto the other, notice may be sent to:

| **For the School Board** | **With Copy To** |
|---|---|
| School District of Volusia County<br>Office of the Superintendent<br>Post Office Box 2118<br>DeLand, FL 32721-2118 | The General Counsel<br>School District of Volusia County<br>Post Office Box 2118<br>DeLand, FL 32721-2118 |
| **For the City of Ormond Beach** | **With Copy To** |
| The City Manager<br>City of Ormond Beach<br>22 S. Beach Street<br>Ormond Beach, FL 32174 | The Police Chief<br>Ormond Beach Police Department<br>170 West Granada Blvd<br>Ormond Beach, FL 32175 |

Any of the parties may change by written notice the addresses or persons for receipt of notice.

(a) **Appropriation Contingency.** Notwithstanding any other term or provision of this Agreement, the continuation of this Agreement beyond a single fiscal· year is subject to the appropriation and availability of funds in accordance with Chapter 287.0582, Florida Statutes. Anytime funds are not appropriated for the services provided or to be provided under this Agreement, this Agreement shall be caused to automatically terminate as of the first day following the last month so funded.

(b) **Agreements With Other Agencies:** If the School Board executes an Agreement between the School Board and another municipality within the school district for the provision of the same or substantially the same services, terms and conditions provided in this Agreement and that Agreement provides more favorable cost share split than that which is set forth in paragraph 9 (a) above, the School Board shall increase the City's percentage split so as to be equal to that which is provided to the other municipality.

**SIGNATURES ON NEXT PAGE**

**IN WITNESS WHEREOF,** the parties hereto, by their duly authorized representatives, have made and executed this instrument in three (3) counterparts for the purpose herein expressed on the dates indicated below.

ATTEST:

By: _____
Name: Mr. Jesse Godfrey
Title: Police Chief
Date: July 23, 2024

**THE CITY OF ORMOND BEACH**

By: _____
Name: Ms. Joyce A. Shanahan
Title: City Manager
Date: July 23, 2024

By: _____
Name: Mr. Bill Partington
Title: Mayor
Date: July 23, 2024

ATTEST:

By: _____
Name: Dr. Carmen J. Balgobin
Title: Superintendent of Schools
Date: August 27, 2024

**SCHOOL BOARD OF VOLUSIA COUNTY**

By: _____
Name: Ms. Jamie M. Haynes
Title: Chairman
Date: August 27, 2024

*Reviewed for legal sufficiency for reliance only by the District*

By: for _____ Erin Harrigan 050812
Name: ~~Mr. Kevin W. Pendley~~
Title: General Counsel
Date: August 27, 2024

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.B. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Hazard Mitigation Grant Program Submittal - North John Anderson Drive Drainage Improvements | | |
| **Recommended Action** | Staff recommends approval of the submission of the grant application for drainage improvements to North John Anderson Drive to FEMA's HMGP grant program. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Assistant City Manager<br>Shawn Finley, Assistant City Manager | | |


Summary

This is a request to authorize the submittal of an online grant application for drainage improvements to North John Anderson Drive to the Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program (HMGP) under Federal Disaster declaration for Hurricane Milton (FEMA-4834-DR-FL). The HMGP provides grants to local governments to implement long-term hazard mitigation measures after major disaster declarations.

Many of the homes along the east side of John Anderson Drive (803-1015) between Standish Drive and Jill Allison Circle are constructed in, or immediately adjacent to, depressional flood prone areas. This project was identified in the City's previous May 2009 Stormwater Master Plan Update and would provide a drainage outlet to existing stormwater infrastructure.

This project is intended to reduce localized flooding in the drainage basin that is bounded by John Anderson Drive (West), Standish Drive (South), N. Halifax Drive (East), and Dormont Drive (North). Twelve properties have been identified that will positively benefit from these improvements including one repetitive loss property located at 825 John Anderson Drive. Claims have also been filed through the NFIP for 815 John Anderson Drive. This project will furnish and install storm inlets at the bottom of four depressional storage areas and connect to the existing storm system for discharge. The project also includes associated driveway repairs and restoration.

Application criteria require that state/local governments have an approved Local Mitigation Strategy (LMS) to be eligible to apply and require that projects submitted are a part of the LMS. The City participates in the Volusia County LMS and these projects were submitted, approved,

and are included in the LMS project listing attached. Since Volusia County was directly affected by Hurricane Milton, projects within Volusia County are eligible for Tier 1 funding. The deadline for application submittal to the Florida Department of Emergency Management (FDEM) is July 25, 2025.

Financial Impact

If approved, FEMA will pay up to 75% of the cost. Cost is estimated to be $417,884.00 (HMGP share $313,413; City share $104,471). Funding is available from project funding in the Capital Improvement Program budget submitted for Fiscal Year 2025-2026, in the estimated amount.

Citizen Impact

This project would help mitigate potential flooding to approximately 12 homes.

Attachments

1. 25-103 HMGP N JAD Drainage Improvements (P25-0090G)
2. DRAFT JAD Drainage - HMGP Application 2025 (3)
3. Pages from Final Report - March 2010

**RESOLUTION NO. 2025-103**

A RESOLUTION AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THE HAZARD MITIGATION GRANT PROGRAM FOR FUNDING ASSISTANCE TO PROVIDE DRAINAGE IMPROVEMENTS TO NORTH JOHN ANDERSON DRIVE; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** the City Commission desires to provide drainage improvements to North John Anderson Drive at an estimated cost of $417,884.00 ("the Project"), and

**WHEREAS**, the Federal Emergency Management Agency has a current grant cycle open under the Hazard Mitigation Grant Program from which the City can request maximum funding assistance in the amount of $313,413.00 (75% of Project cost), and

**WHEREAS**, the City Commission desires to submit a grant application to the Federal Emergency Management Agency under the Hazard Mitigation Grant Program (a copy of which is attached hereto and incorporated herein by reference) for the purpose of obtaining funding assistance in the amount of $313,413.00 for the Project, and

**WHEREAS**, the City is required to make a matching contribution of at least $104,471.00, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, VOLUSIA COUNTY, FLORIDA, THAT:**

**SECTION ONE.** The City Manager or her designee is hereby authorized and directed to submit a grant application, including any and all documents that are necessary and incidental thereto, to the Federal Emergency Management Agency under the Hazard Mitigation

Grant Program in the amount of $313,413.00 for funding assistance to provide drainage improvements to North John Anderson Drive.

**SECTION TWO.** The Mayor and City Manager are hereby further authorized and directed to execute any contract, including any and all documents that are necessary and incidental thereto, for the City to accept the grant award.

**SECTION THREE.** The City Manager hereby certifies that the City's matching funds in the amount of $104,471.00 will be derived from the Capital Improvement Program Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025**.

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**THIS SECTION FOR STATE USE ONLY**

**FEMA-____-DR-FL** ☐ **Standard HMGP** ☐ **5% Initiative Application** ☐ **Application Complete**
☐ **Initial Submission or** ☐ **Re- Submission**

**Support Documents**
☐ **Conforms w/ State 409 Plan**
☐ **In Declared Area**
☐ **Statewide**

**Eligible Applicant**
☐ **State or Local Government**
☐ **Private Non-Profit (Tax ID Received)**
☐ **Recognized Indian Tribe or Tribal Organization**

**Project Type(s)**
☐ **Wind**
☐ **Flood**
☐ **Other**:

**Community NFIP Status:** (Check all that apply)
☐ **Participating Community ID#:**_____
☐ **In Good Standing** ☐ **Non-Participating** ☐ **CRS**

**LMS Ranking:** _____
**County:** _____

**State Application ID:** _____

(TIME-DATE STAMP HERE)

This application is for all Federal Emergency Management Agency (FEMA Region IV) Hazard Mitigation Grant Program (HMGP) proposals. Complete ALL sections and provide the documents requested. If you require technical assistance, contact the Florida Division of Emergency Management at **DEM_HazardMitigationGrantProgram@em.myflorida.com.**

## Section I – Applicant

**A. Applicant Instruction:** Complete all sections that correspond with the type of proposed project

| | |
|---|---|
| ***Application Sections I-IV*:** | *All* Applicants must complete these sections |
| ***Environmental Review:*** | *All* Applicants must complete these sections |
| ***Maintenance Agreement:*** | *Any* Applications involving public property, public ownership, or management of property |
| ***Flood Control – Drainage Improvement Worksheet:*** | *Acquisition, Elevation, Dry Flood Proofing, Drainage Improvements, Flood Control Measures, Floodplain and Stream Restoration, and Flood Diversion* ***– one worksheet per structure*** |
| ***Generator Worksheet:*** | *Permanent, portable generators, and permanent emergency standby pumps* |
| ***Tornado Safe Room Worksheet:*** | *New Safe Room, Retrofit of existing structure, Community Safe Room, Residential Safe Room* |
| ***Hurricane Safe Room Worksheet:*** | *New Safe Room, Retrofit of existing structure* |
| ***Wind Retrofit Worksheet:*** | *Wind Retrofit projects only – one worksheet per structure* |
| ***Wildfire Worksheet:*** | *Defensible Space, Hazardous Fuels Reduction, Ignition Resistant Construction, other* |
| ***Drought Worksheet:*** | *Aquifers, other* |
| ***Utility Mitigation Worksheet*** | *Upgrades to sewer systems, upgrading electrical components for a utility, undergrounding electrical systems, etc.* |
| ***Request for Public Assistance Form:*** | FEMA Form 90-49 (Request for Public Assistance): *All* applicants must complete, if applicable. |
| ***Acquisition Forms:*** | If project type is Acquisition, these forms must be completed.<br>(Only one of the two *Notice of Voluntary Interest* forms is necessary.)<br>*Model Statement of Assurances for Property Acquisition Projects*<br>*Declaration and Release*<br>*Notice of Voluntary Interest (Town Hall Version)*<br>*Notice of Voluntary Interest (Single Site Version)*<br>*Statement of Voluntary Participation*<br>*FEMA Model Deed Restriction Language* |
| ***Application Completeness Guidance / Checklist :*** | All applicants are recommended to complete this checklist and utilize the guidance for completing the application. |

## B. Applicant Information:

**FEMA-4834-DR-FL** **DISASTER NAME: Hurricane Milton**

**Title of Project: City of Ormond Beach, North John Anderson Drive Drainage Improvements**

1. Applicant (Organization): **City of Ormond Beach**
2. Applicant Type: ☒ State or Local Government ☐ Native American Tribe ☐ Private Non-Profit ☐ Special District
3. County: **Volusia**
4. State Legislative Senate District(s): **7**; State Legislative House District(s): **28** ;
   Congressional House District(s): **6**
5. Federal Tax I.D. Number: **59-6000398**
6. Data Universal Numbering System (DUNS): **087320164**
7. Federal Information Processing Standards (FIPS) Code*: **12127** *(*if your FIPS code is not known, see guidance)*
8. National Flood Insurance Program (NFIP) Community Identification Number: **125136**
   *(this number can be obtained from the FIRM map for your area)*
9. **Point of Contact:** (Applicant staff serving as the coordinator of project)

   ☐Ms. ☒Mr. First Name: **Shawn** Last Name: **Finley**
   Title: **Assistant City Manager**
   Address: **22 South Beach Street**
   City: **Ormond Beach** State: **FL** Zip Code: **32174**
   Telephone: **386-676-3582** Email: Shawn.Finley@ormondbeach.org
10. **Application Prepared by:**

    ☒Ms. ☐Mr. First Name: **Loretta** Last Name: **Moisio**
    Title: **Grants Coordinator**
    Address: **22 South Beach Street**
    City: **Ormond Beach** State: **FL** Zip Code: **32174**
    Telephone: **386-676-3315** Email: Loretta.Moisio@ormondbeach.org
    Organization:
11. **Authorized Applicant Agent** ***(proof of authorization authority required)***

    ☒Ms. ☐Mr. First Name: **Joyce** Last Name: **Shanahan**
    Title: **City Manager**
    Address: **22 South Beach Street**
    City: **Ormond Beach** State: **FL** Zip Code: **32174**
    Telephone: **386-676-3200** Email: **Joyce.Shanahan@ormondbeach.org**

    **Signature**:

    **Date**:
12. Local Mitigation Strategy (LMS) Compliance
    a. All proposed projects must be included in the county's Local Mitigation Strategy (LMS) Project List, and on file with FDEM's Mitigation Bureau Planning Unit. Does your jurisdiction have a current FEMA Approved Mitigation Plan and this project is listed? ☒ Yes ☐ No
    b. Attached is a letter of endorsement for this project from the county's LMS Coordinator. ☒ Yes ☐ No
    Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.
    c. The LMS project list and endorsement letter both have an estimated cost column and Federal Share amount that is within $500.00 between the two. ☒ Yes ☐ No
13. Has this project been submitted under a previous disaster event? ☐ No
    ☒ Yes, provide the disaster number and project number (as applicable): FEMA-4486-DR-FL; PID-141775

## Section II – Project Description

### A. Hazards to be Mitigated / Level of Protection

1. Select the type of hazards the proposed project will mitigate:
   ☒ Flood ☐ Wind ☐ Storm surge ☐ Wildfire ☐ Other *(list):* _____

2. Identify the type of proposed project:
   ☐ Elevation and retrofitting of residential or non-residential structure
   ☐ Acquisition and Relocation ☐ Acquisition and Demolition
   ☐ Wind retrofit ☒ Drainage project that reduces localized flooding
   ☒ Generator ☐ Other (explain) _____

3. List the total number of persons that will be protected by the proposed project (*include immediate population affected by the project only*):

   **29**

4. List how many acres of "Total Impacted Area" is to be protected by the proposed project (*include immediate area affected by the project only*):

   **5.24**

5. Fill in the level of protection and the magnitude of event the proposed project will mitigate. *(e.g. 23 structures protected against the 100-year storm event (1% chance)*

   **12** structure(s) protected against the **100** -year storm event *(10, 25, 50, 100, or 500 year storm event*)

   _____ structure(s) protected against _____ mile per hour (mph) winds

6. Check **all** item(s) the project may impact:
   ☐ Wetlands ☒ Water Quality ☐ Previously Undisturbed Soil
   ☐ Floodplain ☐ Coastal Zone ☐ Toxic or Hazardous Substances
   ☐ Historic Resources ☐ Fisheries ☐ Threatened & Endangered Species
   ☐ Vegetation Removal ☐ Public Controversy ☐ Potential for Cumulative Impacts
   ☐ Health & Safety ☐ Other _____

7. ***Engineered projects:*** *If* your project has been already designed and engineering information is available, attach to your application **ALL** calculations, H&H study and design plans (e.g. Drainage Improvement, Erosion Control, or other special project types). ☐ No ☐ Yes If so, see Attachment #(s) _____.

### B. Project Description, Scope of Work, and Protection Provided (Must be Completed in Detail)

Describe, in detail, the existing problem, the proposed project, and the scope of work. Explain how the proposed project will ***solve*** the problem(s) and provide the level(s) of protection described in Part A. Also, if available, attach a vendor's estimate and/or a contractor's bid for the scope of work. ***Ensure that each proposed project is mitigation and not maintenance***.

1. Describe the existing problems:
   **This project is intended to reduce localized flooding in the drainage basin that is bounded by John Anderson Drive (West), Standish Drive (South), N. Halifax Drive (East), and Dormont Drive (North). This project, identified in the City's previous May 2009 Stormwater Master Plan Update, would provide a drainage outlet to existing stormwater infrastructure. Twelve properties have been identified that will positively benefit from these improvements including one repetitive loss property located at 825 John Anderson Drive. Claims have also been filed through the NFIP for 815 John Anderson Drive.**

2. Describe the type(s) of protection that the proposed project will provide:
   **This project places storm inlets at the bottom of the depressional storage areas; the inlets will discharge to adjacent stormwater pipes.**

3. Scope of Work (describe in detail what you are planning to do):
   **Furnish and install storm inlets at the bottom of four depressional storage areas, connect to existing storm system via 576 LF of 15-inch RCP; project includes associated driveway repairs and restoration.**

4. Describe any other on-going or proposed projects in the area that may impact, positively or negatively, the proposed HMGP Project:

## Section III – Project Location *(Fully describe the location of the proposed project.)*

### A. Site

1. Describe the physical location of this project, including street numbers (or neighborhoods) and project site zip code(s). Provide precise longitude and latitude coordinates for the site utilizing a hand-held global positioning system (GPS) unit or the equivalent:

   Site Location: **North John Anderson Drive**
   Address(es): _____
   GPS coordinates (decimal degree format): _____
   Project Zip Code(s): **32176**

2. Titleholder: _____

3. Is the project site seaward of the Coastal Construction Control Line (CCCL)? ☐ Yes ☒ No

4. Provide the number of each structure type (listed below) in the project area that will be affected by the project. Include ***all*** structures in project area.

   ☐ Residential property: _____ ☐ Public buildings: _____
   ☐ Businesses/commercial property: _____ ☐ Schools/hospitals/houses of worship: _____
   ☐ Other: _____

### B. Flood Insurance Rate Map (FIRM) Showing Project Site

| | | |
|---|---|---|
| 1. ☒ | Attach one (1) copy of the FIRM map, a copy of the panel information from the FIRM, and, if available, the Floodway Map. ***FIRM maps are required for this application (if published for your area). Also, all attached maps must have the project site and structures clearly marked on the map***. FIRMs are typically available from your local floodplain administrator who may be located in a planning, zoning, or engineering office. Maps can also be ordered from the Map Service Center at 1-800-358-9616. For more information about FIRMs, contact your local agencies or visit the FIRM site on the FEMA Web-page at https://msc.fema.gov/portal. | |
| 2. Using the FIRM, determine the flood zone(s) of the project site (Check all zones in the project area) *(See FIRM legend for flood zone explanations) (A Zone must be identified)* | | |
| ☐ | VE or V 1-30 | ☐ AE or A 1-30 |
| ☐ | AO or AH | ☐ A (no base flood elevation given) |
| ☐ | B or X (shaded) | ☒ C or X (unshaded) |
| ☐ | Floodway | ☐ |
| ☐ | Coastal Barrier Resource Act (CBRA) Zone (Federal regulations strictly limit Federal funding for projects in this Zone; coordinate with your state agency before submitting an application for a CBRA Zone project). | |
| 3. ☐ | **If the FIRM Map for your area is not published**, attach a copy of the Flood Hazard Boundary Map (FHBM) for your area, with the project site and structures clearly marked on the map. | |
| 4. ☐ | Attach a copy of a Model Acknowledgement of Conditions for Mitigation in Special Flood Hazard Area | |

### C. Maps with Project Site and Photographs

1. ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the project site and structures marked on the map.
2. ☒ Attach a USGS 1:24,000 TOPO map with project site ***clearly*** marked on the map.
3. ☐ For **acquisition** or **elevation** projects, include copy of Parcel Map (Tax Map, Property Identification Map, etc.) showing each property to be acquired or elevated. Include the Tax ID numbers for each parcel, and Parcel information – including year built and foundation.
4. ☐ Attach photographs (at a minimum 4 photographs) for each project site per application. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, etc. and drainage areas that affect the project site or will be affected by the project, and labeled. For each structure, include the following angles: front, back and both sides.

## Section IV – Budget/Costs

In order to assist applicants with filling out the following Budget section, we have provided the following instructions for your convenience. For this section, we ask that you provide details of all the estimated costs of the project, as it is used for the benefit-costs analysis as well as for the feasibility and effectiveness review.

For the cost sections relating to Materials, Labor, and Fees, it is important to note,

- Lump sums without supporting documentation showing a breakdown of those costs are not acceptable. For those items that will not fit in the spaces provided, attach the appropriate documentation to your application.
- Identify your match sources in sections B and I.
- Sub-Total cells will auto sum the costs in their respective columns.
- Do not factor management costs into parts A-C. If management costs are being requested, see part G.
- Contingency Costs need to be justified and reported as a separate line item in part E of this section. From left to right in that part, enter the desired percentage (maximum 5% of Material/Labor), the amount the percentage is to be applied to, and the resulting amount. **PLEASE NOTE**- These cells will not auto-calculate across the row, but the final cell will be calculated into the Final Project Cost below it. Take care that everything is calculated correctly.
- Pre-Award Costs: costs must be identified as a separate line item, AND a completed HMGP Pre-Award Cost Request Form MUST be submitted with this application, detailing the items/cost and requested start date.
- Mark all In-kind (donated) services with (**); In-house (employee) services with (***), per each line item.
- All funding sources (In-kind, In-house, Global Match, and Other Agencies) must be identified (below) AND identified on the Funding Sources - Section IV I.

For project management costs, in compliance with Disaster Relief and Recovery Act of 2018 (DRRA) and the subsequent FEMA Interim Policy #104-11-1, the Florida Division of Emergency Management has included a section for applicants to request, or refuse, project management funds that are available to them. Under this new policy, HMGP projects awarded under disasters declared on or after August 1, 2017, are eligible for project management costs up to 5 percent of their total project costs.

Applicants choosing to apply for this funding must detail the specific administrative costs in Part G of this section. These costs must be eligible administrative costs, conforming to the requirements set in 2 CFR Part 200 Subpart E. Applicants must ensure that their administrative costs are reasonable, allowable, allocable, and necessary for the performance of the federal award.

The State will allot these management costs on a project-by-project basis per the amount requested by the sub-recipient, up to 5 percent of the total project cost. A sub-recipient may request less than this, but no higher. These management costs will be considered a separate pool of funding, and **WILL NOT** affect a project's benefit-cost analysis.

Management costs will be reimbursed per reimbursement request, and no more than 5 percent of any given reimbursement request amount. All management costs reimbursements will be contingent upon adequate documentation from the sub-recipient.

Management costs will be reimbursed at 100 percent of the amount of management costs requested, so far as they are adequately documented and are no more than 5 percent of the request. Any unused management costs at closeout following the final payment will be de-obligated. If the final total project cost results in an under-run, management costs will be reduced accordingly.

Applicants must make the determination to request or refuse management costs at the time of formal application submittal. The State will accept the initial determination from the applicant. There will be no recourse from the State for applicants wishing to change their initial determination after the application has been formally submitted.

**A. Materials**

| *Item* | *Unit* | *Quantity* | *Cost per Unit* | *Cost* |
|---|---|---|---|---|
| 15-inch RCP | | 210 | $175.00 | $36,750.00 |
| Inlet | | 2 | $10,606.00 | $21,212.00 |
| Connect to Existing | | 1 | $5,000.00 | $5,000.00 |
| Concrete Driveway | | 4 | $1,400.00 | $5,600.00 |
| 15-inch RCP | | 440 | $175.00 | $77,000.00 |
| Inlet | | 2 | $10,606.00 | $21,212.00 |
| Concrete Driveway | | 12 | $1,400.00 | $16,800.00 |
| Asphalt (tons) | | 6 | $120.00 | $720.00 |
| 15-inch RCP | | 340 | $175.00 | $59,500.00 |
| Inlet | | 2 | $10,606.00 | $21,212.00 |
| Manhole | | 3 | 7875 | $23,625.00 |
| 15-inch RCP | | 280 | 175 | $49,000.00 |
| Inlet | | 1 | 10606 | $10,606.00 |
| | | | ***Sub-Total*** | **$348,237.00** |

**B. Labor** Include equipment costs. Indicate all "soft" or in-kind matches (**).

| *Description* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| Labor | | | $69,647.40 |
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| | | ***Sub-Total*** | **$69,647.40** |

**C. Fees Paid** Include any other costs associated with the project.

| *Description of Task* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| **Pre-Award* | | | |
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| | | ***Sub-Total*** | **$0.00** |

**D.** **Total Estimated Project Cost** **$417,884.40**

**E.** Contingency Costs (maximum 5% of Material/Labor) %

**F.** **Final Project Cost** $417,884.40

***Note:*** *To be eligible for HMGP Pre-Award costs – the costs must be identified as a separate line item in the estimate above, AND a completed HMGP Pre-Award Cost Request Form MUST be submitted with this application, detailing the items/cost requesting.*

*Mark all In-kind (donated) services with (**); In-house (employee) services with (***), per each line item.*

*All funding sources (In-kind, In-house, Global Match, and Other Agencies) must be identified (above) AND identified on the Funding Sources - Section IV I.*

## G. Project Management Costs

Based on the amount of total project cost being requested in Part D (above), your project is eligible for up to an additional 5% of that amount for project management costs. Indicate below whether or not you would like to request these funds and follow the directions for your selected choice.

**Total Estimated Management Costs Available** (5% of Total Project Costs) *$20,894.20*
*Note: This number will be generated automatically after Part I is completed*

☒ **YES**, I would like to requests these funds (Fill out the itemized table below, then continue to Part I)*

☐ **NO**, I do not wish to request these funds. (continue to Part I)*

| *Description* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| *City Engineer* | *54* | *$80.00* | *$4,320.00* |
| *Project Manager* | *140* | *$55.00* | *$7,700.00* |
| *Projects Coordinator* | *27* | *$40.00* | *$1,080.00* |
| *Engineering Technician* | *10* | *$45.00* | $450.00 |
| *Engineering Inspector* | *244* | *$30.00* | *$7,320.00* |
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## H. Total Estimated Management Costs Requested *$20,870.00*

***Note:** By selecting either “yes” or “no” the applicant is acknowledging that they understand what is being offered to them as it is described in this application.

## I. Funding Sources (round figures to the nearest dollar)

***The maximum FEMA share for HMGP projects is 75%.*** The other 25% can be made up of State and Local funds as well as in-kind services. HMGP funds may be packaged with other Federal funds, but other Federal funds (except for Federal funds that lose their Federal identity at the State level, such as CDBG, and certain tribal funds) may not be used for the Non-Federal share of the costs.

| | | | | |
|---|---|---|---|---|
| 1. | ***Estimated Federal Share*** | $313,413.00 | 75 % of Total | (Maximum 75%) |
| 2. | ***Non-Federal Shares*** | | | |
| 3. | Estimated Local Shares | $104,471.00 | 25 % of Total | (Cash) |
| 4. | | | % of Total | (In-Kind**) |
| 5. | | | % of Total | (In-House***) |
| 6. | | | % of Total | (Global Match****) |
| 7. | ***Other Agency Share*** *(Identify Non-Federal Agency and availability date)* | | % of Total | |
| 8. | ***Total Funding sources from above*** | **$417,884.00** | **100.00%** ***Total*** | (Equals 100%) |

☐ **Identify proposed eligible activities directly related to project to be considered for In-Kind services in Section IV.C. Fees

☐ ***Identify proposed eligible activities directly related to project to be considered for In-House services in Section IV.C. Fees

☐ ****Separate project applications must be submitted for each Global Match project.

Global Match Project Number and Title: _____

| | | | | | |
|---|---|---|---|---|---|
| 9. | ***Total Estimated Management Costs*** | ***Requested*** | | | |
| | | ***Available*** | $20,894.20 | 5% of Total | (Max Allowed) |

## J. Project Milestones/Schedule of Work

List the major milestones in this project by providing an estimated time-line for the critical activities not to exceed a period of 3 years (36-months) of performance. ***(e.g. Contracting, Designing, Engineering, Permitting, Inspections, closeout, etc.)***

| ***Milestone(s)*** | ***Number of Months to Complete*** |
|---|---|
| Construction Plan/Technical Specifications | 3 |
| Bidding/Local Procurement | 4 |
| Permitting | 2 |
| Construction/Installation | 6 |
| State Final Inspections/Compliance | 1 |
| Closeout Compliance | 2 |
| | |
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| | |
| | |
| **Total** | **Months** |

## Section V. Environmental Review and Historic Preservation Compliance

***(NOTE: This application cannot be processed if this section is not completed.)***

Because the HMGP is a federally funded program, all projects are required to undergo an environmental and historic preservation review as part of the grant application process. Moreover, all projects must comply with the National Environmental Policy Act (NEPA) and associated Federal, State, Tribal, and Local statutes to obtain funding. **NO WORK can be done prior to the NEPA review process. If work is done on your proposed project before the NEPA review is completed, it will NOT be eligible for Federal funding.**

**A. The following information is required for the Environmental and Historic Preservation review:**

*All projects must have adequate documentation to determine if the proposed project complies with NEPA and associated statutes. The State Environmental Staff provide comprehensive NEPA technical assistance for Applicants, with their consent, to complete the NEPA review. The type and quantity of NEPA documents required to make this determination varies depending upon the project's size, location, and complexity. However, at a minimum, provide the applicable documentation from this section to facilitate the NEPA compliance process.*

1. ☐ Detailed project description, scope of work, and budget/costs (Section II and Section IV of this application).
2. ☐ Project area maps (Section III, part B & C of this application).
3. ☐ Project area/structure photographs (Section III, part C of this application).
4. ☐ Preliminary project plans.
5. ☐ Project alternatives description and impacts (Section V of the application).
6. ☐ Complete the applicable project worksheets.
   Documentation showing dates of construction are required for all structures.
7. ☐ Environmental Justice – Provide any applicable information or documentation regarding low income or minority populations in the project area. See Section V.B of this application for details.
8. ☐ Provide any applicable information or documentation referenced on the *Information and Documentation Requirements by Project Type* below.

**B. Executive Order 12898; Environmental Justice for Low Income and Minority Population:**

1. Are there low income or minority populations in the project area or adjacent to the project area?
   ☒ No ☐ Yes; describe any disproportionate and adverse effects to these populations:

   _____

2. ☐ To help evaluate the impact of the project, explain below or attach any other information that describes the population, or portion of the population, that would be either disproportionately or adversely affected. Include specific efforts to address the adverse impacts in your proposal narrative and budget.

   _____

## C. Tribal Consultation *(Information Required)*

*Section 106 of the National Historic Preservation Act (NHPA) requires federal agencies to take into account the effect of their undertakings on historic properties. The NHPA requires that agencies must complete this process prior to the expenditure of any Federal funds on the undertaking. A Tribal Consultation is required for any project disturbing ground or moving soil, including but not limited to: drainage projects; demolition; construction; elevation; communication towers; tree removal; utility improvements.*

1. Describe the current and future use of the project location. A land use map may be provided in lieu of a written description.

   Land Use Map Attached

2. Provide information on any known site work or historic uses for project location.

   None

   ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the horizontal limits (feet) and vertical depths (square feet) of all anticipated ground disturbance of 3 inches or more.

## D. Alternative Actions *(Information Required)*

The NEPA process requires that at least two alternative actions be considered that address the same problem/issue as the proposed project. In this section, list **two feasible** alternative projects to mitigate the hazards faced in the project area. One alternative is the "No Action Alternative".

**1. No Action Alternative**
Discuss the impacts on the project area if no action is taken.

With the no action alternative, the homes such as 825 John Anderson Drive and 815 John Anderson Drive would continue to experience loss events.

**2. Other Feasible Alternative**
Describe a feasible alternative project that would be the next best solution if the primary alternative is not accomplished. This could be an entirely different mitigation method or a significant modification to the design of the current proposed project. Include a Scope of Work, engineering details (if applicable), estimated budget and the impacts of this alternative. Complete *all* of parts **a-e** (below).

**a. Project Description for the Alternative**
Describe, in detail, the alternative project, and explain how the alternative project will solve the problem(s) and/or provide protection from the hazard(s). Also, provide pros and cons for this alternative and a reason for why it was not selected.

The alternative would be to acquire a 20 foot easement across properties along John Anderson Drive and excavate a swale channeling water to the existing stormwater inlets.

**b. Project Location of the Alternative** (*describe briefly, if different from proposed project*)

Same area.

☐ Attach a map or diagram showing the alternative site in relation to the proposed project site (*if different from proposed project*)

**c. Scope of Work for Alternative Project**

Acquire easements from the property owners, excavate and grade a 15 foot wide swale to a depth of 18 inches and channelize the flow to the existing stormwater structures.

**d. Impacts of Alternative Project**
Discuss the impact of this alternative on the project area. Include comments on these issues as appropriate: Environmental Justice, Endangered Species, Wetlands, Hydrology (Upstream and Downstream Surface Water Impacts), Floodplain/Floodway, Historic Preservation and Hazardous Materials.

Detailed H&H studies have not been performed. Excavating a swale may result in exposing the high ground water table. The drainage easements will reduce the use and enjoyment of their property along John Anderson Drive.

**e. Estimated Budget/Costs for Alternative Project**

In this section, provide details of all the estimated costs of the alternative project (round figures to the nearest dollar). A lump sum budget is acceptable.

| | |
|---|---|
| Materials: | |
| Labor: | |
| Fees: | |
| **Total Estimated Project Cost:** | **$ 0.00** |

**HMGP ENVIRONMENTAL REVIEW**

***Information and Documentation Requirements by Project Type***

| ***Retrofits to Existing Facilities/Structures***<br>***Elevations***<br>***Acquisitions with Demolition*** |
|---|
| ✓ Dates of Construction<br>✓ Ground disturbance map for projects with 3 inches or more of ground disturbance<br>✓ Structure photographs |
| ***Drainage Improvements*** |
| ✓ Engineering plans/drawings<br>✓ Permit or Exemption letter to address any modifications to water bodies and wetlands<br>o Department of Environmental Protection<br>o Water Management District<br>o U.S. Army Corps of Engineers<br>✓ Ground disturbance map for projects with 3 inches or more of ground disturbance.<br>✓ Concurrence from U.S. Fish and Wildlife addressing any impacts to wildlife, particularly endangered and threatened species and their habitats.<br>✓ If the project is in a coastal area, attach a letter from the National Marine Fisheries Service addressing impacts to marine resources.<br>✓ Concurrence from Natural Resource Conservation Service if project is located outside city limits and may impact prime or unique farmland.<br>✓ Concurrence from your Local Floodplain Manager – if project is located in a floodplain. |

*Note: This is a general guideline for most projects. However, there will be exceptions. Consult with state environmental staff on project types not listed.*

## Section VI – Maintenance Agreement

***All applicants whose proposed project involves the retrofit or modification of existing public property or whose proposed project would result in the public ownership or management of property, structures, or facilities, must first sign the following agreement prior to submitting the application to FEMA.***

***(NOTE: Not applicable to projects solely related to residential or private property.)***

The City of Ormond Beach, State of Florida, hereby agrees that if it receives any Federal aid as a result of the attached project application, it will accept responsibility, at its own expense if necessary, for the ***routine*** maintenance of any real property, structures, or facilities acquired or constructed as a result of such Federal aid**.** Routine maintenance shall include, but not be limited to, such responsibilities as keeping vacant land clear of debris, garbage, and vermin; keeping stream channels, culverts, and storm drains clear of obstructions and debris; and keeping detention ponds free of debris, trees, and woody growth.

The purpose of this agreement is to make clear the Sub-recipient's maintenance responsibilities following project award and to show the Sub-recipient's acceptance of these responsibilities. It does not replace, supersede, or add to any other maintenance responsibilities imposed by Federal law or regulation and which are in force on the date of project award.

Signed by Joyce Shanahan the duly authorized representative
(*printed or typed name of signing official*)

City Manager,
(*title*)

This _____(*day*) of _____(*month*), _____ *(year).*

**Signature*** _____

****Note: The above signature must be by an individual with legal signing authority for the respective local government or county (e.g., the Chairperson, Board of County Commissioners or the County Manager, etc.)***

# HMGP Application Completeness Guidance/Checklist

This guidance/checklist contains an explanation, example and/or reference for information requested in the application. Use this list to assure your application is complete and includes the required information for HMGP projects. The appropriate documentation must also be attached. It is important to note that this list is similar to the form that will be used during the application sufficiency review by the HMGP staff.

**Project Title: Water Treatment Plant Generator Replacement**

**Applicant: City of Ormond Beach**

| Application Information | Explanation of Information Required | ✓ |
|---|---|---|
| ***Section I*** | | |
| **B. Applicant Information** | | |
| **FEMA___-DR-FL** | Type in the four digit number FEMA assigned to the disaster that this application is being submitted under. (Example: 4337, 4283) | ☒ |
| **DISASTER NAME** | Type in the Disaster name. (Example: Hurricane Irma, Tropical Storm Fay) | ☒ |
| **Title of Project** | The project title should include: 1) Name of Applicant, 2) Name of Project, 3) Type of Project. (Example: City of Tallahassee, City Hall Building, Wind Retrofit) | ☒ |
| **1. Applicant** | Name of organization applying. Must be an eligible applicant. | ☒ |
| **2. Applicant Type** | State or local government, recognized Native American tribe, or private non-profit organization. If private non-profit, attach documentation showing legal status as a 501(C). (Example: IRS letter, Tax Exempt Certificate) | ☒ |
| **3. County** | Indicate county in which the project is located. | ☒ |
| **4. State Legislative and Congressional District(s)** | Specify the appropriate State Senate, House and Congressional District code for the **project site**. For multiple sites, list codes for each site. http://www.myfloridahouse.gov/sections/representatives/myrepresentative.aspx | ☒ |
| **5. Federal Tax I.D. Number** | List the Federal Employer's Identification Number (FEIN), also known as Federal Tax Identification number, 9-digit code. May be obtained from your finance/accounting department. | ☒ |
| **6. DUNS Number** | Include Data Universal Numbering System (DUNS) number in appropriate location on application. Typically, this number can be obtain through your finance department. If not, use the link below to look up your entity. If none, exists you can use the same link to request one. https://www.dnb.com/duns-number.html | ☒ |
| **7. FIPS Code** | List the Federal Information Processing Standards (FIPS) Code. May be obtained from your finance/accounting/grants department. If none, submit FEMA Form 90-49. See state website under the relevant disaster (https://floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/) | ☒ |
| **8. NFIP ID Number** | List the National Flood Insurance Program (NFIP) number. You must be a participating NFIP member to be eligible for HMGP funding. Make sure that the number is the same as the panel number on the FIRM provided with the application. | ☒ |
| **9. Point of Contact** | Provide all pertinent information for the point of contact. This person serves as the coordinator of the project. If this information changes once the application is submitted, please contact the HMGP staff immediately. | ☒ |
| **10. Application Prepared By** | Provide the preparer information. May be different from the point of contact (line 9) and/or the applicant's agent (line 11). | ☒ |
| **11. Authorized Applicant Agent** | An authorized agent must sign the application. *"An authorized agent is the chief elected official of a local government who has signature authority, so for a county it would be the Chairman of the Board of County Commissioners and for a municipality it would be the Mayor (the exact title sometimes varies). Any local government may delegate this authority to a subordinate official (like a City or County Manager) by resolution of the governing body (the Board of County Commissioners or Board of City Commissioners). If a local government delegates signature authority, a copy of the resolution by the governing body authorizing the signature authority for the individual signing must be provided."* | ☒ |

| | | |
|---|---|---|
| | For Private Non-Profit: A member of its Board of Directors or whoever has authority to authorize funding for such a project. If this task is delegated down, a copy of a resolution confirming this must be provided. | |
| **12. LMS Compliance** | a) LMS Project List:<br>All proposed projects must be included in the county's Local Mitigation Strategy (LMS) Project List and must be on file with FDEM's Mitigation Bureau Planning Unit.<br>b) LMS Endorsement Letter:<br>All proposed projects must include an endorsement letter from the county's Local Mitigation Strategy Coordinator. You may use 1 letter as long as it includes every proposed project.<br>c) Estimated Costs & Application Costs:<br>The LMS Project List must include an Estimated Cost column and each HMGP project application must be within $500.00 of that Project List's estimated cost. Also ensure that the Federal Cost Share indicated on the LMS Coordinator's Endorsement Letter exactly matches the Federal Cost Share indicated within the application. Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.<br>A letter of endorsement for the project and its priority number from the Local Mitigation Strategy Project List must be included. Refer to **Sample LMS Letter**. Applications without a letter of endorsement will not be processed. *(44 CFR 201.6 Local Mitigation Plans)* | ☒ |
| **13. Previous Submittal** | If the project has been previously submitted under another disaster, provide the disaster number, the project number, and the title of the project. | ☐ |

## ***Section II - Project Description***

### A. Hazards to be Mitigated/Level of Protection

| | | |
|---|---|---|
| **1. Type of Hazards** | **Type of Hazards the Proposed Project will Mitigate**: Identify the hazard(s) that the proposed project will mitigate. More than one hazard may be selected. | ☒ |
| **2. Identify the Type of Project** | **Identify the Type of Proposed Project**: Describe the mitigation project being proposed. (Example: drainage, wind retrofit, generator etc.) | ☒ |
| **3. Number of Persons Protected** | Explain how many people will be protected by or benefit from the proposed project. (Example: A drainage project improving a residential area of 23 homes, with an average household of 2 people = 46 people) | ☒ |
| **4. Total Impacted Area** | Explain how many acres will be impacted from the proposed project: Drainage/Berm/Pond/Culverts/Flood hazard projects: combination of the area to be protected and ground disturbance must not exceed 25 acres. | |
| **5. Level of Protection** | Specify the level of protection and magnitude of the event the proposed project will mitigate. Attach support documentation that verifies the stated level of protection. (Example: In a wind retrofit project, it will be the design wind speed to comply with the Florida Building Code requirements. In a drainage project, it will be the implemented design level, e.g. a 25-year FDOT design standard for culvert.) | ☐ |
| **6. Project Impact** | Identify **all** the items the project may impact or are within the project area. | ☐ |
| **7. Engineered Projects (e.g. Drainage)** | Include available engineering calculations, studies, and designs for the proposed project showing results from applied Recurrence Interval scenarios before and after mitigation. (Number of structures, building replacement value, depth of the water, structural damages, content damages, displacement, road closures, etc.) | ☐ |

### B. Project Description, Scope of Work, and Protection Provided (Must be Completed in Detail)

| | | |
|---|---|---|
| **1. Existing Problem** | Describe the existing problem, location, source of the hazard, and the history and extent of the damage. Include newspaper articles, insurance documentation, photographs, etc. If this project is eligible for PA (406) mitigation activities, describe the 406 activities. | ☐ |
| **2. Type of Protection** | Determine how the funding will solve the existing problem and provide protection. | ☐ |
| **3. Scope of Work:** | **What the Project Proposes to Do**: Determine the work to be done. The scope of work must meet eligibility based on HMGP regulations and guidance. Explain how the proposed problem will be solved. (NOTE: The proposed project must be a | ☐ |

| | | |
|---|---|---|
| | mitigation action, not maintenance.) *Does the proposed project solve a problem independently or constitute a functional part of a solution where there is assurance that the project as a whole will be completed (44 CFR 206.434[c][4])? Does the proposed project address a problem that has been repetitive or that poses a significant risk to public health and safety if left unresolved (44 CFR 206.434[c][5][i])?* Projects that merely identify or analyze hazards or problems are not eligible. | |
| **4. On-Going or Proposed Projects in the Area** | Determine if other projects, zoning changes, etc. are planned (particularly in the same watershed if flooding is being addressed) that may negatively or positively impact the proposed project. If there is a drainage project or downstream issue elsewhere, it may eliminate the current flooding issue, erasing the need for the proposed project. Response applies to drainage and acquisition projects. N/A is appropriate in wind retrofit shutter projects only. If this project is also being considered under the Public Assistance Program (406), describe in detail the 406 mitigation activities and/or services. Do not include project costs associated with this HMGP application. | ☐ |

## ***Section III - Project Location***

### A. Site

| | | |
|---|---|---|
| **1. Physical Location** | List the physical location of the project site(s) including the street number(s), zip code(s) and GPS coordinates (latitude/longitude, in decimal degrees). The physical address must correspond with the address locations specified on maps submitted with the application. | ☒ |
| **2. Titleholder** | Provide the titleholder's name. | ☒ |
| **3. Project Seaward of the CCCL?** | Determine if the project site is located seaward of the Coastal Construction Control Line. https://floridadep.gov/water/coastal-construction-control-line | ☒ |
| **4. Number and Types of Structures Affected** | Specify the number and type of properties affected by the project. (Example: Drainage project that affects 100 homes, 15 businesses and 2 schools.) What does the project protect? Should have a number next to the box that is checked. (See Section II, Item A.5 – detail of these totals) | ☐ |

### B. Flood Insurance Rate Map (FIRM) Showing Project Site

| | | |
|---|---|---|
| **1. Copies of FIRM** | Attach a copy (or copies) of the FIRM and clearly identify the project site. The FIRM Panel number must be included. To obtain a FIRM map, go to https://msc.fema.gov/portal. **See instructions on How to make a FIRMette.** | ☒ |
| **2. Flood Zone Determination** | Specify the flood zone(s) of the project site(s). **If project is located in a Special Flood Hazard Area. Amount of coverage must be equal to or greater than the amount of Federal mitigation funding obligated to the project.** | ☐ |
| **3. Flood Hazard Boundary Map (FHBM)** | Not required if a copy of the FIRM is attached. | ☐ |
| **4. Model Acknowledgement of Conditions form** | The Model Acknowledgement of Conditions for Mitigation in Special Flood Hazard Area form is required for those structures receiving federal funds that will also remain in the special flood hazard area by the close of the project. This form is required at application. It can be found on FEMA's website at https://www.fema.gov/media-library/assets/documents/15677 | ☐ |

### D. C. Maps with Project Site and Photographs

| | | |
|---|---|---|
| **1. City/County Map with Project Site** | The project site and staging location (if applicable) should be clearly marked on a legible City/County map. The map should be large enough to show the project site. More than one map may be required. | ☒ |
| **2. USGS TOPO with Project Site** | The project site should be clearly marked on a legible USGS 1:24,000 TOPO map. To obtain a TOPO map, go to https://ngmdb.usgs.gov/topoview/ | ☒ |
| **3. Parcel/Tax Map** | A Parcel, Tax or Property Identification map is required <u>only</u> for acquisition and elevation projects. The location of the structure must be clearly identified. | ☐ |
| **4. Site Photographs** | At least four photographs are required that clearly identify the project site. The photos must be representative of the project area, including any relevant streams, creeks, rivers, etc., and drainage areas that affect the project site or will be affected by the project. The front, back and both side angles are required for each structure. For acquisition and elevation projects, a photo taken away from the structure (in front toward the street, and in back toward backyard) to show the area along with | ☐ |

| | | |
|---|---|---|
| | photographs of specific elements of the structure affected by the project (windows for shutters or window replacements) should also be provided. Label photographs appropriately. In addition, CDs may be submitted. | |

## ***Section IV - Budget/Costs***

Make sure all calculations are correct. Provide a breakdown of materials, labor and fees for the proposed project. Support documentation must be attached, i.e. vendor's quote, professional estimate (from engineer, architect, local building official, etc.). The proposed budget line items should represent allowable costs associated with the scope of work. Contingency Cost should be included as a line item in the budget section, and justified – Maximum allowed is 5%, and is required to complete this section; it will be used for the Benefit-Cost Analysis (BCA). Costs should be accurate, complete and reasonable compared to industry standards. Make sure the total cost is correct on the entire application.

| | | |
|---|---|---|
| **A. Materials** | List materials and their associated costs. Provide breakdown. | ☐ |
| **B. Labor** | Provide a breakdown of description, hours, rate, and cost or lump sum labor cost. Can use in-kind contribution as part of the 25% match. (Attach support documentation for in-kind, in-house to detail wages and salaries charged for any contribution. No overtime wages can be used to satisfy match contributions). | ☐ |
| **C. Fees Paid** | Provide a breakdown of associated fees i.e., consultants, studies, engineering, permits, and project management. Maintenance is not an allowable cost under HMGP. *Pre-award costs may be requested* **(See Pre-award Costs guidance).** | ☐ |
| **D. Total Estimated Project Cost** | This number includes all project costs without contingency costs included. Make sure all calculations are correct. | ☐ |
| **E. Contingency Cost** | Per FEMA's HMA Guidance (Section VI Part D.3.4), a contingency cost is, "an allowance in the total cost estimate to cover situations that cannot be fully defined at the time the cost estimate is prepared but that will likely result in additional eligible costs. Allowances for major project scope changes, unforeseen risks, or extraordinary events may not be included as contingency costs."<br>The applicant may request up to 5% of material/labor costs. As with other line items, the applicant must justify these contingency costs based on the nature of the project at application.<br>If an applicant wants to include contingency costs, they will need to enter the percentage that they require as well as what amount they want that percentage to be applied to. Type the resulting calculation in the final cell on the right. These cells will **NOT** auto-calculate. Be sure that they are calculated correctly. | ☐ |
| **F. Final Project Cost** | This number includes any contingency costs that were requested. The final BCA will use this number in its final calculation. | ☐ |
| **G. Project Management Costs** | After reading the guidance provided on pg. 5, select either **YES** or **NO** to indicate your need for management costs for this project.<br>If **YES**, provide a breakdown of description, hours, rate and costs for requested management costs.<br>If **NO**, continue to Part I. | ☐ |
| **H. Total Estimated Management Costs Requested** | This will auto complete based on what is entered into the cost cells above. Your request must not exceed 5 percent of the total project cost available for this project. | ☐ |

### I. Funding Sources (round figures to the nearest dollar)

The proposed sources of non-federal matching funds must meet eligibility requirements. (Except as provided by Federal statute, a cost-sharing or matching requirement may not be met by costs borne by another Federal grant.) 2 CFR Part 200.306.

| | | |
|---|---|---|
| **1. Estimated Federal Share** | The estimated Federal share is generally 75%. If the Federal share is not 75%, assure actual amount is entered. It could be 50.1234% or 35.1234%, etc. of the total dollar amount of project depending on county LMS allocation and priority. This figure cannot exceed 75%. | ☒ |
| **2. Non-Federal Share** | May include all 3 sources, i.e. cash, in-kind and global match, as long as the total is a minimum of 25%. Match cannot be derived from a federal agency except Federal funds that lose their federal identity (e.g., CDBG funding and certain tribal funding). | ☒ |
| **3. Cash** | Cash- Local funding will be utilized for the non-federal share. Enter amount of cash and percentage of total that amount represents. | ☒ |
| **4. Total In-Kind** | May use materials, personnel, equipment, and supplies owned, controlled and operated from within governing jurisdiction as an in-kind match. *Third party in-kind contributions would be volunteer services, employee services from other* | ☐ |

| | | |
|---|---|---|
| | *organizations furnished free of charge, donated supplies, and loaned equipment or space. The value placed on these resources must be at a fair market value and must be documented. If in-kind is claimed from outside the applicant jurisdiction, it must be cash only. ** Identify proposed eligible activities in Section IV B. and C. as a separate line with In-kind written as a part of the description.* | |
| **5. Total In-house** | Sub-Recipient employees, equipment, etc. – internal services (must utilize the Personnel Activity Report or the Equipment Activity Report for the Request for Reimbursement) | ☐ |
| **6. Total Project (Global) Match** | Project (global) match must 1) meet all the eligibility requirements of HMGP; and 2) begin after FEMA's approval of the match project. A separate HMGP application must be submitted for global match projects. Indicate which project(s) will be matched. *The global match is not required to be an identical project. Projects submitted as global match for another project must meet the same period of performance time constraints as the HMGP.* | ☐ |
| **7. Other Agency Share** | Identify Non-Federal Agency and availability date; provide the documentation from the agency. (e.g., CDBG funding, and certain tribal funding) | ☐ |
| **8. Total Funding** | Total must represent (100%) of the total estimated project cost. Ensure that percentages match corresponding cost-shares and the total matches the Budget (in Section IV. F. - Total Estimated Project Cost). | ☒ |
| **9.** | Your requested amount must be equal to or less than 5 percent of the total project cost | ☐ |

### J. Project Milestones/Schedule of Work

| | | |
|---|---|---|
| **1. Milestones (Schedule)** | Identify the major milestones in the proposed project and provide an estimated time-line *(e.g. Designing, Engineering – 3 months, Permitting – 6 months, Procurement – 30 days, Installation – 6 months, Contracting – 1 month, Delays, Project Implementation, Inspections, Closeout, etc.)* for the critical activities not to exceed a period of 3 years (36-months) for performance. Milestones should not be grouped together but listed individually. Allot for the appropriate amount of time for final inspection and closeout (about 3 months). | ☐ |

## ***Section V - Environmental Review & Historic Preservation Compliance***

No work can begin prior to the completion of the environmental (NEPA) review. In order for the Environmental staff to conduct the NEPA review, all sections listed below must be completed.

| | | |
|---|---|---|
| **1. Description, SOW & Budget** | Detailed Project Description, Scope of Work & Budget/Costs. Complete Sections II & IV of the application. | ☐ |
| **2. Area Maps** | Project area Maps - Attach a copy of the maps and clearly mark the project site, and place the specific project structure(s) on map(s). Complete Section III, part B & C of the application. | ☐ |
| **3. Project Area/Structure Photographs** | Complete Section III part C of the application. | ☐ |
| **4. Preliminary Project Plans** | For shutters see the scope of work and for drainage & elevation see engineering drawings. | ☐ |
| **5. Project Alternatives** | Complete Section V part D. of this application. | ☐ |
| **6. Project Worksheets** | Dates of construction are required for all structures. See worksheets. | ☐ |
| **7. Environmental Justice Documentation** | See Section V.B for applicable information. | ☐ |
| **8. Information/ Documentation Requirements by Project Type** | Provide any of the required documentation as listed at the end of Section V in the Information and Documentation Requirements by Project Type that may have already been obtained. | ☐ |

### B. Executive Order 12898, Environmental Justice for Low Income and Minority Population

| | | |
|---|---|---|
| **1. Disproportionate Effects** | Determine if there are populations in either the project zip code or city that are characterized as having a minority background or living below the poverty level. If yes, | ☐ |

| | | |
|---|---|---|
| | complete the rest of Section V, part B. Describe any disproportionate effects that these populations would experience if the project were completed. | |
| **2. Population Affected** | Describe the population affected by this project and the portion of the population adversely impacted. Attach any documentation and list the attachments here. | ☐ |

### C. Information required for Tribal Consultation

| | | |
|---|---|---|
| **Documentation for Tribal Consultation** | For all projects with any ground disturbing activities of 3 inches or more, complete Section V part C. | ☐ |

### D. Alternative Actions

| | | |
|---|---|---|
| **1. No Action Alternative** | Discuss the impacts on the project area if no action is taken. | ☐ |
| **2. Other Feasible Alternative Action** | This is a FEMA and FDEM requirement for any Application Review. A narrative discussion of at least three project alternatives (from No Action to the most effective, practical solution) and their impacts, both beneficial and detrimental is required. It is expected that the jurisdiction has completed sufficient analysis to determine the proposed project can be constructed as submitted and it supports the goals and objectives of the FEMA approved hazard mitigation plan. Has the proposed project been determined to be the most practical, effective and environmentally sound alternative after consideration of a range of options? (44 CFR 206.434[c][5][iii]) | ☐ |
| **a. Project Description** | It is very important and a requirement that an Alternative project is submitted. NEPA requires that at least three alternatives must be presented to mitigate the problem. In addition to the proposed action and no action, one other **feasible** alternative must be provided. | ☐ |
| **b. Project Location of the Alternative** | Describe the surrounding environment. Include information regarding both natural (i.e., fish, wildlife, streams, soils, plant life) and built (i.e., public services, utilities, land/shoreline use, population density) environments. | |
| **c. Scope of Work – Alternative Project** | Describe how the alternative project will solve the problem and provide protection from the hazard. Provide enough detail to describe the project for the evaluation panel to decide the best course of action for the state. Include any appropriate diagrams, sketch maps, amount of materials and equipment, dimensions of project, amount of time required to complete, etc. | |
| **d. Impacts of the Alternative Project** | | |
| **e. Estimated Budget/Costs for the Alternative Project** | Total cost is required. | ☐ |
| **Materials, Labor, and Fees Paid** | Detailed line items are not required. Just enter a total amount. | ☐ |
| **Total Estimated Project Costs** | Total cost is required. Vendor quote is not required. A lump sum budget may be submitted as justification to why this alternative was not chosen. | ☐ |

## Section VI – Maintenance Agreement

| | | |
|---|---|---|
| **Maintenance Agreement** | Complete, sign and date the maintenance agreement. The maintenance agreement must be signed by an individual with signature authority, preferably the authorized agent. | ☐ |

## Other Required Documentation

Go to www.floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/ for additional documents

| | | |
|---|---|---|
| **1. Maps** | All maps must be included with the application. | |
| **2. FFATA Form** | During contracting with the state, complete, sign and date the FFATA Project File Form. Instructions are provided for your convenience in the document provided. **This is not required at the time of application submittal.** | ☐ |
| **3. SFHA Acknowledgement of Conditions** | Required for all projects in the Special Flood Hazard Area. Read and sign the SFHA Acknowledgement of Conditions document. This form must be notarized, signed by the local jurisdiction and the property owner. | ☐ |
| **4. Pre-award Cost Form** | If pre-award costs are being requested with your project, be sure to identify all pre-award costs in the application budget per instructions. The pre-award cost form must be completed and submitted with your application. | ☐ |

| | | |
|---|---|---|
| **5. Request for Public Assistance Form** | Applicable if no FIPS number is assigned to applicant/recipient. | ☐ |
| **6. Model Statement of Assurances for Property Acquisition Projects** | For Acquisition projects only. | ☐ |
| **7. Declaration and Release** | For Acquisition projects only. Must be signed by all persons whose names are on the property deed. | ☐ |
| **8. Notice of Voluntary Interest** | For Acquisition projects only. Two forms are available for your convenience. Use the form that is most appropriate to your situation. Must be signed by all persons whose names are on the property deed. | ☐ |
| **9. Statement of Voluntary Participation for Acquisition of Property for Purpose of Open Space** | For Acquisition projects only. Must be signed by all persons whose names are on the property deed. | ☐ |
| **10. Worksheets** | The appropriate worksheet(s) must be completed and submitted with the application.<br>a. Flood Control – Drainage Improvement<br>b. Generator<br>c. Tornado Safe Room<br>d. Hurricane Safe Room<br>e. Wind Retrofit<br>f. Wildfire<br>g. Drought | ☐ |

*Submit **1 original (signed) and 1 full copy** of the entire application and backup documentation. Include a full copy of the submittal and all documentation on CD or thumb drive.

# Attachment Index

Use the following template to list any supporting documentation that is **included on the CD or flashdrive**. Clearly and concisely label each attachment on this form to correspond with the file name on the CD or flashdrive. In the first column list which section and item (from the HMGP application) the attachment refers to. *Example: Section 2, Item 1.* **If any required documentation is not included on the CD or flashdrive, the application will be considered incomplete and *will not* be considered for possible funding.**

| Section # & Item | | Attached Document Name |
|---|---|---|
| 1 | Sec I-B | LMS Letter of Endorsement and Priority List |
| 2 | Sec III-B | FIRM Map |
| 3 | Sec III-C.1 | City Scale Map |
| 4 | Sec III-C.2 | USGS Topographic Map |
| 5 | Sec III-C.4 | Site Photographs |
| 6 | Sec V-C.1 | Land Use Map |
| 7 | | Project Worksheets - Drainage |
| 8 | | Windspeed Maps |
| 9 | | EHP Worksheet |
| 10 | | CCCL Maps |
| 11 | | SF424 and SF424D |
| 12 | | Budget Workbook |
| 13 | | Authorization Authority |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |

Volusia County
FLORIDA

**Department of Emergency Services**
**Emergency Management Division**

June 20, 2025

Ms. Laura Dhuwe, State Mitigation Officer
Florida Division of Emergency Management
255 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

RE: Hazard Mitigation Grant Program (HMGP) applications for FEMA 4834-DR-FL, Hurricane Milton

Dear Ms. Dhuwe:

The Volusia County Local Mitigation Strategy (LMS) working group has approved by vote and prioritized the following projects for HMGP funding from this disaster. These projects align with our LMS goals and objectives as noted, and with the State's mitigation goals and objectives (in accordance with the Code of Federal Regulations 44 § 201.6)

The Volusia County LMS group therefore presents the projects below (or in an attachment) in the order that they are to be considered for funding.

For further information or inquiry, please contact me at 386-671-8807 or bartonjustin@codb.us.

Sincerely,

Justin Barton Digitally signed by Justin Barton
DN: C=US, E=bartonjustin@daytonabeach.gov, O=City of Daytona Beach, CN=Justin Barton
Date: 2025.06.20 18:00:33-04'00'

_____, LMS Chair Volusia County

cc:

# Priority List for Volusia County FL HMGP Hurricane Milton

| LMS Priority | Jurisdiction | LMS # | Project Description | Total Cost | HMGP (75%) | Match (25%) |
|---|---|---|---|---|---|---|
| 1 | Orange City Public Works | VOL-0736 | Mill Lake and Industrial Park Flood Mitigation Project | $1,200,000 | $900,000 | $300,000 |
| 2 | Ormond Beach Utilities | VOL-0725 | Water Treatment Plant Generator Replacement | $1,610,000 | $1,207,500 | $402,500 |
| 3 | Deland City Manager's Office | VOL-0743 | Earl Brown Park Stormwater Management Area Improvements | $1,500,000 | $1,125,000 | $375,000 |
| 4 | Edgewater Environmental Services | VOL-0710 | Rehabilitation of Lift Stations #5, #10, #17, and #31 with Emergency Bypass Pumps | $850,000 | $637,500 | $212,500 |
| 5 | Daytona Beach | VOL-0726 | Permanent Perimeter Flood Wall – Bethune WRF | $7,200,000 | $5,400,000 | $1,800,000 |
| 6 | Deltona Public Works | VOL-0732 | Installation of Permanent Bypass Pumps to serve nine (9) Stormwater Pump Stations | $2,160,000 | $1,620,000 | $540,000 |
| 7 | South Daytona Public Works | VOL-0708 | South Daytona Oriole Lane/Kenilworth Avenue Pond | $750,000 | $562,500 | $187,500 |
| 8 | South Daytona Public Works | VOL-0709 | South Daytona Green Street/Brian Avenue Pond | $750,000 | $562,500 | $187,500 |
| 9 | Volusia County Fire Rescue | VOL-0742 | Station 23 Wind Retrofit, Saferoom, and Flood Mitigation Project | $10,000,000 | $7,500,000 | $2,500,000 |
| 10 | New Smyrna Beach Engineering Dept. | VOL-0734 | Acquisition and Demolition of three (3) Flood-Prone Homes | $1,375,588 | $1,031,691 | $343,897 |
| 11 | AdventHealth Fish Memorial | VOL-0728 | AdventHealth Fish Memorial - Muscle Wall Flood System | $802,530 | $601,898 | $200,633 |
| 12 | Daytona Beach Shores Public Works | VOL-0695 | Sewer Improvements and Retrofit North of Dunlawton Avenue | $4,628,000 | $3,471,000 | $1,157,000 |
| 13 | Ormond Beach Public Works | VOL-0718 | John Anderson Drainage Improvements | $417,884 | $313,413 | $104,471 |
| 14 | Volusia County Emergency Management | VOL-0737 | Mitigation Reconstruct 136 Temple St. | $321,668 | $220,000 | $101,668 |
| 15 | Edgewater Environmental Services | VOL-0707 | Rehabilitation of Lift Stations #40, #42, and #51 with Emergency Bypass Pumps | $635,000 | $476,250 | $158,750 |
| 16 | Deltona Public Works | VOL-0731 | Installation of Permanent Bypass Pumps to serve five (5) Domestic Wastewater Lift Stations | $1,500,000 | $1,125,000 | $375,000 |
| 17 | Volusia County Emergency Management | VOL-0739 | Acquisition of 246 Cranor Avenue | $732,600 | $549,450 | $183,150 |
| 18 | Volusia County Emergency Management | VOL-0738 | Acquisition of 1839 Old Tomoka Road | $827,600 | $620,700 | $206,900 |
| 19 | Volusia County Emergency Management | VOL-0740 | Acquisition of 1228 Orange Camp Road | $678,500 | $508,875 | $169,625 |

## Priority List for Volusia County FL HMGP Hurricane Milton

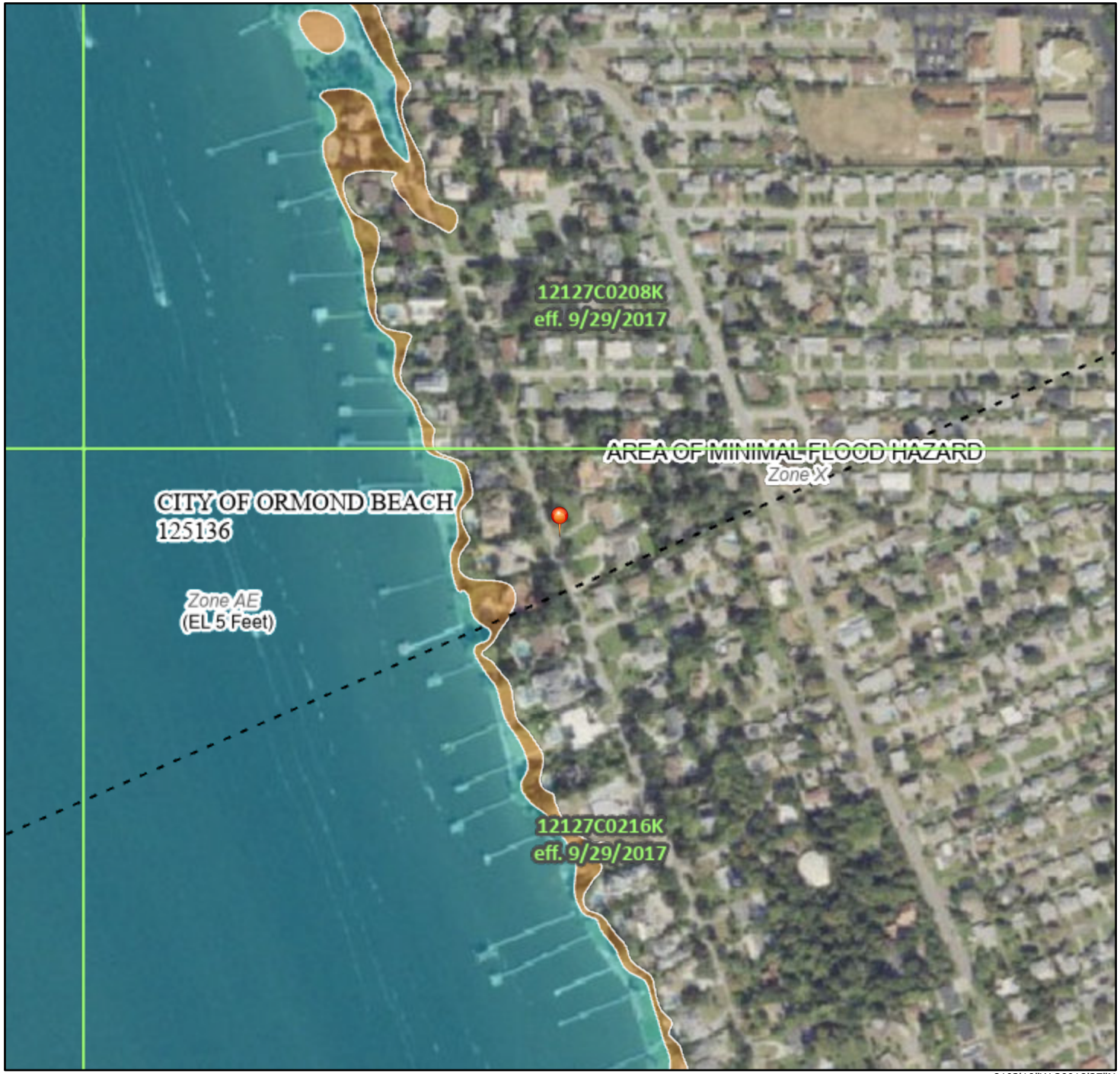
| LMS Priority | Jurisdiction | LMS # | Project Description | Total Cost | HMGP (75%) | Match (25%) |
|---|---|---|---|---|---|---|
| 20 | Volusia County Emergency Management | VOL-0741 | Elevation of 1646 Lake George Road | $252,412 | $189,309 | $63,103 |
| 21 | Deland City Manager's Office | VOL-0744 | Thompson and Winnimessett Stormwater Pond Expansion | $1,000,000 | $750,000 | $250,000 |
| 22 | Deland City Manager's Office | VOL-0745 | Stone and Ambrose Stormwater Pond Expansion | $100,000 | $75,000 | $25,000 |
| 23 | Deland City Manager's Office | VOL-0746 | Painters Pond Stormwater Management Area Improvements | $1,000,000 | $750,000 | $250,000 |
| 24 | AdventHealth Daytona | VOL-0727 | AdventHealth Daytona Beach - one (1) Generator for the Medical Office Building | $2,343,000 | $1,757,250 | $585,750 |
| 25 | AdventHealth Daytona Beach | VOL-0747 | Advent Health Daytona Beach - Generator for the Cancer Institute - Critical Infrastructure Sustainability | $2,393,714 | $1,795,286 | $598,429 |
| 26 | Ormond Beach Utilities | VOL-0724 | Water Reclamation Facility Influent Pump Station Replacement | $8,300,000 | $6,225,000 | $2,075,000 |
| 27 | AdventHealth Daytona Beach | VOL-0748 | Cooling Tower Secondary Water Source Well | $685,046 | $513,785 | $171,262 |
| | | | **TOTALS =>** | **$54,013,541** | **$40,488,905** | **$13,524,636** |
| | | | **FEMA-4834-DR-FL 6-Month Estimate as of 04/03/25 =>** | **$28,446,488.69** | **$21,334,866.52** | **$7,111,622.17** |
| | | | **Less Florida Elevate Allocations =>** | | **($1,105,146.09)** | |
| | | | | **($25,567,052)** | **($20,259,185)** | **($6,413,014)** |

# National Flood Hazard Layer FIRMette

803-1015 John Anderson Drive, Ormond Beach, FL 32176

FEMA

81°3'48"W 29°18'58"N




81°3'10"W 29°18'27"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/14/2025 at 12:05 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

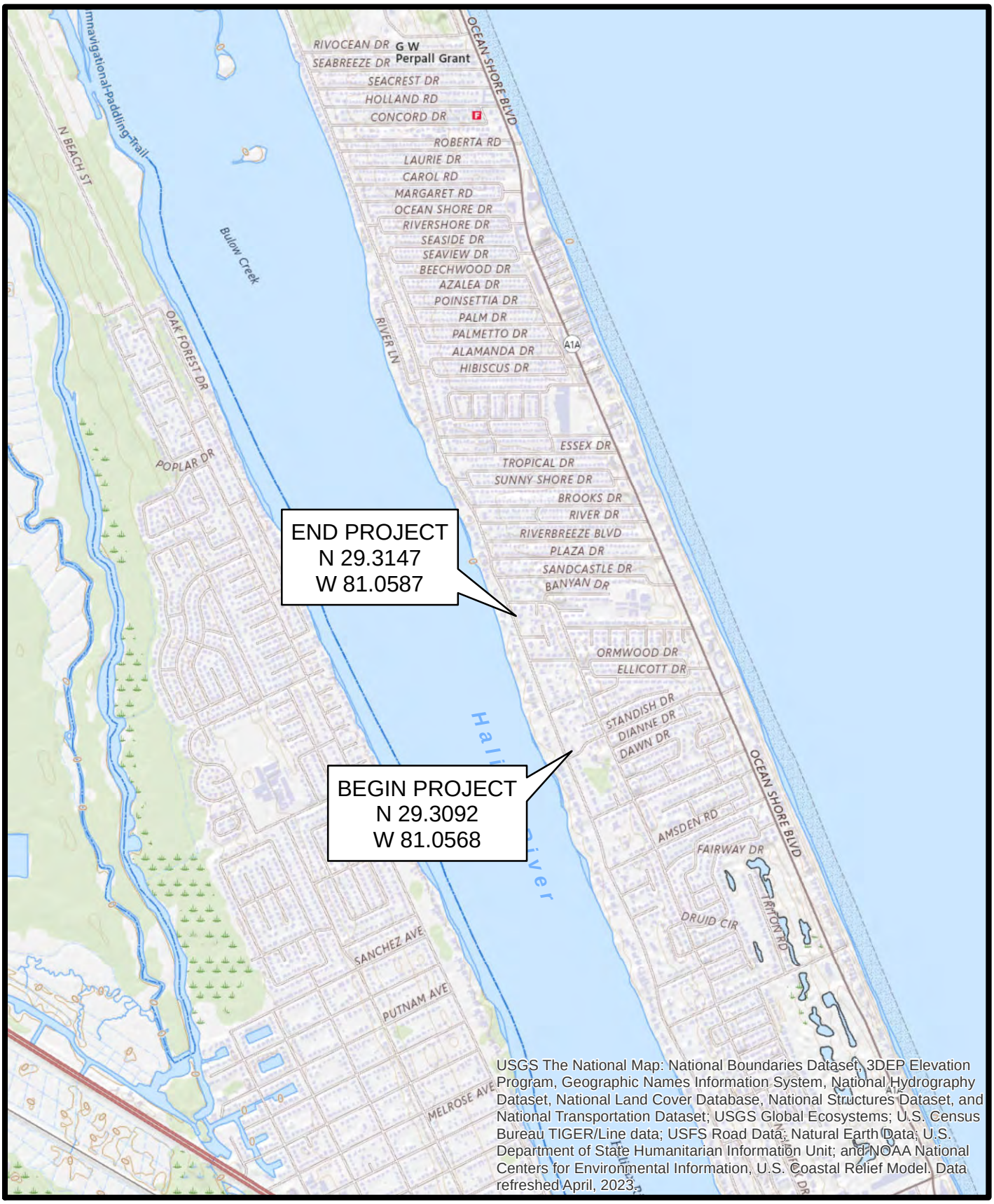
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.




**NORTH JOHN ANDERSON DRAINAGE IMPROVEMENTS - SCALE MAP (803-1015 JOHN ANDERSON DRIVE)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 18, 2025

N
W E
S
1 inch = 300 feet

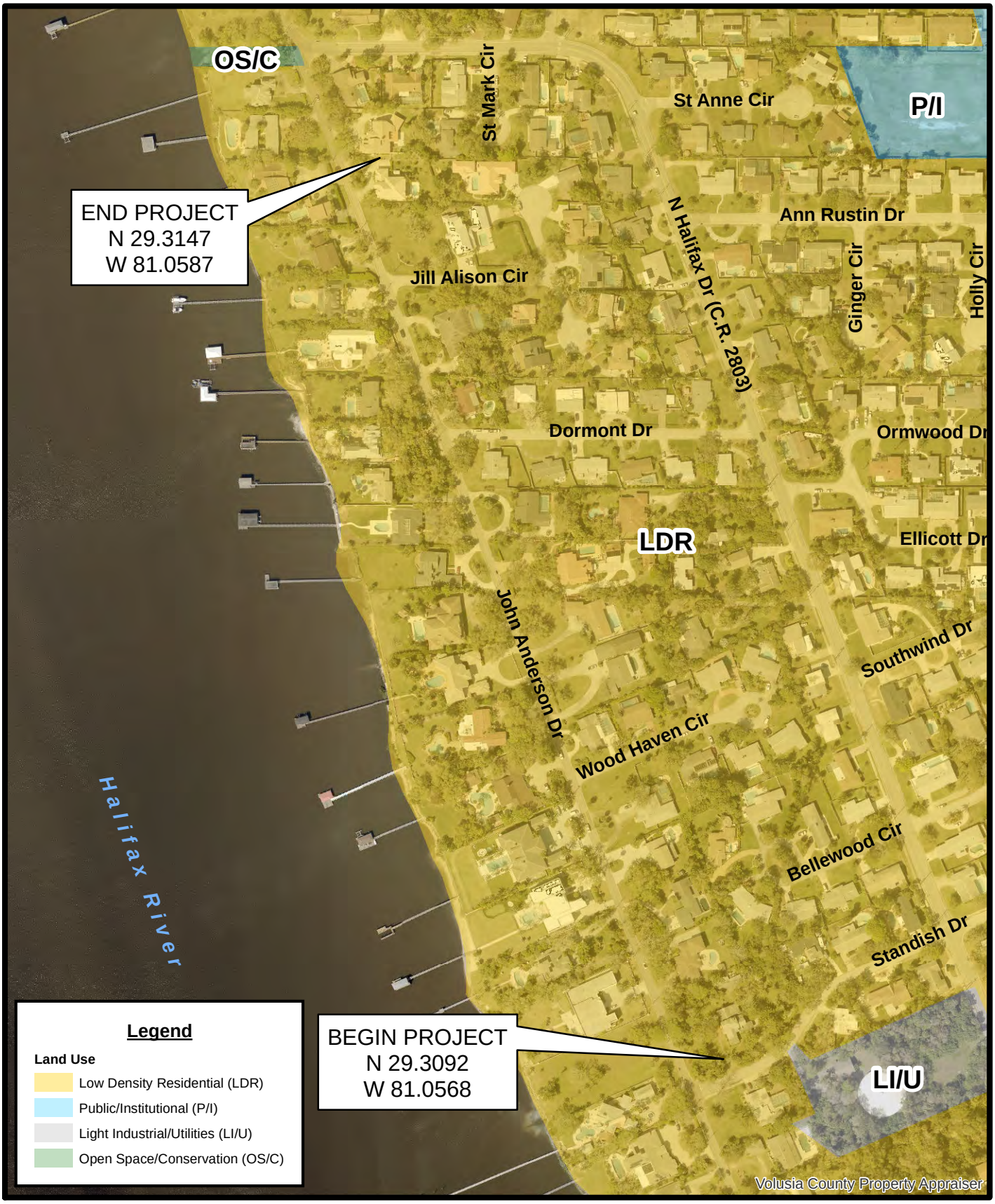



**NORTH JOHN ANDERSON DRAINAGE IMPROVEMENTS - USGS TOPO MAP (803-1015 JOHN ANDERSON DRIVE)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 18, 2025

N
W E
S

1 inch = 2,000 feet




**NORTH JOHN ANDERSON DRAINAGE IMPROVEMENTS - LAND USE MAP (803-1015 JOHN ANDERSON DRIVE)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 18, 2025

N
W E
S
1 inch = 300 feet

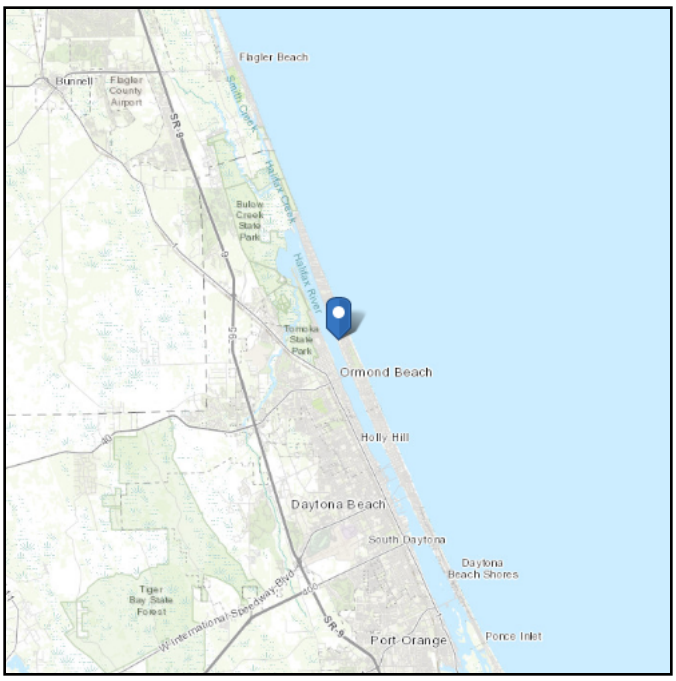
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** I
**Soil Class:** Default

**Latitude:** 29.3092
**Longitude:** -81.0568
**Elevation:** 6.998077533649759 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 126 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 147 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 190 Vmph |
| 1,000,000-year MRI | 212 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1A and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 15% probability of exceedance in 50 years (annual exceedance probability = 0.00333, MRI = 300 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings need not be protected against wind-borne debris.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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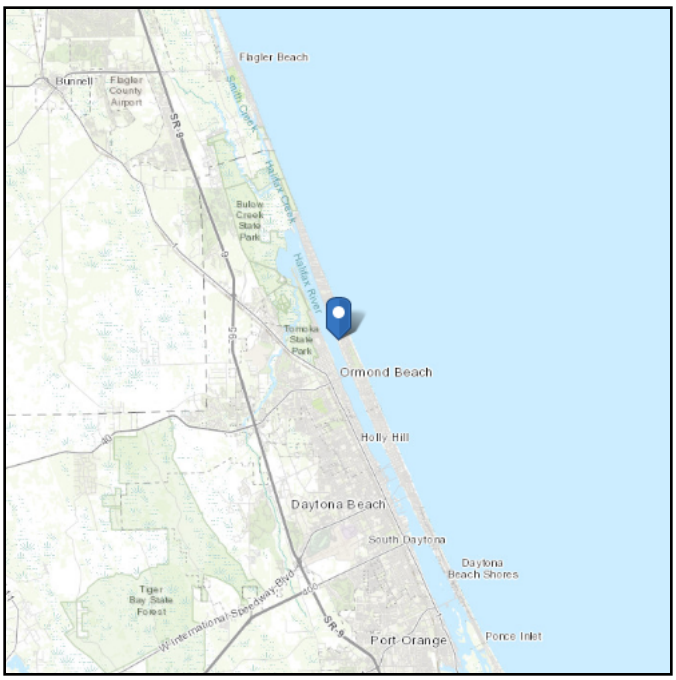
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** II
**Soil Class:** Default

**Latitude:** 29.3092
**Longitude:** -81.0568
**Elevation:** 6.998077533649759 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 136 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 147 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 190 Vmph |
| 1,000,000-year MRI | 212 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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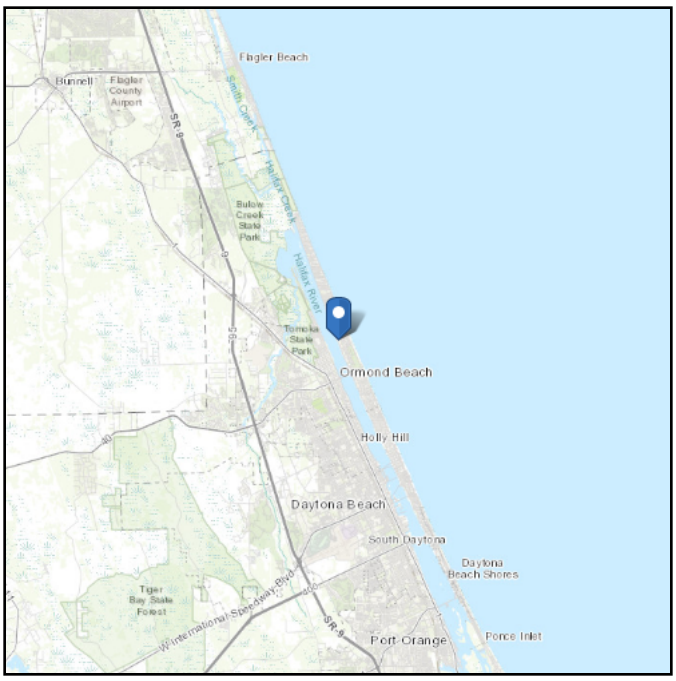
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** III
**Soil Class:** Default

**Latitude:** 29.3092
**Longitude:** -81.0568
**Elevation:** 6.998077533649759 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 147 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 147 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 190 Vmph |
| 1,000,000-year MRI | 212 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1C and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

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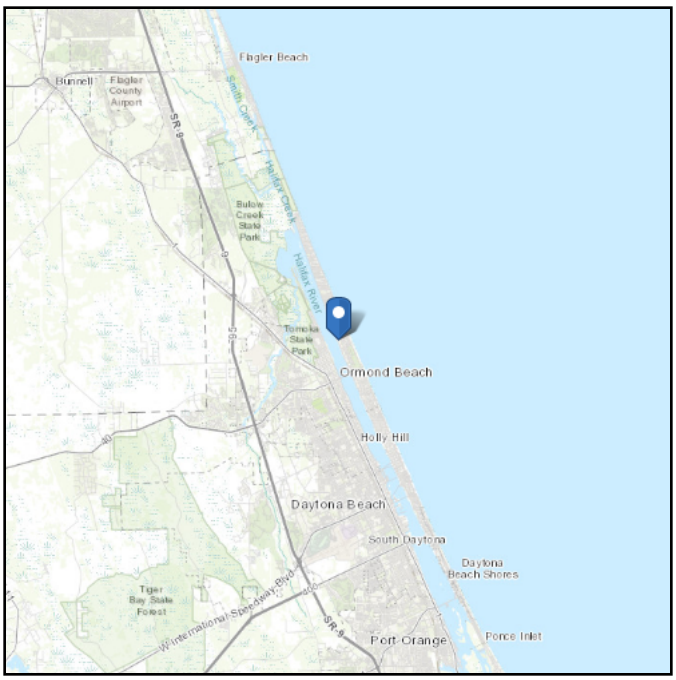
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** IV
**Soil Class:** Default

**Latitude:** 29.3092
**Longitude:** -81.0568
**Elevation:** 6.998077533649759 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 152 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 147 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 190 Vmph |
| 1,000,000-year MRI | 212 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1D and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 1.6% probability of exceedance in 50 years (annual exceedance probability = 0.00033, MRI = 3,000 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

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# Environmental & Historic Preservation Worksheet

For preliminary Environmental and Historic Preservation review conducted by the State Mitigation Technical Team

**Important**: The State of Florida Mitigation Technical Unit will conduct the Environmental and Historic Preservation (EHP) Review for your project and the following information is needed. Once a preliminary review of the application and worksheet is conducted, the assigned Environmental Specialist will reach out with any questions or needs for clarification.

**Note**: A completed EHP Worksheet will expedite the Technical Review. Completion of this worksheet does not guarantee additional information will not be required. If additional information or clarification is needed during application review, the reviewer will contact you.

## Requirements

The following information is the minimum amount of technical information required to complete the EHP review. Data collected in this document will provide reviewers with preliminary information necessary to evaluate potential environmental impacts.

All projects require an EHP review conducted by the technical team in order to achieve funding.

## Section I – Project General Information

| | |
|---|---|
| Project Name: City of Ormond Beach, North John Anderson Drive Drainage Improvements | Worksheet completed by:<br>Name: Shawn Finley<br>Title: Assistant City Manager<br>Phone: 386-676-3582<br>Email: Shawn.Finley@ormondbeach.org |
| Sub-Applicant: | |

**For additional information and resources, please refer to FEMA's Environmental Planning and Historic Preservation checklist for Hazard Mitigation Assistance Application Reviews.**

## Section II – Project Location

*The table below allows data for up to 8 locations. If your project has more than 8 locations, you can either submit a second EHP Worksheet or attach a separate list providing the information requested below and in Section III.*

| ID | Project Location | Coordinates | *Age of Structure | Ground Disturbance? | Critical Action |
|---|---|---|---|---|---|
| 1. | | | | -Select- | -Select- |
| 2. | | | | -Select- | -Select- |
| 3. | | | | -Select- | -Select- |
| 4. | | | | -Select- | -Select- |
| 5. | | | | -Select- | -Select- |
| 6. | | | | -Select- | -Select- |
| 7. | | | | -Select- | -Select- |
| 8. | | | | -Select- | -Select- |

**Applicable only if the proposed project involves a structure.*

## Section III –Environmental Details

| ID | Flood Zone | FIRM Panel # | Panel Date | Preliminary Panel Available? | Preliminary Flood Zone | Preliminary Panel # | In a Wetland or Waterbody? | Seaward of CCCL? |
|---|---|---|---|---|---|---|---|---|
| 1. | X | 12127C0208K | 9/29/2017 | -Select- | | | No | Yes |
| 2. | X | 12127C0216K | 9/29/2017 | -Select- | | | -Select- | -Select- |
| 3. | | | | -Select- | | | -Select- | -Select- |
| 4. | | | | -Select- | | | -Select- | -Select- |
| 5. | | | | -Select- | | | -Select- | -Select- |
| 6. | | | | -Select- | | | -Select- | -Select- |
| 7. | | | | -Select- | | | -Select- | -Select- |
| 8. | | | | -Select- | | | -Select- | -Select- |

## Section IV – Additional Information

Please use this page to expand on the information provided above or to include any additional information relevant to the proposed mitigation project.

## Section V – Minimum Required Supporting Documents Checklist

Below are the minimum supporting documents that each project needs in order to conduct an EHP Review. Please check each item off as they are uploaded into the application.

| | |
|---|---|
| Aerial Map | ✔ |
| Photographs | |
| FIRM/FIRMette | ✔ |
| Age Verification Documentation | |
| 1:24,000 Topographic Map | ✔ |

## Section VI – Additional Supporting Documents Checklist

Below are additional supporting documents that may be required in order to conduct an EHP Review. Please check each item off as they are uploaded into the application as applicable.

| | |
|---|---|
| Ground Disturbance Map | |
| Public Notice Draft | |
| USACE/FDEP Section 404 Permit | |
| Environmental Resource Permit (ERP) | |
| Upstream/Downstream Impact Letter | |

# ENVIRONMENTAL & HISTORIC PRESERVATION WORKSHEET INSTRUCTIONS

Refer to the instructions below to complete the Environmental and Historic Preservation Worksheet using the best available data.

## Section I: Project General Info

**Project Name:** Enter the name of the project title. This title should be the same as described on the application and other attachments.
**Sub-Applicant:** Enter your organization's legal name.
**Worksheet completed by:** Enter name, title, phone number, and email of the person completing this worksheet.

## Section II: Project Location

**Project Location:** Provide a full description of the specific geographical location(s) such as address(es).
**Coordinates:** Provide latitude and longitude coordinates in decimal degree format (Example: 12.345678, -87.654321) for the location of project activities.
**Age of Structure:** The age of the structure where work will be performed. If no structure is involved, put "N/A."
**Ground Disturbance:** Will any groundwork occur to implement the project? Common ground disturbing activities include installation of concrete pads, site preparations, running electrical conduits, trenching, directional boring, and excavation. If ground disturbing activities are occurring, a Ground Disturbance Map is required to be attached to the application. See Section IV instructions for more details.
**Critical Action**: Is the project a critical action. Critical actions are definite as an action for which even a slight change of flooding is too great. Activities related to a critical action must be protected to against a 500-year (0.2% annual chance) flood event. Examples of critical actions would be eligible generator projects or actions related to critical facilities.

## Section III: Environmental Details

**Flood Zone:** List all flood zones that the project activities will be within. Flood mapper: https://msc.fema.gov/portal/home.
**FIRM Panel:** List all FIRM Panel Number(s) that a location will be in.
**Preliminary Panel Available:** Is there a pending Preliminary FIRM Panel for the project area? Yes or No.
**Preliminary Panel #:** List all Preliminary FIRM Panel Number(s) that a location will be in.
**In a Wetland or Waterbody:** Is the project in a wetland or a body of water? Wetland Mapper: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/.
**Seaward of CCCL:** Does the project have activities seaward of the Coastal Construction Control Line (CCCL). CCCL Mapper: https://ca.dep.state.fl.us/mapdirect/?webmap=a8c9e92fbad5446d987a8dd4ee5dc5cc.

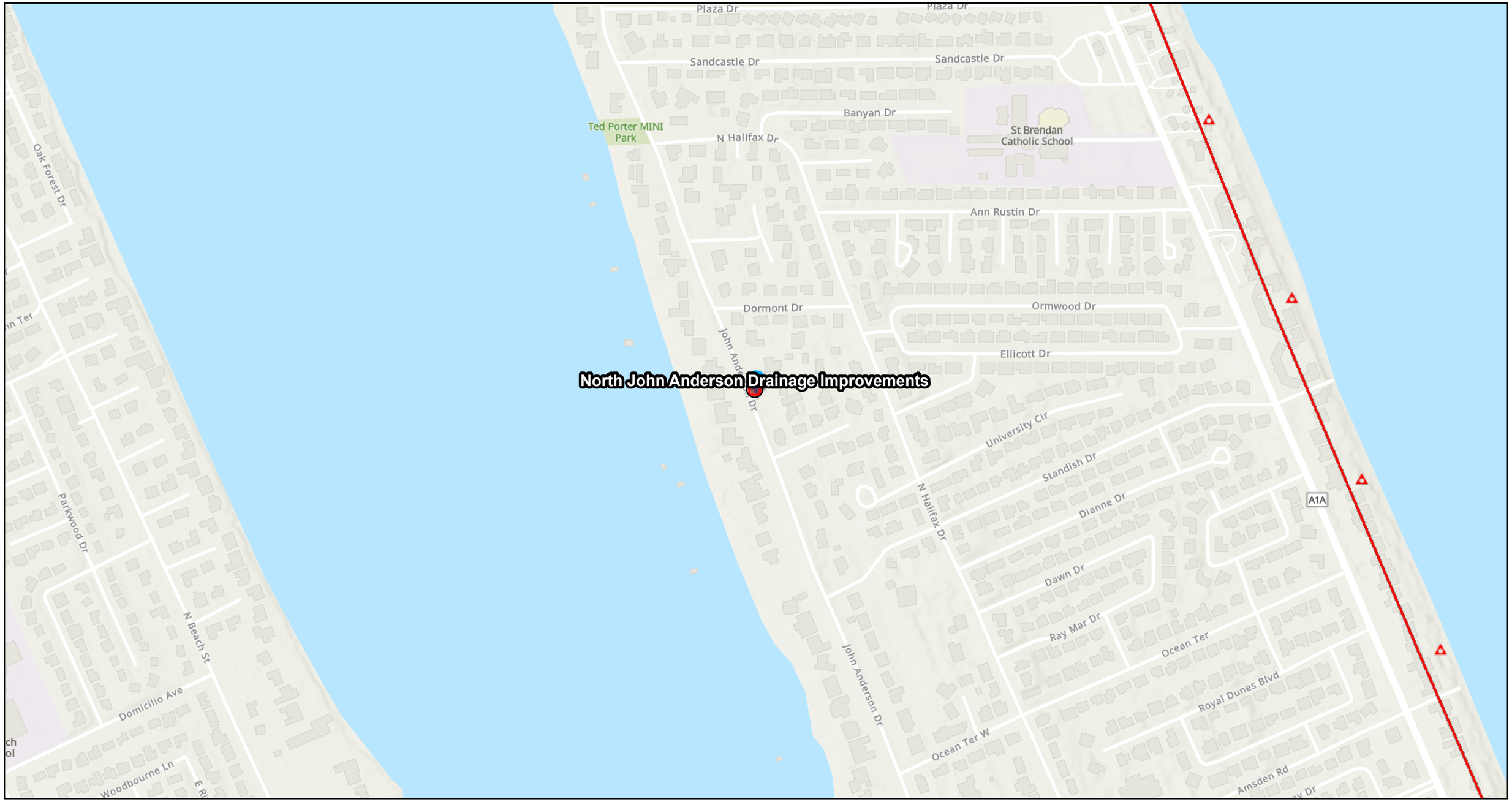
## Section V: Minimum Required Supporting Documents Checklist

**Aerial Map:** A good aerial map will contain a clear indication of where the project will be occurring and will include coordinates to the project area.
**Photographs:** Photos should be clear and represent the project area. Labels should indicate what the photos contain. Photos should show all sides of a structures if included in project activities.
**FIRM/FIRMette:** Project location should be clearly indicated on the map.
**Age Verification Documentation:** Documentation that shows the year the structure was built. As-builts or property appraiser website information are the most common forms of documentation.
**1:24,000 Topographic Map:** A topographic map with a scale of 1:24,000 with the project location outlined/ indicated.

## Section VI: Additional Supporting Documents Checklist

**Ground Disturbance Map:** Required for project that includes any ground disturbance. The map shall include activities clearly outlined, coordinates for ground disturbance, area dimensions, and depth of disturbance.
**Public Notice Draft:** Required for flood mitigation projects, critical actions in a Shaded X flood zone or greater, or any project type in a Special Flood Hazard Area (SFHA). Only a draft should be submitted with the application, the reviewer will reach out when it is the appropriate time to post. The template can be found under the Application Section at https://www.floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/.
**USACE/FDEP Section 404 Permit:** A Section 404 Permit or notice of No Permit Required (NPR) is needed for any project that is in or affects a wetland or body of water. Florida has 2 agencies that provide this permit, US Army Corps of Engineers and Florida Department of Environmental Protection. To determine which jurisdiction your project area falls into, use the following link. Please note that projects falling under multiple jurisdictions will require permits or NPRs from both agencies. https://fdep.maps.arcgis.com/apps/webappviewer/index.html?id=2cb8724cfd18408db80c8f2d7bb68a2e.
**Upstream/Downstream Impact Letter:** Drainage projects ready for construction require a letter from the Professional of Record stating if the project will have any upstream or downstream impacts.

# Coastal Construction Control Line




June 13, 2025

1:6,669

CCCL

Coastal Range Monuments

Range Monuments

803-1015 John Anderson Drive, Ormond Beach, FL 32176

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Sources: Esri, Maxar, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland,

Map created by Map Direct, powered by ESRI.

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OMB Number: 4040-0004
Expiration Date: 12/31/2022

## Application for Federal Assistance SF-424

| * 1. Type of Submission: | * 2. Type of Application: | * If Revision, select appropriate letter(s): |
|---|---|---|
| ☐ Preapplication | ☒ New | |
| ☒ Application | ☐ Continuation | * Other (Specify): |
| ☐ Changed/Corrected Application | ☐ Revision | |

| * 3. Date Received: | 4. Applicant Identifier: |
|---|---|
| | HMGP MILTON JAD Drainage Impvt |

| 5a. Federal Entity Identifier: | 5b. Federal Award Identifier: |
|---|---|
| | |

**State Use Only:**

| 6. Date Received by State: | 7. State Application Identifier: |
|---|---|
| | Florida |

**8. APPLICANT INFORMATION:**

| | |
|---|---|
| * a. Legal Name: | City of Ormond Beach |

| * b. Employer/Taxpayer Identification Number (EIN/TIN): | * c. UEI: |
|---|---|
| 59-6000398 | P7N5EWNDK217 |

**d. Address:**

| | |
|---|---|
| * Street1: | 22 South Beach Street |
| Street2: | |
| * City: | Ormond Beach |
| County/Parish: | Volusia |
| * State: | FL: Florida |
| Province: | |
| * Country: | USA: UNITED STATES |
| * Zip / Postal Code: | 32174-6836 |

**e. Organizational Unit:**

| Department Name: | Division Name: |
|---|---|
| Public Works | Utilities |

**f. Name and contact information of person to be contacted on matters involving this application:**

| | | | |
|---|---|---|---|
| Prefix: | | * First Name: | Loretta |
| Middle Name: | | | |
| * Last Name: | Moisio | | |
| Suffix: | | | |

| | |
|---|---|
| Title: | Grants Coordinator |
| Organizational Affiliation: | City of Ormond Beach |

| | | | |
|---|---|---|---|
| * Telephone Number: | 3866763315 | Fax Number: | |
| * Email: | Loretta.Moisio@ormondbeach.org | | |

## Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

FEMA

**11. Catalog of Federal Domestic Assistance Number:**

97-039

CFDA Title:

Hazard Mitigation Grant Program

*** 12. Funding Opportunity Number:**

DR-4834-FL

* Title:

Hurricane Milton

**13. Competition Identification Number:**

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

North John Anderson Drive Drainage Improvements

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

## Application for Federal Assistance SF-424

**16. Congressional Districts Of:**

* a. Applicant: 6 * b. Program/Project: 6

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment | Delete Attachment | View Attachment

**17. Proposed Project:**

* a. Start Date: 01/01/2026 * b. End Date: 12/31/2029

**18. Estimated Funding ($):**

| | |
|---|---|
| * a. Federal | 313,413.00 |
| * b. Applicant | 104,471.00 |
| * c. State | |
| * d. Local | |
| * e. Other | |
| * f. Program Income | |
| * g. TOTAL | 417,884.00 |

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on

☒ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☐ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

**21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

| | |
|---|---|
| Prefix: | |
| * First Name: | Joyce |
| Middle Name: | |
| * Last Name: | Shanahan |
| Suffix: | |
| * Title: | City Manager |
| * Telephone Number: | 3866763200 |
| Fax Number: | |
| * Email: | Joyce.Shanahan@ormondbeach.org |
| * Signature of Authorized Representative: | |
| * Date Signed: | |

# ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property aquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.

4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.

5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.

6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.

14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

| SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL | TITLE<br>City Manager |
|---|---|
| APPLICANT ORGANIZATION<br>City of Ormond Beach | DATE SUBMITTED |

**SF-424D (Rev. 7-97) Back**

Print Form

# AUTHORIZING AGENT APPROVAL

For those entities applying for the Hazard Mitigation Grant Program (HMGP), assurance is needed to ensure that non-federal funds are, or will be, secured for the proposed action by the project start date. An Authorizing Agent's signature is needed to provide this. An Authorizing Agent is the chief elected official of a local government who has signature authority, such as a Chairperson of the Board of County Commissioners for a County, the Mayor of a municipality, or an elected Board Member for a private non-profit. Any entity may delegate this authority to a subordinate official by resolution of the governing body. If this is the case, Proof of Authorization must be provided as a separate attachment in Section VI of the relevant HMGP application in DEMES. This form must be fully completed, signed, and submitted into DEMES for an application to be received by FDEM. Applicants will be prompted for this form in the final step of the DEMES HMGP application. Ensure that the information provided here matches the relevant DEMES application. For questions, please email DEM_HazardMitigationGrantProgram@em.myflorida.com.

## PROJECT INFORMATION

| | |
|---|---|
| APPLICANT (ENTITY): | City of Ormond Beach |
| COUNTY: | Volusia |
| FEMA DISASTER: | FEMA-4834-DR-FL |
| PROJECT TITLE: | John Anderson Drive Drainage Improvements |
| TOTAL PROJECT COST: | $417,884.00 |
| FEDERAL SHARE: | $313,413.00 |
| NON-FEDERAL SHARE: | $104,471.00 |

## AUTHORIZING AGENT

| | |
|---|---|
| FIRSTNAME: | Joyce |
| LAST NAME: | Shanahan |
| TITLE: | City Manager |
| ADDRESS: | 22 South Beach Street |
| CITY: | Ormond Beach |
| STATE: | Florida |
| ZIP CODE: | 32174 |
| PHONE: | 386-676-3200 |
| EMAIL: | Joyce.Shanahan@ormondbeach.org |

The undersigned assures fulfillment of all requirements of the Hazard Mitigation Grant Program, as contained in the program guidelines, and affirms that all information contained in this application is true and correct to the best of my knowledge. The governing body of the applicant duly authorized the document, and hereby applies for the assistance documented in this application.

AUTHORIZING AGENT SIGNATURE

July 22, 2025
DATE

☒ Proof of Authorization – Delegation of Authority attached in Section VI

CDM

# City of Ormond Beach

## Stormwater Flooding Investigation Study
## May 2009 Storm



March 2010

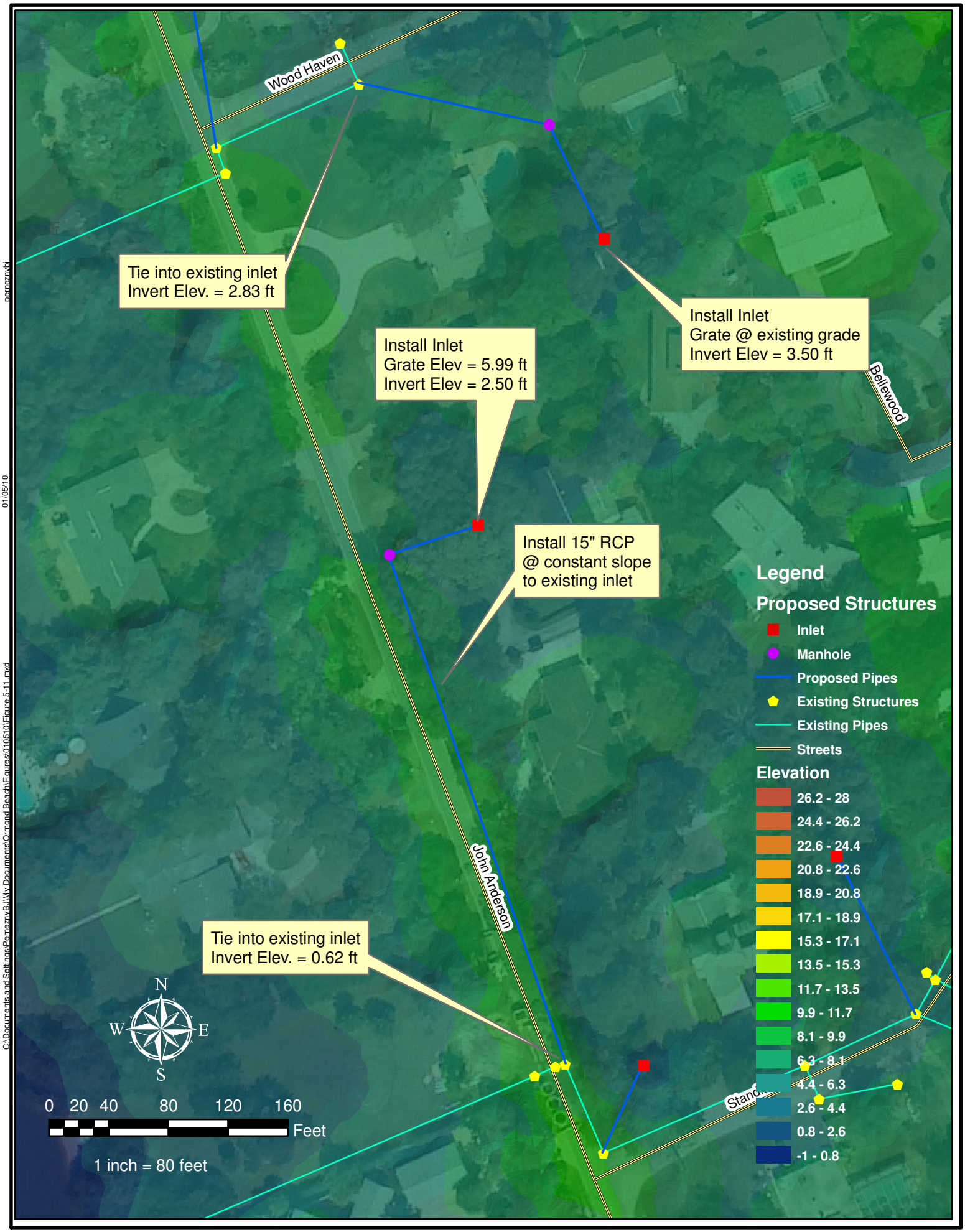
- Boundary condition of full 48 inch RCP under Standish is 4.88 feet-NAVD D/S of 5.00 feet-NAVD depression, 4.72 feet-NAVD D/S of 4.00 feet-NAVD depression. Gravity overflow appears if storage allowed in 4.00 feet-NAVD depression.
- Design alternative: Place inlets at bottom of each depression. Set grate elevation to 5.16 feet-NAVD to allow for storage of 0.5-in of runoff over tributary area. Connect with 15 inch RCPs to 48 inch RCP culvert under Standish Dr as shown in **Figure 5.10**.
- Total quantities:
  - 185 feet of 15 inch RCP
  - 2 Inlets
- Cost estimate: $24,600

- Problem Area 6 South – Between Standish Dr and Wood Haven Cir
  - Two depressions identified; one at bottom elevation 5.00 feet-NAVD, one at bottom elevation 6.00 feet-NAVD.
  - Boundary conditions:
    - Full 38 inch x 60 inch ERCP at Standish and John Anderson to the south = 3.79 feet-NAVD.
    - Full 18 inch RCP along Wood Haven Circle to the north = 4.33 feet-NAVD.
    - Gravity overflow appears for both depressions.
  - Design alternative:
    - Place inlets at bottom of both depressions. Set grate elevation of inlet in southern depression at 5.99 feet-NAVD to allow for storage of 0.5-in of runoff over tributary area. Set grate elevation in northern depression at existing grade.
    - Connect southern depression with 15 inch RCP to existing 38 inch x 60 inch ERCP culvert near Standish/John Anderson intersection. Connect northern depression to existing 18 inch RCP culvert along Wood Haven Circle. See **Figure 5.11**.




CDM

Figure 5.10
Proposed Improvments - John Anderson Drive - Problem Area 5




CDM

Figure 5.11
Proposed Improvements - John Anderson Drive - Problem Area 6 South

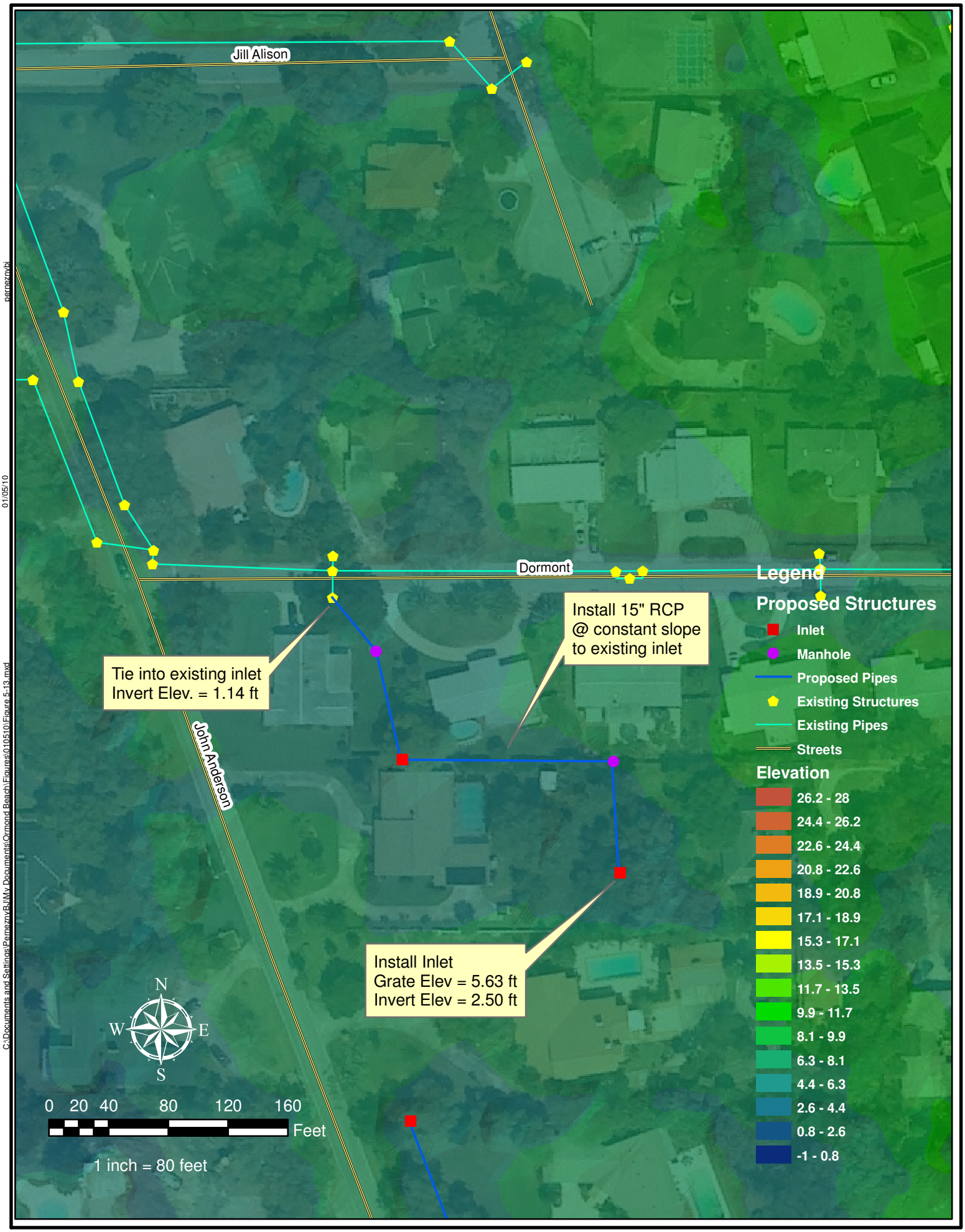
- Total quantities:
  - 630 feet of 15 inch RCP
  - 2 Inlets
  - 2 Manholes
  - Approximately 4 cy concrete to replace driveways after installation.
- Cost estimate: $66,100

- Problem Area 6 North – North of Wood Haven Circle
  - Two depressions identified at bottom elevation 5.00 feet-NAVD.
  - The boundary condition hydraulic grade of a full 18 inch RCP culvert along John Anderson is 2.76 feet-NAVD. Gravity overflow appears feasible.
  - Design alternative: Place inlets at the bottom of each depression. Set grate elevation at 5.66 feet-NAVD to allow for storage of 0.5-in of runoff over tributary area. Connect with 15 inch RCP to existing 18 inch culvert as shown in **Figure 5.12**.
  - Total quantities:
    - 440 feet of 15 inch RCP
    - 2 Inlets
    - Approximately 12 cy of concrete to replace driveways after installation.
    - Approximately 6 tons of asphalt concrete to replace pavement on Wood Haven Circle after installation.
  - Cost estimate: $48,100
- Problem Area 7 – Dormont Drive
  - Two depressions identified at bottom elevation 5.00 feet-NAVD.
  - The boundary condition hydraulic grade of a full 18 inch RCP culvert along Dormont is 2.64 feet-NAVD. Gravity overflow appears feasible.
  - Design alternative: Place inlets at bottom of each depression. Set grate elevation at 5.63 feet-NAVD to allow for storage of 0.5 in of runoff over tributary area. Connect with 15 inch RCP to existing 18 inch RCP culvert as shown in **Figure 5.13**.




CDM

Figure 5.12
Proposed Improvements - John Anderson Drive - Problem Area 6 North




CDM

Figure 5.13
Proposed Improvements - John Anderson Drive - Problem Area 7

- Total quantities:
  - 340 feet of 15 inch RCP.
  - 2 Inlets
  - 2 Manholes
- Cost estimate: $42,600

- Problem Area 8 – Jill Allison Circle
  - Depression identified north of Jill Allison Circle at bottom elevation 5.00 feet-NAVD.
  - The boundary condition hydraulic grade of a full 15 inch RCP culvert under Jill Allison is 3.37 feet-NAVD. Gravity overflow appears feasible.
  - Design alternative: Place inlet at bottom of depression. Set grate elevation at 5.95 feet-NAVD to allow for storage of 0.5-in of runoff over tributary area. Connect with 15 inch RCP to existing 15 inch culvert as shown in **Figure 5.14**.
  - Total quantities:
    - 280 feet of 15 inch RCP
    - 1 Inlet
    - 1 Manhole
  - Cost estimate: $30,400

## 5.4 Hernandez and Dix

There is an existing drain at this location; however, during the May 2009 storm this adjacent house was impacted. City staff requested that CDM review the configuration of this drain volumetrically, to make an estimate of its capacity. Reviewing available data resulted in the following observations:

- Negative slope; invert of drain = 3.00 feet-NGVD, D/S invert of 15 inch culvert under = 3.15 feet-NGVD. Likely getting backflow from street system.
- Hydraulic grade of full flowing 15 inch RCP = 4.40 feet-NGVD.
- Slab elevation of affected house = 7.35 feet-NGVD. Therefore, more than 3 feet of storage is available before flooding occurs. Positive head should be available at this point unless street system is considerably supercharged. City staff indicated that during their investigations during the storm, there was some significant blockage of the drain inlet.

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.C. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Hazard Mitigation Grant Program Submittal - Water Reclamation Facility Influent Pump Station Replacement | | |
| **Recommended Action** | Staff recommends approval of the submission of the grant application for the Water Reclamation Facility Influent Pump Station Replacement to FEMA's HMGP grant program. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Assistant City Manager<br>Shawn Finley, Assistant City Manager | | |


Summary

This is a request to authorize the submittal of an online grant application for the Water Reclamation Facility Influent Pump Station Replacement to the Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program (HMGP) under Federal Disaster declaration for Hurricane Milton (FEMA-4834-DR-FL). The HMGP provides grants to local governments to implement long-term hazard mitigation measures after major disaster declarations.

The replacement of the influent pump station will ensure continuity of operations during disaster events and power surges. The existing influent pump station was installed in 1987 as a wet pit and dry pit setup. The City has since added larger pumps to the station, but the station faces challenges when major storm events or unusual rainfall occurs. This project will include design, construction of a new wet pit influent pump station, connection to the existing force main systems, and abandonment of the existing influent pump station.

Application criteria require that state/local governments have an approved Local Mitigation Strategy (LMS) to be eligible to apply and require that projects submitted are a part of the LMS. The City participates in the Volusia County LMS and these projects were submitted, approved, and are included in the LMS project listing attached. Since Volusia County was directly affected by Hurricane Milton, projects within Volusia County are eligible for Tier 1 funding. The deadline for application submittal to the Florida Department of Emergency Management (FDEM) is July 25, 2025.


Financial Impact

If approved, FEMA will pay up to 75% of the cost. Cost is estimated to be $8,300,000 (HMGP share $6,225,000; City share $2,075,000). Funding will be allocated from Fund 409-Water & Wastewater Capital Improvement Fund.

Citizen Impact

This project will ensure continuity of City utility operations during disaster events and power surges.

Attachments

1. 25-104 HMGP WRF Pump Station Replacement (P25-0089G)
2. WRF Pump Station - DRAFT HMGP Application 2025

**RESOLUTION NO. 2025-104**

A RESOLUTION AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THE HAZARD MITIGATION GRANT PROGRAM FOR FUNDING ASSISTANCE FOR THE REPLACEMENT OF AN INFLUENT PUMP STATION AT THE WATER RECLAMATION FACILITY; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** the City Commission desires to replace an influent pump station at the Water Reclamation Facility at an estimated cost of $8,300,000.00 ("the Project"), and

**WHEREAS**, the Federal Emergency Management Agency has a current grant cycle open under the Hazard Mitigation Grant Program from which the City can request maximum funding assistance in the amount of $6,225,000.00 (75% of Project cost), and

**WHEREAS**, the City Commission desires to submit a grant application to the Federal Emergency Management Agency under the Hazard Mitigation Grant Program (a copy of which is attached hereto and incorporated herein by reference) for the purpose of obtaining funding assistance in the amount of $6,225,000.00 for the Project, and

**WHEREAS**, the City is required to make a matching contribution of at least $2,075,000.00, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, VOLUSIA COUNTY, FLORIDA, THAT:**

**SECTION ONE.** The City Manager or her designee is hereby authorized and directed to submit a grant application, including any and all documents that are necessary and

incidental thereto, to the Federal Emergency Management Agency under the Hazard Mitigation Grant Program in the amount of $6,225,000.00 for funding assistance to replace an influent pump station at the Water Reclamation Facility.

**SECTION TWO.** The Mayor and City Manager are hereby further authorized and directed to execute any contract, including any and all documents that are necessary and incidental thereto, for the City to accept the grant award.

**SECTION THREE.** The City Manager hereby certifies that the City's matching funds in the amount of $2,075,000.00 will be derived from the Capital Improvement Program Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025**.

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**THIS SECTION FOR STATE USE ONLY**

**FEMA-____-DR-FL** ☐ **Standard HMGP** ☐ **5% Initiative Application** ☐ **Application Complete**
☐ **Initial Submission or** ☐ **Re- Submission**

**Support Documents**
☐ **Conforms w/ State 409 Plan**
☐ **In Declared Area**
☐ **Statewide**

**Eligible Applicant**
☐ **State or Local Government**
☐ **Private Non-Profit (Tax ID Received)**
☐ **Recognized Indian Tribe or Tribal Organization**

**Project Type(s)**
☐ **Wind**
☐ **Flood**
☐ **Other**:

**Community NFIP Status:** (Check all that apply)
☐ **Participating Community ID#:**_____
☐ **In Good Standing** ☐ **Non-Participating** ☐ **CRS**

**LMS Ranking:** _____
**County:** _____

**State Application ID:** _____

(TIME-DATE STAMP HERE)

This application is for all Federal Emergency Management Agency (FEMA Region IV) Hazard Mitigation Grant Program (HMGP) proposals. Complete ALL sections and provide the documents requested. If you require technical assistance, contact the Florida Division of Emergency Management at **DEM_HazardMitigationGrantProgram@em.myflorida.com.**

## Section I – Applicant

**A. Applicant Instruction:** Complete all sections that correspond with the type of proposed project

| | |
|---|---|
| ***Application Sections I-IV*:** | *All* Applicants must complete these sections |
| ***Environmental Review:*** | *All* Applicants must complete these sections |
| ***Maintenance Agreement:*** | *Any* Applications involving public property, public ownership, or management of property |
| ***Flood Control – Drainage Improvement Worksheet:*** | *Acquisition, Elevation, Dry Flood Proofing, Drainage Improvements, Flood Control Measures, Floodplain and Stream Restoration, and Flood Diversion* ***– one worksheet per structure*** |
| ***Generator Worksheet:*** | *Permanent, portable generators, and permanent emergency standby pumps* |
| ***Tornado Safe Room Worksheet:*** | *New Safe Room, Retrofit of existing structure, Community Safe Room, Residential Safe Room* |
| ***Hurricane Safe Room Worksheet:*** | *New Safe Room, Retrofit of existing structure* |
| ***Wind Retrofit Worksheet:*** | *Wind Retrofit projects only – one worksheet per structure* |
| ***Wildfire Worksheet:*** | *Defensible Space, Hazardous Fuels Reduction, Ignition Resistant Construction, other* |
| ***Drought Worksheet:*** | *Aquifers, other* |
| ***Utility Mitigation Worksheet*** | *Upgrades to sewer systems, upgrading electrical components for a utility, undergrounding electrical systems, etc.* |
| ***Request for Public Assistance Form:*** | FEMA Form 90-49 (Request for Public Assistance): *All* applicants must complete, if applicable. |
| ***Acquisition Forms:*** | If project type is Acquisition, these forms must be completed.<br>(Only one of the two *Notice of Voluntary Interest* forms is necessary.)<br>*Model Statement of Assurances for Property Acquisition Projects*<br>*Declaration and Release*<br>*Notice of Voluntary Interest (Town Hall Version)*<br>*Notice of Voluntary Interest (Single Site Version)*<br>*Statement of Voluntary Participation*<br>*FEMA Model Deed Restriction Language* |
| ***Application Completeness Guidance / Checklist :*** | All applicants are recommended to complete this checklist and utilize the guidance for completing the application. |

## B. Applicant Information:

**FEMA-4834-DR-FL** **DISASTER NAME: Hurricane Milton**

**Title of Project: City of Ormond Beach, Water Reclamation Facility Influent Pump Station Replacement**

1. Applicant (Organization): **City of Ormond Beach**
2. Applicant Type: ☒ State or Local Government ☐ Native American Tribe ☐ Private Non-Profit ☐ Special District
3. County: **Volusia**
4. State Legislative Senate District(s): **7**; State Legislative House District(s): **28** ;
   Congressional House District(s): **6**
5. Federal Tax I.D. Number: **59-6000398**
6. Data Universal Numbering System (DUNS): **087320164**
7. Federal Information Processing Standards (FIPS) Code*: **12127** *(*if your FIPS code is not known, see guidance)*
8. National Flood Insurance Program (NFIP) Community Identification Number: **125136**
   *(this number can be obtained from the FIRM map for your area)*
9. **Point of Contact:** (Applicant staff serving as the coordinator of project)

   ☐Ms. ☒Mr. First Name: **Shawn** Last Name: **Finley**
   Title: **Assistant City Manager**
   Address: **22 South Beach Street**
   City: **Ormond Beach** State: **FL** Zip Code: **32174**
   Telephone: **386-676-3582** Email: Shawn.Finley@ormondbeach.org
10. **Application Prepared by:**

    ☒Ms. ☐Mr. First Name: **Loretta** Last Name: **Moisio**
    Title: **Grants Coordinator**
    Address: **22 South Beach Street**
    City: **Ormond Beach** State: **FL** Zip Code: **32174**
    Telephone: **386-676-3315** Email: Loretta.Moisio@ormondbeach.org
    Organization: **City of Ormond Beach**
11. **Authorized Applicant Agent** ***(proof of authorization authority required)***

    ☒Ms. ☐Mr. First Name: **Joyce** Last Name: **Shanahan**
    Title: **City Manager**
    Address: **22 South Beach Street**
    City: **Ormond Beach** State: **FL** Zip Code: **32174**
    Telephone: **386-676-3200** Email: **Joyce.Shanahan@ormondbeach.org**

    **Signature**: _____

    **Date**: _____
12. Local Mitigation Strategy (LMS) Compliance
    a. All proposed projects must be included in the county's Local Mitigation Strategy (LMS) Project List, and on file with FDEM's Mitigation Bureau Planning Unit. Does your jurisdiction have a current FEMA Approved Mitigation Plan and this project is listed? ☒ Yes ☐ No
    b. Attached is a letter of endorsement for this project from the county's LMS Coordinator. ☒ Yes ☐ No
    Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.
    c. The LMS project list and endorsement letter both have an estimated cost column and Federal Share amount that is within $500.00 between the two. ☒ Yes ☐ No
13. Has this project been submitted under a previous disaster event? ☒ No
    ☐ Yes, provide the disaster number and project number (as applicable): _____

## Section II – Project Description

### A. Hazards to be Mitigated / Level of Protection

1. Select the type of hazards the proposed project will mitigate:
   ☒ Flood ☐ Wind ☒ Storm surge ☐ Wildfire ☐ Other *(list):* _____

2. Identify the type of proposed project:
   ☐ Elevation and retrofitting of residential or non-residential structure
   ☐ Acquisition and Relocation ☐ Acquisition and Demolition
   ☐ Wind retrofit ☐ Drainage project that reduces localized flooding
   ☐ Generator ☒ Other (explain) Influent Pump Station Replacement

3. List the total number of persons that will be protected by the proposed project (*include immediate population affected by the project only*):

   **51,162**

4. List how many acres of "Total Impacted Area" is to be protected by the proposed project (*include immediate area affected by the project only*):

   **30,252**

5. Fill in the level of protection and the magnitude of event the proposed project will mitigate. *(e.g. 23 structures protected against the 100-year storm event (1% chance)*

   _____ structure(s) protected against the _____ -year storm event *(10, 25, 50, 100, or 500 year storm event*)

   _____ structure(s) protected against _____ mile per hour (mph) winds

6. Check **all** item(s) the project may impact:
   ☐ Wetlands ☒ Water Quality ☐ Previously Undisturbed Soil
   ☐ Floodplain ☐ Coastal Zone ☐ Toxic or Hazardous Substances
   ☐ Historic Resources ☐ Fisheries ☐ Threatened & Endangered Species
   ☐ Vegetation Removal ☐ Public Controversy ☐ Potential for Cumulative Impacts
   ☒ Health & Safety ☐ Other _____

7. ***Engineered projects:*** *If* your project has been already designed and engineering information is available, attach to your application **ALL** calculations, H&H study and design plans (e.g. Drainage Improvement, Erosion Control, or other special project types). ☐ No ☐ Yes If so, see Attachment #(s) _____.

### B. Project Description, Scope of Work, and Protection Provided (Must be Completed in Detail)

Describe, in detail, the existing problem, the proposed project, and the scope of work. Explain how the proposed project will ***solve*** the problem(s) and provide the level(s) of protection described in Part A. Also, if available, attach a vendor's estimate and/or a contractor's bid for the scope of work. ***Ensure that each proposed project is mitigation and not maintenance***.

1. Describe the existing problems:

   **The City of Ormond Beach is seeking replacement of its influent pump station at the Water Reclamation Facility (WRF), located at 550 North Orchard Street, to ensure continuity of operations during disaster events and power surges. The existing influent pump station was installed in 1987 as a wet pit and dry pit setup. Since then, the City has added larger pumps to the station, but the station faces challenges when major storm events or unusual rainfall occurs.**

2. Describe the type(s) of protection that the proposed project will provide:

   _____

3. Scope of Work (describe in detail what you are planning to do):

   **This project will include design, construction of a new wet pit influent pump station, connection to the existing force main systems, abandonment of the existing influent pump station, and closeout activities.**

4. Describe any other on-going or proposed projects in the area that may impact, positively or negatively, the proposed HMGP Project:

## Section III – Project Location *(Fully describe the location of the proposed project.)*

### A. Site

1. Describe the physical location of this project, including street numbers (or neighborhoods) and project site zip code(s). Provide precise longitude and latitude coordinates for the site utilizing a hand-held global positioning system (GPS) unit or the equivalent:

   Site Location: **Water Reclamation Facility**
   Address(es): **550 North Orchard Street**
   GPS coordinates (decimal degree format): **29.289733, -81.075296**
   Project Zip Code(s): **32174**

2. Titleholder: **City of Ormond Beach**

3. Is the project site seaward of the Coastal Construction Control Line (CCCL)? ☐ Yes ☒ No

4. Provide the number of each structure type (listed below) in the project area that will be affected by the project. Include ***all*** structures in project area.

   ☐ Residential property: _____ ☐ Public buildings: _____
   ☐ Businesses/commercial property: _____ ☐ Schools/hospitals/houses of worship: _____
   ☐ Other: _____

### B. Flood Insurance Rate Map (FIRM) Showing Project Site

| | | |
|---|---|---|
| 1. ☒ | Attach one (1) copy of the FIRM map, a copy of the panel information from the FIRM, and, if available, the Floodway Map. ***FIRM maps are required for this application (if published for your area). Also, all attached maps must have the project site and structures clearly marked on the map***. FIRMs are typically available from your local floodplain administrator who may be located in a planning, zoning, or engineering office. Maps can also be ordered from the Map Service Center at 1-800-358-9616. For more information about FIRMs, contact your local agencies or visit the FIRM site on the FEMA Web-page at https://msc.fema.gov/portal. | |
| 2. Using the FIRM, determine the flood zone(s) of the project site (Check all zones in the project area) *(See FIRM legend for flood zone explanations) (A Zone must be identified)* | | |
| ☐ | VE or V 1-30 | ☒ AE or A 1-30 |
| ☐ | AO or AH | ☐ A (no base flood elevation given) |
| ☐ | B or X (shaded) | ☐ C or X (unshaded) |
| ☐ | Floodway | ☐ |
| ☐ | Coastal Barrier Resource Act (CBRA) Zone (Federal regulations strictly limit Federal funding for projects in this Zone; coordinate with your state agency before submitting an application for a CBRA Zone project). | |
| 3. ☐ | **If the FIRM Map for your area is not published**, attach a copy of the Flood Hazard Boundary Map (FHBM) for your area, with the project site and structures clearly marked on the map. | |
| 4. ☐ | Attach a copy of a Model Acknowledgement of Conditions for Mitigation in Special Flood Hazard Area | |

### C. Maps with Project Site and Photographs

1. ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the project site and structures marked on the map.
2. ☒ Attach a USGS 1:24,000 TOPO map with project site ***clearly*** marked on the map.
3. ☐ For **acquisition** or **elevation** projects, include copy of Parcel Map (Tax Map, Property Identification Map, etc.) showing each property to be acquired or elevated. Include the Tax ID numbers for each parcel, and Parcel information – including year built and foundation.
4. ☐ Attach photographs (at a minimum 4 photographs) for each project site per application. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, etc. and drainage areas that affect the project site or will be affected by the project, and labeled. For each structure, include the following angles: front, back and both sides.

## Section IV – Budget/Costs

In order to assist applicants with filling out the following Budget section, we have provided the following instructions for your convenience. For this section, we ask that you provide details of all the estimated costs of the project, as it is used for the benefit-costs analysis as well as for the feasibility and effectiveness review.

For the cost sections relating to Materials, Labor, and Fees, it is important to note,

- Lump sums without supporting documentation showing a breakdown of those costs are not acceptable. For those items that will not fit in the spaces provided, attach the appropriate documentation to your application.
- Identify your match sources in sections B and I.
- Sub-Total cells will auto sum the costs in their respective columns.
- Do not factor management costs into parts A-C. If management costs are being requested, see part G.
- Contingency Costs need to be justified and reported as a separate line item in part E of this section. From left to right in that part, enter the desired percentage (maximum 5% of Material/Labor), the amount the percentage is to be applied to, and the resulting amount. **PLEASE NOTE**- These cells will not auto-calculate across the row, but the final cell will be calculated into the Final Project Cost below it. Take care that everything is calculated correctly.
- Pre-Award Costs: costs must be identified as a separate line item, AND a completed HMGP Pre-Award Cost Request Form MUST be submitted with this application, detailing the items/cost and requested start date.
- Mark all In-kind (donated) services with (**); In-house (employee) services with (***), per each line item.
- All funding sources (In-kind, In-house, Global Match, and Other Agencies) must be identified (below) AND identified on the Funding Sources - Section IV I.

For project management costs, in compliance with Disaster Relief and Recovery Act of 2018 (DRRA) and the subsequent FEMA Interim Policy #104-11-1, the Florida Division of Emergency Management has included a section for applicants to request, or refuse, project management funds that are available to them. Under this new policy, HMGP projects awarded under disasters declared on or after August 1, 2017, are eligible for project management costs up to 5 percent of their total project costs.

Applicants choosing to apply for this funding must detail the specific administrative costs in Part G of this section. These costs must be eligible administrative costs, conforming to the requirements set in 2 CFR Part 200 Subpart E. Applicants must ensure that their administrative costs are reasonable, allowable, allocable, and necessary for the performance of the federal award.

The State will allot these management costs on a project-by-project basis per the amount requested by the sub-recipient, up to 5 percent of the total project cost. A sub-recipient may request less than this, but no higher. These management costs will be considered a separate pool of funding, and **WILL NOT** affect a project's benefit-cost analysis.

Management costs will be reimbursed per reimbursement request, and no more than 5 percent of any given reimbursement request amount. All management costs reimbursements will be contingent upon adequate documentation from the sub-recipient.

Management costs will be reimbursed at 100 percent of the amount of management costs requested, so far as they are adequately documented and are no more than 5 percent of the request. Any unused management costs at closeout following the final payment will be de-obligated. If the final total project cost results in an under-run, management costs will be reduced accordingly.

Applicants must make the determination to request or refuse management costs at the time of formal application submittal. The State will accept the initial determination from the applicant. There will be no recourse from the State for applicants wishing to change their initial determination after the application has been formally submitted.

## A. Materials

| *Item* | *Unit* | *Quantity* | *Cost per Unit* | *Cost* |
|---|---|---|---|---|
| Concrete Pump Station (25' x 25' X 20') | LS | 1 | $2,750,000.00 | $2,750,000.00 |
| Soil Stabilization for Pump Station | LS | 1 | $300,000.00 | $300,000.00 |
| Waterproofing Membrane/Epoxy | LS | 1 | $250,000.00 | $250,000.00 |
| 3 mm Stairscreens and Compactors | EA | 2 | $400,000.00 | $800,000.00 |
| Lift Station Pumps | EA | 4 | $65,000.00 | $260,000.00 |
| Odor Control System | LS | 1 | $650,000.00 | $650,000.00 |
| Forcemain Tie-In Configuration | LS | 1 | $80,000.00 | $80,000.00 |
| Gravity Main Tie-In Configuration | LS | 1 | $34,900.00 | $34,900.00 |
| Mechanical and Electrical | LS | 1 | $925,000.00 | $925,000.00 |
| Instrumentation | LS | 1 | $250,000.00 | $250,000.00 |
| | | | | |
| | | | | |
| | | | | |
| | | | ***Sub-Total*** | **$6,299,900.00** |

## B. Labor Include equipment costs. Indicate all "soft" or in-kind matches (**).

| *Description* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| Contractor Mobilization | 1 | $450,000.00 | $450,000.00 |
| Demolish Existing Lift Station | 1 | $650,000.00 | $650,000.00 |
| | | | |
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| | | ***Sub-Total*** | **$1,100,000.00** |

## C. Fees Paid Include any other costs associated with the project.

| *Description of Task* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| **Pre-Award* | | | |
| CEI - Inspection Engineer | 2400 | $120.00 | $288,000.00 |
| CEI - Principal Engineer | 300 | $220.00 | $66,000.00 |
| | | | |
| Design - Principal Engineer | 250 | $250.00 | $50,000.00 |
| Design - Engineer | 1500 | $160.00 | $240,000.00 |
| Admin Support | 250 | $50.00 | $12,500.00 |
| Design - CADD Design | 2320 | $105.00 | $243,600.00 |
| | | | |
| | | | |
| | | ***Sub-Total*** | **$900,100.00** |

**D.** **Total Estimated Project Cost** **$8,300,000.0**

**E.** Contingency Costs (maximum 5% of Material/Labor) 5.00% $5.00 $357,500.00

**F.** **Final Project Cost** $8,657,500.0

***Note:*** *To be eligible for HMGP Pre-Award costs – the costs must be identified as a separate line item in the estimate above, AND a completed HMGP Pre-Award Cost Request Form MUST be submitted with this application, detailing the items/cost requesting.*

*Mark all In-kind (donated) services with (**); In-house (employee) services with (***), per each line item.*

*All funding sources (In-kind, In-house, Global Match, and Other Agencies) must be identified (above) AND identified on the Funding Sources - Section IV I.*

## G. Project Management Costs

Based on the amount of total project cost being requested in Part D (above), your project is eligible for up to an additional 5% of that amount for project management costs. Indicate below whether or not you would like to request these funds and follow the directions for your selected choice.

**Total Estimated Management Costs Available** (5% of Total Project Costs) *$415,000.00*
*Note: This number will be generated automatically after Part I is completed*

☒ **YES**, I would like to requests these funds (Fill out the itemized table below, then continue to Part I)*

☐ **NO**, I do not wish to request these funds. (continue to Part I)*

| *Description* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| *City Engineer* | *715* | *$80.00* | *$57,200.00* |
| *Project Manager* | *3200* | *$55.00* | *$176,000.00* |
| *Project Coordinator* | *1095* | *$40.00* | *$43,800.00* |
| *Engineering Technician* | *1200* | *$45.00* | $54,000.00 |
| *Engineering Inspector* | *2800* | *$30.00* | *$84,000.00* |
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## H. Total Estimated Management Costs Requested *$415,000.00*

***Note:** By selecting either “yes” or “no” the applicant is acknowledging that they understand what is being offered to them as it is described in this application.

## I. Funding Sources (round figures to the nearest dollar)

***The maximum FEMA share for HMGP projects is 75%.*** The other 25% can be made up of State and Local funds as well as in-kind services. HMGP funds may be packaged with other Federal funds, but other Federal funds (except for Federal funds that lose their Federal identity at the State level, such as CDBG, and certain tribal funds) may not be used for the Non-Federal share of the costs.

| | | | | | |
|---|---|---|---|---|---|
| 1. | ***Estimated Federal Share*** | $6,225,000.00 | 75 | % of Total | (Maximum 75%) |
| 2. | ***Non-Federal Shares*** | | | | |
| 3. | Estimated Local Shares | $2,075,000.00 | 25 | % of Total | (Cash) |
| 4. | | | | % of Total | (In-Kind**) |
| 5. | | | | % of Total | (In-House***) |
| 6. | | | | % of Total | (Global Match****) |
| 7. | ***Other Agency Share*** *(Identify Non-Federal Agency and availability date)* | | | % of Total | |
| 8. | ***Total Funding sources from above*** | **$8,300,000.00** | **100.00%** | ***Total*** | (Equals 100%) |

☐ **Identify proposed eligible activities directly related to project to be considered for In-Kind services in Section IV.C. Fees

☐ ***Identify proposed eligible activities directly related to project to be considered for In-House services in Section IV.C. Fees

☐ ****Separate project applications must be submitted for each Global Match project.

Global Match Project Number and Title: _____

| | | | | | |
|---|---|---|---|---|---|
| 9. | ***Total Estimated Management Costs*** | ***Requested*** | | | |
| | | ***Available*** | $415,000.00 | 5% of Total | (Max Allowed) |

## J. Project Milestones/Schedule of Work

List the major milestones in this project by providing an estimated time-line for the critical activities not to exceed a period of 3 years (36-months) of performance. ***(e.g. Contracting, Designing, Engineering, Permitting, Inspections, closeout, etc.)***

| ***Milestone(s)*** | ***Number of Months to Complete*** |
|---|---|
| | |
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| | |
| | |
| | |
| **Total** | **Months** |

## Section V. Environmental Review and Historic Preservation Compliance

***(NOTE: This application cannot be processed if this section is not completed.)***

Because the HMGP is a federally funded program, all projects are required to undergo an environmental and historic preservation review as part of the grant application process. Moreover, all projects must comply with the National Environmental Policy Act (NEPA) and associated Federal, State, Tribal, and Local statutes to obtain funding. **NO WORK can be done prior to the NEPA review process. If work is done on your proposed project before the NEPA review is completed, it will NOT be eligible for Federal funding.**

**A. The following information is required for the Environmental and Historic Preservation review:**

*All projects must have adequate documentation to determine if the proposed project complies with NEPA and associated statutes. The State Environmental Staff provide comprehensive NEPA technical assistance for Applicants, with their consent, to complete the NEPA review. The type and quantity of NEPA documents required to make this determination varies depending upon the project's size, location, and complexity. However, at a minimum, provide the applicable documentation from this section to facilitate the NEPA compliance process.*

1. ☐ Detailed project description, scope of work, and budget/costs (Section II and Section IV of this application).
2. ☐ Project area maps (Section III, part B & C of this application).
3. ☐ Project area/structure photographs (Section III, part C of this application).
4. ☐ Preliminary project plans.
5. ☐ Project alternatives description and impacts (Section V of the application).
6. ☐ Complete the applicable project worksheets.
   Documentation showing dates of construction are required for all structures.
7. ☐ Environmental Justice – Provide any applicable information or documentation regarding low income or minority populations in the project area. See Section V.B of this application for details.
8. ☐ Provide any applicable information or documentation referenced on the *Information and Documentation Requirements by Project Type* below.

**B. Executive Order 12898; Environmental Justice for Low Income and Minority Population:**

1. Are there low income or minority populations in the project area or adjacent to the project area?
   ☐ No ☒ Yes; describe any disproportionate and adverse effects to these populations:

   The project site is located within the City's Community Development Block Grant (CDBG) priority area.

2. ☐ To help evaluate the impact of the project, explain below or attach any other information that describes the population, or portion of the population, that would be either disproportionately or adversely affected. Include specific efforts to address the adverse impacts in your proposal narrative and budget.

## C. Tribal Consultation *(Information Required)*

*Section 106 of the National Historic Preservation Act (NHPA) requires federal agencies to take into account the effect of their undertakings on historic properties. The NHPA requires that agencies must complete this process prior to the expenditure of any Federal funds on the undertaking. A Tribal Consultation is required for any project disturbing ground or moving soil, including but not limited to: drainage projects; demolition; construction; elevation; communication towers; tree removal; utility improvements.*

1. Describe the current and future use of the project location. A land use map may be provided in lieu of a written description.

   Land Use Map Attached

2. Provide information on any known site work or historic uses for project location.

   _____

   ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the horizontal limits (feet) and vertical depths (square feet) of all anticipated ground disturbance of 3 inches or more.

## D. Alternative Actions *(Information Required)*

The NEPA process requires that at least two alternative actions be considered that address the same problem/issue as the proposed project. In this section, list **two feasible** alternative projects to mitigate the hazards faced in the project area. One alternative is the "No Action Alternative".

**1. No Action Alternative**
Discuss the impacts on the project area if no action is taken.

_____

**2. Other Feasible Alternative**
Describe a feasible alternative project that would be the next best solution if the primary alternative is not accomplished. This could be an entirely different mitigation method or a significant modification to the design of the current proposed project. Include a Scope of Work, engineering details (if applicable), estimated budget and the impacts of this alternative. Complete *all* of parts **a-e** (below).

**a. Project Description for the Alternative**
Describe, in detail, the alternative project, and explain how the alternative project will solve the problem(s) and/or provide protection from the hazard(s). Also, provide pros and cons for this alternative and a reason for why it was not selected.

_____

**b. Project Location of the Alternative** (*describe briefly, if different from proposed project*)

_____

☐ Attach a map or diagram showing the alternative site in relation to the proposed project site (*if different from proposed project*)

**c. Scope of Work for Alternative Project**

_____

**d. Impacts of Alternative Project**
Discuss the impact of this alternative on the project area. Include comments on these issues as appropriate: Environmental Justice, Endangered Species, Wetlands, Hydrology (Upstream and Downstream Surface Water Impacts), Floodplain/Floodway, Historic Preservation and Hazardous Materials.

_____

**e. Estimated Budget/Costs for Alternative Project**

In this section, provide details of all the estimated costs of the alternative project (round figures to the nearest dollar). A lump sum budget is acceptable.

| | |
|---|---|
| Materials: | |
| Labor: | |
| Fees: | |
| **Total Estimated Project Cost:** | **$ 0.00** |

**HMGP ENVIRONMENTAL REVIEW**

***Information and Documentation Requirements by Project Type***

| ***Retrofits to Existing Facilities/Structures***<br>***Elevations***<br>***Acquisitions with Demolition*** |
|---|
| ✓ Dates of Construction<br>✓ Ground disturbance map for projects with 3 inches or more of ground disturbance<br>✓ Structure photographs |
| ***Drainage Improvements*** |
| ✓ Engineering plans/drawings<br>✓ Permit or Exemption letter to address any modifications to water bodies and wetlands<br>o Department of Environmental Protection<br>o Water Management District<br>o U.S. Army Corps of Engineers<br>✓ Ground disturbance map for projects with 3 inches or more of ground disturbance.<br>✓ Concurrence from U.S. Fish and Wildlife addressing any impacts to wildlife, particularly endangered and threatened species and their habitats.<br>✓ If the project is in a coastal area, attach a letter from the National Marine Fisheries Service addressing impacts to marine resources.<br>✓ Concurrence from Natural Resource Conservation Service if project is located outside city limits and may impact prime or unique farmland.<br>✓ Concurrence from your Local Floodplain Manager – if project is located in a floodplain. |

*Note: This is a general guideline for most projects. However, there will be exceptions. Consult with state environmental staff on project types not listed.*

## Section VI – Maintenance Agreement

***All applicants whose proposed project involves the retrofit or modification of existing public property or whose proposed project would result in the public ownership or management of property, structures, or facilities, must first sign the following agreement prior to submitting the application to FEMA.***

***(NOTE: Not applicable to projects solely related to residential or private property.)***

The City of Ormond Beach, State of Florida, hereby agrees that if it receives any Federal aid as a result of the attached project application, it will accept responsibility, at its own expense if necessary, for the ***routine*** maintenance of any real property, structures, or facilities acquired or constructed as a result of such Federal aid**.** Routine maintenance shall include, but not be limited to, such responsibilities as keeping vacant land clear of debris, garbage, and vermin; keeping stream channels, culverts, and storm drains clear of obstructions and debris; and keeping detention ponds free of debris, trees, and woody growth.

The purpose of this agreement is to make clear the Sub-recipient's maintenance responsibilities following project award and to show the Sub-recipient's acceptance of these responsibilities. It does not replace, supersede, or add to any other maintenance responsibilities imposed by Federal law or regulation and which are in force on the date of project award.

Signed by Joyce Shanahan the duly authorized representative
(*printed or typed name of signing official*)

City Manager,
(*title*)

This _____(*day*) of _____(*month*), _____ *(year).*

**Signature*** _____

****Note: The above signature must be by an individual with legal signing authority for the respective local government or county (e.g., the Chairperson, Board of County Commissioners or the County Manager, etc.)***

# HMGP Application Completeness Guidance/Checklist

This guidance/checklist contains an explanation, example and/or reference for information requested in the application. Use this list to assure your application is complete and includes the required information for HMGP projects. The appropriate documentation must also be attached. It is important to note that this list is similar to the form that will be used during the application sufficiency review by the HMGP staff.

**Project Title: Water Reclamation Facility Influent Pump Station Replacement**

**Applicant: City of Ormond Beach**

| Application Information | Explanation of Information Required | ✓ |
|---|---|---|
| ***Section I*** | | |
| **B. Applicant Information** | | |
| **FEMA___-DR-FL** | Type in the four digit number FEMA assigned to the disaster that this application is being submitted under. (Example: 4337, 4283) | ☒ |
| **DISASTER NAME** | Type in the Disaster name. (Example: Hurricane Irma, Tropical Storm Fay) | ☒ |
| **Title of Project** | The project title should include: 1) Name of Applicant, 2) Name of Project, 3) Type of Project. (Example: City of Tallahassee, City Hall Building, Wind Retrofit) | ☒ |
| **1. Applicant** | Name of organization applying. Must be an eligible applicant. | ☒ |
| **2. Applicant Type** | State or local government, recognized Native American tribe, or private non-profit organization. If private non-profit, attach documentation showing legal status as a 501(C). (Example: IRS letter, Tax Exempt Certificate) | ☒ |
| **3. County** | Indicate county in which the project is located. | ☒ |
| **4. State Legislative and Congressional District(s)** | Specify the appropriate State Senate, House and Congressional District code for the **project site**. For multiple sites, list codes for each site. http://www.myfloridahouse.gov/sections/representatives/myrepresentative.aspx | ☒ |
| **5. Federal Tax I.D. Number** | List the Federal Employer's Identification Number (FEIN), also known as Federal Tax Identification number, 9-digit code. May be obtained from your finance/accounting department. | ☒ |
| **6. DUNS Number** | Include Data Universal Numbering System (DUNS) number in appropriate location on application. Typically, this number can be obtain through your finance department. If not, use the link below to look up your entity. If none, exists you can use the same link to request one. https://www.dnb.com/duns-number.html | ☒ |
| **7. FIPS Code** | List the Federal Information Processing Standards (FIPS) Code. May be obtained from your finance/accounting/grants department. If none, submit FEMA Form 90-49. See state website under the relevant disaster (https://floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/) | ☒ |
| **8. NFIP ID Number** | List the National Flood Insurance Program (NFIP) number. You must be a participating NFIP member to be eligible for HMGP funding. Make sure that the number is the same as the panel number on the FIRM provided with the application. | ☒ |
| **9. Point of Contact** | Provide all pertinent information for the point of contact. This person serves as the coordinator of the project. If this information changes once the application is submitted, please contact the HMGP staff immediately. | ☒ |
| **10. Application Prepared By** | Provide the preparer information. May be different from the point of contact (line 9) and/or the applicant's agent (line 11). | ☒ |
| **11. Authorized Applicant Agent** | An authorized agent must sign the application. *"An authorized agent is the chief elected official of a local government who has signature authority, so for a county it would be the Chairman of the Board of County Commissioners and for a municipality it would be the Mayor (the exact title sometimes varies). Any local government may delegate this authority to a subordinate official (like a City or County Manager) by resolution of the governing body (the Board of County Commissioners or Board of City Commissioners). If a local government delegates signature authority, a copy of the resolution by the governing body authorizing the signature authority for the individual signing must be provided."* | ☒ |

| | | |
|---|---|---|
| | For Private Non-Profit: A member of its Board of Directors or whoever has authority to authorize funding for such a project. If this task is delegated down, a copy of a resolution confirming this must be provided. | |
| **12. LMS Compliance** | a) LMS Project List:<br>All proposed projects must be included in the county's Local Mitigation Strategy (LMS) Project List and must be on file with FDEM's Mitigation Bureau Planning Unit.<br>b) LMS Endorsement Letter:<br>All proposed projects must include an endorsement letter from the county's Local Mitigation Strategy Coordinator. You may use 1 letter as long as it includes every proposed project.<br>c) Estimated Costs & Application Costs:<br>The LMS Project List must include an Estimated Cost column and each HMGP project application must be within $500.00 of that Project List's estimated cost. Also ensure that the Federal Cost Share indicated on the LMS Coordinator's Endorsement Letter exactly matches the Federal Cost Share indicated within the application. Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.<br>A letter of endorsement for the project and its priority number from the Local Mitigation Strategy Project List must be included. Refer to **Sample LMS Letter**. Applications without a letter of endorsement will not be processed. *(44 CFR 201.6 Local Mitigation Plans)* | ☒ |
| **13. Previous Submittal** | If the project has been previously submitted under another disaster, provide the disaster number, the project number, and the title of the project. | ☐ |

## ***Section II - Project Description***

### A. Hazards to be Mitigated/Level of Protection

| | | |
|---|---|---|
| **1. Type of Hazards** | **Type of Hazards the Proposed Project will Mitigate**: Identify the hazard(s) that the proposed project will mitigate. More than one hazard may be selected. | ☒ |
| **2. Identify the Type of Project** | **Identify the Type of Proposed Project**: Describe the mitigation project being proposed. (Example: drainage, wind retrofit, generator etc.) | ☒ |
| **3. Number of Persons Protected** | Explain how many people will be protected by or benefit from the proposed project. (Example: A drainage project improving a residential area of 23 homes, with an average household of 2 people = 46 people) | ☒ |
| **4. Total Impacted Area** | Explain how many acres will be impacted from the proposed project: Drainage/Berm/Pond/Culverts/Flood hazard projects: combination of the area to be protected and ground disturbance must not exceed 25 acres. | |
| **5. Level of Protection** | Specify the level of protection and magnitude of the event the proposed project will mitigate. Attach support documentation that verifies the stated level of protection. (Example: In a wind retrofit project, it will be the design wind speed to comply with the Florida Building Code requirements. In a drainage project, it will be the implemented design level, e.g. a 25-year FDOT design standard for culvert.) | ☐ |
| **6. Project Impact** | Identify **all** the items the project may impact or are within the project area. | ☐ |
| **7. Engineered Projects (e.g. Drainage)** | Include available engineering calculations, studies, and designs for the proposed project showing results from applied Recurrence Interval scenarios before and after mitigation. (Number of structures, building replacement value, depth of the water, structural damages, content damages, displacement, road closures, etc.) | ☐ |

### B. Project Description, Scope of Work, and Protection Provided (Must be Completed in Detail)

| | | |
|---|---|---|
| **1. Existing Problem** | Describe the existing problem, location, source of the hazard, and the history and extent of the damage. Include newspaper articles, insurance documentation, photographs, etc. If this project is eligible for PA (406) mitigation activities, describe the 406 activities. | ☐ |
| **2. Type of Protection** | Determine how the funding will solve the existing problem and provide protection. | ☐ |
| **3. Scope of Work:** | **What the Project Proposes to Do**: Determine the work to be done. The scope of work must meet eligibility based on HMGP regulations and guidance. Explain how the proposed problem will be solved. (NOTE: The proposed project must be a | ☐ |

| | | |
|---|---|---|
| | mitigation action, not maintenance.) *Does the proposed project solve a problem independently or constitute a functional part of a solution where there is assurance that the project as a whole will be completed (44 CFR 206.434[c][4])? Does the proposed project address a problem that has been repetitive or that poses a significant risk to public health and safety if left unresolved (44 CFR 206.434[c][5][i])?* Projects that merely identify or analyze hazards or problems are not eligible. | |
| **4. On-Going or Proposed Projects in the Area** | Determine if other projects, zoning changes, etc. are planned (particularly in the same watershed if flooding is being addressed) that may negatively or positively impact the proposed project. If there is a drainage project or downstream issue elsewhere, it may eliminate the current flooding issue, erasing the need for the proposed project. Response applies to drainage and acquisition projects. N/A is appropriate in wind retrofit shutter projects only. If this project is also being considered under the Public Assistance Program (406), describe in detail the 406 mitigation activities and/or services. Do not include project costs associated with this HMGP application. | ☐ |

## ***Section III - Project Location***

### A. Site

| | | |
|---|---|---|
| **1. Physical Location** | List the physical location of the project site(s) including the street number(s), zip code(s) and GPS coordinates (latitude/longitude, in decimal degrees). The physical address must correspond with the address locations specified on maps submitted with the application. | ☒ |
| **2. Titleholder** | Provide the titleholder's name. | ☒ |
| **3. Project Seaward of the CCCL?** | Determine if the project site is located seaward of the Coastal Construction Control Line. https://floridadep.gov/water/coastal-construction-control-line | ☒ |
| **4. Number and Types of Structures Affected** | Specify the number and type of properties affected by the project. (Example: Drainage project that affects 100 homes, 15 businesses and 2 schools.) What does the project protect? Should have a number next to the box that is checked. (See Section II, Item A.5 – detail of these totals) | ☐ |

### B. Flood Insurance Rate Map (FIRM) Showing Project Site

| | | |
|---|---|---|
| **1. Copies of FIRM** | Attach a copy (or copies) of the FIRM and clearly identify the project site. The FIRM Panel number must be included. To obtain a FIRM map, go to https://msc.fema.gov/portal. **See instructions on How to make a FIRMette.** | ☒ |
| **2. Flood Zone Determination** | Specify the flood zone(s) of the project site(s). **If project is located in a Special Flood Hazard Area. Amount of coverage must be equal to or greater than the amount of Federal mitigation funding obligated to the project.** | ☐ |
| **3. Flood Hazard Boundary Map (FHBM)** | Not required if a copy of the FIRM is attached. | ☐ |
| **4. Model Acknowledgement of Conditions form** | The Model Acknowledgement of Conditions for Mitigation in Special Flood Hazard Area form is required for those structures receiving federal funds that will also remain in the special flood hazard area by the close of the project. This form is required at application. It can be found on FEMA's website at https://www.fema.gov/media-library/assets/documents/15677 | ☐ |

### D. C. Maps with Project Site and Photographs

| | | |
|---|---|---|
| **1. City/County Map with Project Site** | The project site and staging location (if applicable) should be clearly marked on a legible City/County map. The map should be large enough to show the project site. More than one map may be required. | ☒ |
| **2. USGS TOPO with Project Site** | The project site should be clearly marked on a legible USGS 1:24,000 TOPO map. To obtain a TOPO map, go to https://ngmdb.usgs.gov/topoview/ | ☒ |
| **3. Parcel/Tax Map** | A Parcel, Tax or Property Identification map is required <u>only</u> for acquisition and elevation projects. The location of the structure must be clearly identified. | ☐ |
| **4. Site Photographs** | At least four photographs are required that clearly identify the project site. The photos must be representative of the project area, including any relevant streams, creeks, rivers, etc., and drainage areas that affect the project site or will be affected by the project. The front, back and both side angles are required for each structure. For acquisition and elevation projects, a photo taken away from the structure (in front toward the street, and in back toward backyard) to show the area along with | ☐ |

| | | |
|---|---|---|
| | photographs of specific elements of the structure affected by the project (windows for shutters or window replacements) should also be provided. Label photographs appropriately. In addition, CDs may be submitted. | |

## ***Section IV - Budget/Costs***

Make sure all calculations are correct. Provide a breakdown of materials, labor and fees for the proposed project. Support documentation must be attached, i.e. vendor's quote, professional estimate (from engineer, architect, local building official, etc.). The proposed budget line items should represent allowable costs associated with the scope of work. Contingency Cost should be included as a line item in the budget section, and justified – Maximum allowed is 5%, and is required to complete this section; it will be used for the Benefit-Cost Analysis (BCA). Costs should be accurate, complete and reasonable compared to industry standards. Make sure the total cost is correct on the entire application.

| | | |
|---|---|---|
| **A. Materials** | List materials and their associated costs. Provide breakdown. | ☐ |
| **B. Labor** | Provide a breakdown of description, hours, rate, and cost or lump sum labor cost. Can use in-kind contribution as part of the 25% match. (Attach support documentation for in-kind, in-house to detail wages and salaries charged for any contribution. No overtime wages can be used to satisfy match contributions). | ☐ |
| **C. Fees Paid** | Provide a breakdown of associated fees i.e., consultants, studies, engineering, permits, and project management. Maintenance is not an allowable cost under HMGP. *Pre-award costs may be requested* **(See Pre-award Costs guidance).** | ☐ |
| **D. Total Estimated Project Cost** | This number includes all project costs without contingency costs included. Make sure all calculations are correct. | ☐ |
| **E. Contingency Cost** | Per FEMA's HMA Guidance (Section VI Part D.3.4), a contingency cost is, "an allowance in the total cost estimate to cover situations that cannot be fully defined at the time the cost estimate is prepared but that will likely result in additional eligible costs. Allowances for major project scope changes, unforeseen risks, or extraordinary events may not be included as contingency costs."<br>The applicant may request up to 5% of material/labor costs. As with other line items, the applicant must justify these contingency costs based on the nature of the project at application.<br>If an applicant wants to include contingency costs, they will need to enter the percentage that they require as well as what amount they want that percentage to be applied to. Type the resulting calculation in the final cell on the right. These cells will **NOT** auto-calculate. Be sure that they are calculated correctly. | ☐ |
| **F. Final Project Cost** | This number includes any contingency costs that were requested. The final BCA will use this number in its final calculation. | ☐ |
| **G. Project Management Costs** | After reading the guidance provided on pg. 5, select either **YES** or **NO** to indicate your need for management costs for this project.<br>If **YES**, provide a breakdown of description, hours, rate and costs for requested management costs.<br>If **NO**, continue to Part I. | ☐ |
| **H. Total Estimated Management Costs Requested** | This will auto complete based on what is entered into the cost cells above. Your request must not exceed 5 percent of the total project cost available for this project. | ☐ |

### I. Funding Sources (round figures to the nearest dollar)

The proposed sources of non-federal matching funds must meet eligibility requirements. (Except as provided by Federal statute, a cost-sharing or matching requirement may not be met by costs borne by another Federal grant.) 2 CFR Part 200.306.

| | | |
|---|---|---|
| **1. Estimated Federal Share** | The estimated Federal share is generally 75%. If the Federal share is not 75%, assure actual amount is entered. It could be 50.1234% or 35.1234%, etc. of the total dollar amount of project depending on county LMS allocation and priority. This figure cannot exceed 75%. | ☒ |
| **2. Non-Federal Share** | May include all 3 sources, i.e. cash, in-kind and global match, as long as the total is a minimum of 25%. Match cannot be derived from a federal agency except Federal funds that lose their federal identity (e.g., CDBG funding and certain tribal funding). | ☒ |
| **3. Cash** | Cash- Local funding will be utilized for the non-federal share. Enter amount of cash and percentage of total that amount represents. | ☒ |
| **4. Total In-Kind** | May use materials, personnel, equipment, and supplies owned, controlled and operated from within governing jurisdiction as an in-kind match. *Third party in-kind contributions would be volunteer services, employee services from other* | ☐ |

| | | |
|---|---|---|
| | *organizations furnished free of charge, donated supplies, and loaned equipment or space. The value placed on these resources must be at a fair market value and must be documented. If in-kind is claimed from outside the applicant jurisdiction, it must be cash only. ** Identify proposed eligible activities in Section IV B. and C. as a separate line with In-kind written as a part of the description.* | |
| **5. Total In-house** | Sub-Recipient employees, equipment, etc. – internal services (must utilize the Personnel Activity Report or the Equipment Activity Report for the Request for Reimbursement) | ☐ |
| **6. Total Project (Global) Match** | Project (global) match must 1) meet all the eligibility requirements of HMGP; and 2) begin after FEMA's approval of the match project. A separate HMGP application must be submitted for global match projects. Indicate which project(s) will be matched. *The global match is not required to be an identical project. Projects submitted as global match for another project must meet the same period of performance time constraints as the HMGP.* | ☐ |
| **7. Other Agency Share** | Identify Non-Federal Agency and availability date; provide the documentation from the agency. (e.g., CDBG funding, and certain tribal funding) | ☐ |
| **8. Total Funding** | Total must represent (100%) of the total estimated project cost. Ensure that percentages match corresponding cost-shares and the total matches the Budget (in Section IV. F. - Total Estimated Project Cost). | ☒ |
| **9.** | Your requested amount must be equal to or less than 5 percent of the total project cost | ☐ |

### J. Project Milestones/Schedule of Work

| | | |
|---|---|---|
| **1. Milestones (Schedule)** | Identify the major milestones in the proposed project and provide an estimated time-line *(e.g. Designing, Engineering – 3 months, Permitting – 6 months, Procurement – 30 days, Installation – 6 months, Contracting – 1 month, Delays, Project Implementation, Inspections, Closeout, etc.)* for the critical activities not to exceed a period of 3 years (36-months) for performance. Milestones should not be grouped together but listed individually. Allot for the appropriate amount of time for final inspection and closeout (about 3 months). | ☐ |

## ***Section V - Environmental Review & Historic Preservation Compliance***

No work can begin prior to the completion of the environmental (NEPA) review. In order for the Environmental staff to conduct the NEPA review, all sections listed below must be completed.

| | | |
|---|---|---|
| **1. Description, SOW & Budget** | Detailed Project Description, Scope of Work & Budget/Costs. Complete Sections II & IV of the application. | ☐ |
| **2. Area Maps** | Project area Maps - Attach a copy of the maps and clearly mark the project site, and place the specific project structure(s) on map(s). Complete Section III, part B & C of the application. | ☐ |
| **3. Project Area/Structure Photographs** | Complete Section III part C of the application. | ☐ |
| **4. Preliminary Project Plans** | For shutters see the scope of work and for drainage & elevation see engineering drawings. | ☐ |
| **5. Project Alternatives** | Complete Section V part D. of this application. | ☐ |
| **6. Project Worksheets** | Dates of construction are required for all structures. See worksheets. | ☐ |
| **7. Environmental Justice Documentation** | See Section V.B for applicable information. | ☐ |
| **8. Information/ Documentation Requirements by Project Type** | Provide any of the required documentation as listed at the end of Section V in the Information and Documentation Requirements by Project Type that may have already been obtained. | ☐ |

### B. Executive Order 12898, Environmental Justice for Low Income and Minority Population

| | | |
|---|---|---|
| **1. Disproportionate Effects** | Determine if there are populations in either the project zip code or city that are characterized as having a minority background or living below the poverty level. If yes, | ☐ |

| | | |
|---|---|---|
| | complete the rest of Section V, part B. Describe any disproportionate effects that these populations would experience if the project were completed. | |
| **2. Population Affected** | Describe the population affected by this project and the portion of the population adversely impacted. Attach any documentation and list the attachments here. | ☐ |

### C. Information required for Tribal Consultation

| | | |
|---|---|---|
| **Documentation for Tribal Consultation** | For all projects with any ground disturbing activities of 3 inches or more, complete Section V part C. | ☐ |

### D. Alternative Actions

| | | |
|---|---|---|
| **1. No Action Alternative** | Discuss the impacts on the project area if no action is taken. | ☐ |
| **2. Other Feasible Alternative Action** | This is a FEMA and FDEM requirement for any Application Review. A narrative discussion of at least three project alternatives (from No Action to the most effective, practical solution) and their impacts, both beneficial and detrimental is required. It is expected that the jurisdiction has completed sufficient analysis to determine the proposed project can be constructed as submitted and it supports the goals and objectives of the FEMA approved hazard mitigation plan. Has the proposed project been determined to be the most practical, effective and environmentally sound alternative after consideration of a range of options? (44 CFR 206.434[c][5][iii]) | ☐ |
| **a. Project Description** | It is very important and a requirement that an Alternative project is submitted. NEPA requires that at least three alternatives must be presented to mitigate the problem. In addition to the proposed action and no action, one other **feasible** alternative must be provided. | ☐ |
| **b. Project Location of the Alternative** | Describe the surrounding environment. Include information regarding both natural (i.e., fish, wildlife, streams, soils, plant life) and built (i.e., public services, utilities, land/shoreline use, population density) environments. | |
| **c. Scope of Work – Alternative Project** | Describe how the alternative project will solve the problem and provide protection from the hazard. Provide enough detail to describe the project for the evaluation panel to decide the best course of action for the state. Include any appropriate diagrams, sketch maps, amount of materials and equipment, dimensions of project, amount of time required to complete, etc. | |
| **d. Impacts of the Alternative Project** | | |
| **e. Estimated Budget/Costs for the Alternative Project** | Total cost is required. | ☐ |
| **Materials, Labor, and Fees Paid** | Detailed line items are not required. Just enter a total amount. | ☐ |
| **Total Estimated Project Costs** | Total cost is required. Vendor quote is not required. A lump sum budget may be submitted as justification to why this alternative was not chosen. | ☐ |

## Section VI – Maintenance Agreement

| | | |
|---|---|---|
| **Maintenance Agreement** | Complete, sign and date the maintenance agreement. The maintenance agreement must be signed by an individual with signature authority, preferably the authorized agent. | ☒ |

## Other Required Documentation

Go to www.floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/ for additional documents

| | | |
|---|---|---|
| **1. Maps** | All maps must be included with the application. | |
| **2. FFATA Form** | During contracting with the state, complete, sign and date the FFATA Project File Form. Instructions are provided for your convenience in the document provided. **This is not required at the time of application submittal.** | ☐ |
| **3. SFHA Acknowledgement of Conditions** | Required for all projects in the Special Flood Hazard Area. Read and sign the SFHA Acknowledgement of Conditions document. This form must be notarized, signed by the local jurisdiction and the property owner. | ☐ |
| **4. Pre-award Cost Form** | If pre-award costs are being requested with your project, be sure to identify all pre-award costs in the application budget per instructions. The pre-award cost form must be completed and submitted with your application. | ☐ |

| | | |
|---|---|---|
| **5. Request for Public Assistance Form** | Applicable if no FIPS number is assigned to applicant/recipient. | ☐ |
| **6. Model Statement of Assurances for Property Acquisition Projects** | For Acquisition projects only. | ☐ |
| **7. Declaration and Release** | For Acquisition projects only. Must be signed by all persons whose names are on the property deed. | ☐ |
| **8. Notice of Voluntary Interest** | For Acquisition projects only. Two forms are available for your convenience. Use the form that is most appropriate to your situation. Must be signed by all persons whose names are on the property deed. | ☐ |
| **9. Statement of Voluntary Participation for Acquisition of Property for Purpose of Open Space** | For Acquisition projects only. Must be signed by all persons whose names are on the property deed. | ☐ |
| **10. Worksheets** | The appropriate worksheet(s) must be completed and submitted with the application.<br>a. Flood Control – Drainage Improvement<br>b. Generator<br>c. Tornado Safe Room<br>d. Hurricane Safe Room<br>e. Wind Retrofit<br>f. Wildfire<br>g. Drought | ☐ |

*Submit **1 original (signed) and 1 full copy** of the entire application and backup documentation. Include a full copy of the submittal and all documentation on CD or thumb drive.

# Attachment Index

Use the following template to list any supporting documentation that is **included on the CD or flashdrive**. Clearly and concisely label each attachment on this form to correspond with the file name on the CD or flashdrive. In the first column list which section and item (from the HMGP application) the attachment refers to. *Example: Section 2, Item 1.* **If any required documentation is not included on the CD or flashdrive, the application will be considered incomplete and *will not* be considered for possible funding.**

| Section # & Item | | Attached Document Name |
|---|---|---|
| 1 | Sec I-B | LMS Letter of Endorsement and Priority List |
| 2 | Sec III-B | FIRM Maps |
| 3 | Sec III-C.1 | City Scale Map |
| 4 | Sec III-C.2 | USGS Topo Map |
| 5 | Sec III-C.4 | Site Photographs |
| 6 | Sec V-C.1 | Land Use Map |
| 7 | | Project Quotes |
| 8 | | Windspeed Maps |
| 9 | | EHP Worksheet |
| 10 | | CCCL Maps |
| 11 | | SF424 and SF424D |
| 12 | | Budget Workbook |
| 13 | | Authorization Authority |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |

Volusia County
FLORIDA

**Department of Emergency Services**
**Emergency Management Division**

June 20, 2025

Ms. Laura Dhuwe, State Mitigation Officer
Florida Division of Emergency Management
255 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

RE: Hazard Mitigation Grant Program (HMGP) applications for FEMA 4834-DR-FL, Hurricane Milton

Dear Ms. Dhuwe:

The Volusia County Local Mitigation Strategy (LMS) working group has approved by vote and prioritized the following projects for HMGP funding from this disaster. These projects align with our LMS goals and objectives as noted, and with the State's mitigation goals and objectives (in accordance with the Code of Federal Regulations 44 § 201.6)

The Volusia County LMS group therefore presents the projects below (or in an attachment) in the order that they are to be considered for funding.

For further information or inquiry, please contact me at 386-671-8807 or bartonjustin@codb.us.

Sincerely,

Justin Barton Digitally signed by Justin Barton
DN: C=US, E=bartonjustin@daytonabeach.gov, O=City of Daytona Beach, CN=Justin Barton
Date: 2025.06.20 18:00:33-04'00'

_____, LMS Chair Volusia County

cc:

# Priority List for Volusia County FL HMGP Hurricane Milton

| LMS Priority | Jurisdiction | LMS # | Project Description | Total Cost | HMGP (75%) | Match (25%) |
|---|---|---|---|---|---|---|
| 1 | Orange City Public Works | VOL-0736 | Mill Lake and Industrial Park Flood Mitigation Project | $1,200,000 | $900,000 | $300,000 |
| 2 | Ormond Beach Utilities | VOL-0725 | Water Treatment Plant Generator Replacement | $1,610,000 | $1,207,500 | $402,500 |
| 3 | Deland City Manager's Office | VOL-0743 | Earl Brown Park Stormwater Management Area Improvements | $1,500,000 | $1,125,000 | $375,000 |
| 4 | Edgewater Environmental Services | VOL-0710 | Rehabilitation of Lift Stations #5, #10, #17, and #31 with Emergency Bypass Pumps | $850,000 | $637,500 | $212,500 |
| 5 | Daytona Beach | VOL-0726 | Permanent Perimeter Flood Wall – Bethune WRF | $7,200,000 | $5,400,000 | $1,800,000 |
| 6 | Deltona Public Works | VOL-0732 | Installation of Permanent Bypass Pumps to serve nine (9) Stormwater Pump Stations | $2,160,000 | $1,620,000 | $540,000 |
| 7 | South Daytona Public Works | VOL-0708 | South Daytona Oriole Lane/Kenilworth Avenue Pond | $750,000 | $562,500 | $187,500 |
| 8 | South Daytona Public Works | VOL-0709 | South Daytona Green Street/Brian Avenue Pond | $750,000 | $562,500 | $187,500 |
| 9 | Volusia County Fire Rescue | VOL-0742 | Station 23 Wind Retrofit, Saferoom, and Flood Mitigation Project | $10,000,000 | $7,500,000 | $2,500,000 |
| 10 | New Smyrna Beach Engineering Dept. | VOL-0734 | Acquisition and Demolition of three (3) Flood-Prone Homes | $1,375,588 | $1,031,691 | $343,897 |
| 11 | AdventHealth Fish Memorial | VOL-0728 | AdventHealth Fish Memorial - Muscle Wall Flood System | $802,530 | $601,898 | $200,633 |
| 12 | Daytona Beach Shores Public Works | VOL-0695 | Sewer Improvements and Retrofit North of Dunlawton Avenue | $4,628,000 | $3,471,000 | $1,157,000 |
| 13 | Ormond Beach Public Works | VOL-0718 | John Anderson Drainage Improvements | $417,884 | $313,413 | $104,471 |
| 14 | Volusia County Emergency Management | VOL-0737 | Mitigation Reconstruct 136 Temple St. | $321,668 | $220,000 | $101,668 |
| 15 | Edgewater Environmental Services | VOL-0707 | Rehabilitation of Lift Stations #40, #42, and #51 with Emergency Bypass Pumps | $635,000 | $476,250 | $158,750 |
| 16 | Deltona Public Works | VOL-0731 | Installation of Permanent Bypass Pumps to serve five (5) Domestic Wastewater Lift Stations | $1,500,000 | $1,125,000 | $375,000 |
| 17 | Volusia County Emergency Management | VOL-0739 | Acquisition of 246 Cranor Avenue | $732,600 | $549,450 | $183,150 |
| 18 | Volusia County Emergency Management | VOL-0738 | Acquisition of 1839 Old Tomoka Road | $827,600 | $620,700 | $206,900 |
| 19 | Volusia County Emergency Management | VOL-0740 | Acquisition of 1228 Orange Camp Road | $678,500 | $508,875 | $169,625 |

## Priority List for Volusia County FL HMGP Hurricane Milton

| LMS Priority | Jurisdiction | LMS # | Project Description | Total Cost | HMGP (75%) | Match (25%) |
|---|---|---|---|---|---|---|
| 20 | Volusia County Emergency Management | VOL-0741 | Elevation of 1646 Lake George Road | $252,412 | $189,309 | $63,103 |
| 21 | Deland City Manager's Office | VOL-0744 | Thompson and Winnimessett Stormwater Pond Expansion | $1,000,000 | $750,000 | $250,000 |
| 22 | Deland City Manager's Office | VOL-0745 | Stone and Ambrose Stormwater Pond Expansion | $100,000 | $75,000 | $25,000 |
| 23 | Deland City Manager's Office | VOL-0746 | Painters Pond Stormwater Management Area Improvements | $1,000,000 | $750,000 | $250,000 |
| 24 | AdventHealth Daytona | VOL-0727 | AdventHealth Daytona Beach - one (1) Generator for the Medical Office Building | $2,343,000 | $1,757,250 | $585,750 |
| 25 | AdventHealth Daytona Beach | VOL-0747 | Advent Health Daytona Beach - Generator for the Cancer Institute - Critical Infrastructure Sustainability | $2,393,714 | $1,795,286 | $598,429 |
| 26 | Ormond Beach Utilities | VOL-0724 | Water Reclamation Facility Influent Pump Station Replacement | $8,300,000 | $6,225,000 | $2,075,000 |
| 27 | AdventHealth Daytona Beach | VOL-0748 | Cooling Tower Secondary Water Source Well | $685,046 | $513,785 | $171,262 |
| | | | **TOTALS =>** | **$54,013,541** | **$40,488,905** | **$13,524,636** |
| | | | **FEMA-4834-DR-FL 6-Month Estimate as of 04/03/25 =>** | **$28,446,488.69** | **$21,334,866.52** | **$7,111,622.17** |
| | | | **Less Florida Elevate Allocations =>** | | **($1,105,146.09)** | |
| | | | | **($25,567,052)** | **($20,259,185)** | **($6,413,014)** |

# National Flood Hazard Layer FIRMette

550 North Orchard Street, Ormond Beach, FL 32174

FEMA

81°4'48"W 29°17'37"N




81°4'10"W 29°17'6"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2025 at 3:58 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

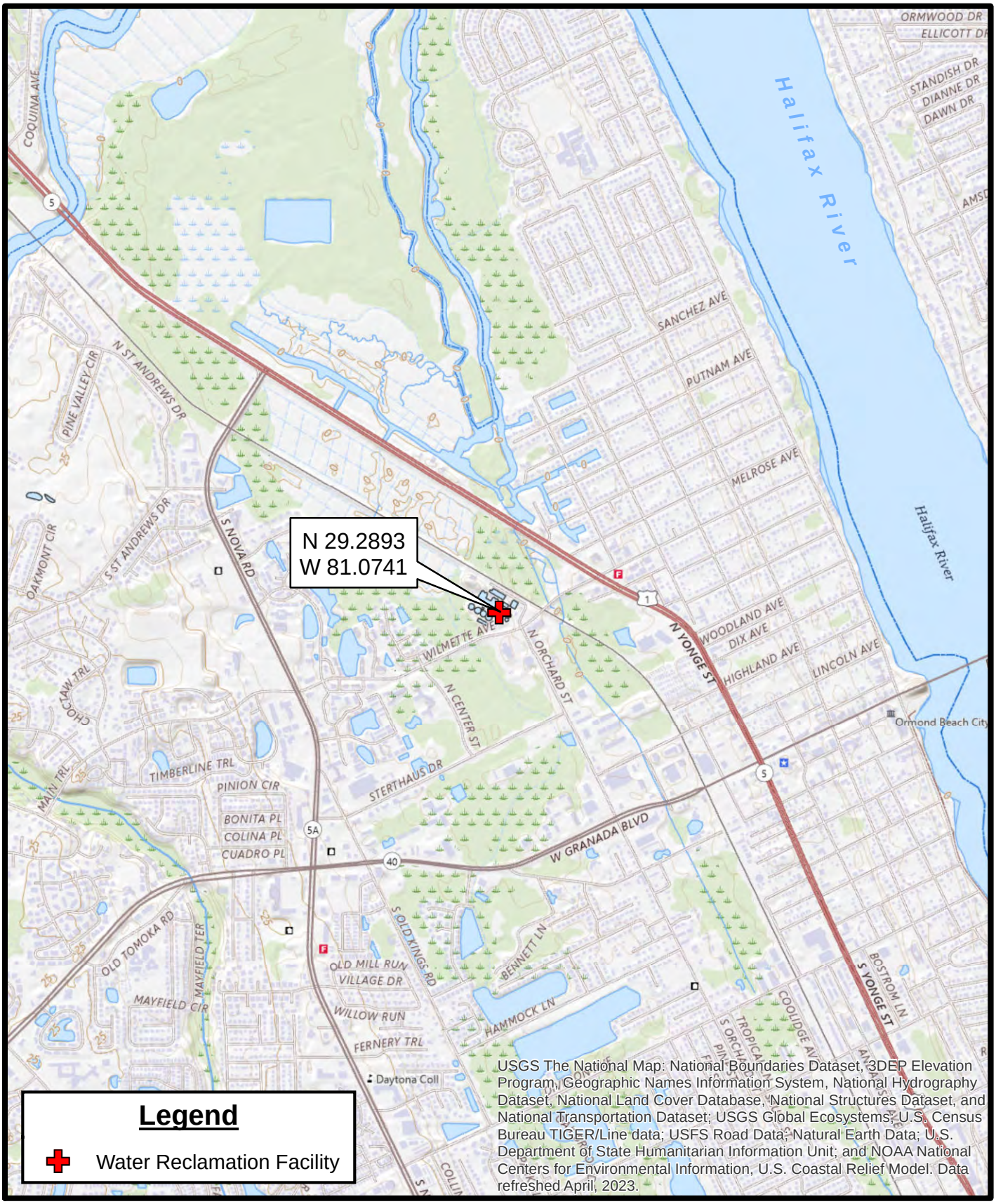
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.




**WATER RECLAMATION FACILITY - SCALE MAP**
**550 N ORCHARD STREET**
**(4240-04-00-0160)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 18, 2025

N
W E
S
1 inch = 150 feet




**WATER RECLAMATION FACILITY - USGS TOPO MAP**
**550 N ORCHARD STREET**
**(4240-04-00-0160)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 18, 2025

N
W E
S
1 inch = 2,000 feet




**WATER RECLAMATION FACILITY - LAND USE MAP**
**550 N ORCHARD STREET**
**(4240-04-00-0160)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 18, 2025

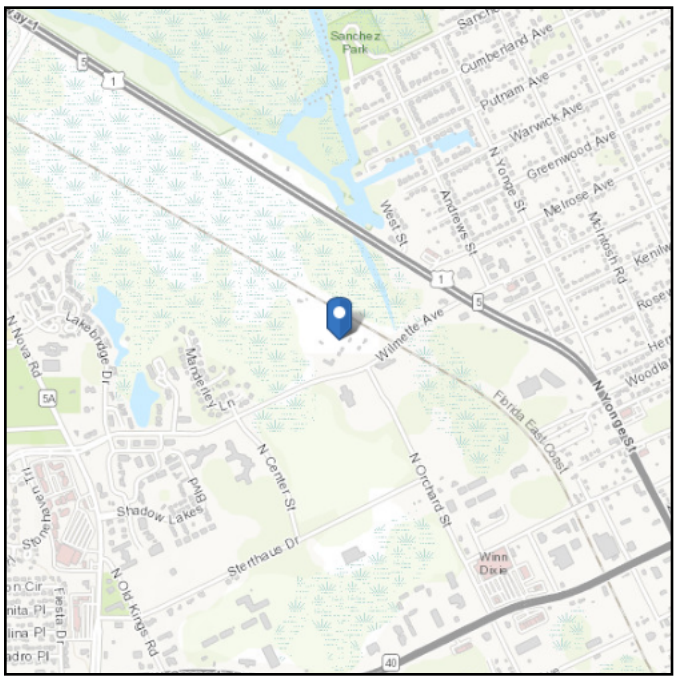
N
W E
S
1 inch = 200 feet

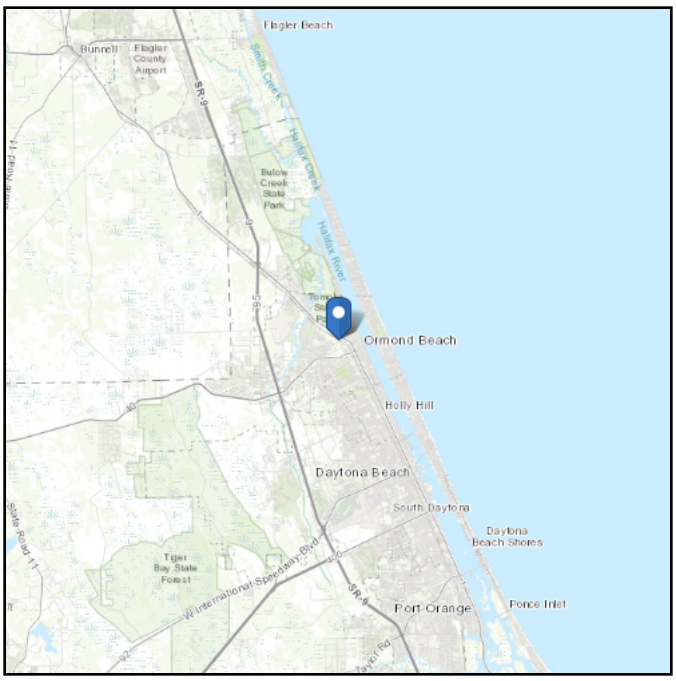
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** I
**Soil Class:** Default

**Latitude:** 29.2893
**Longitude:** -81.0741
**Elevation:** 4.01298804508228 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 126 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 135 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1A and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 15% probability of exceedance in 50 years (annual exceedance probability = 0.00333, MRI = 300 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings need not be protected against wind-borne debris.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

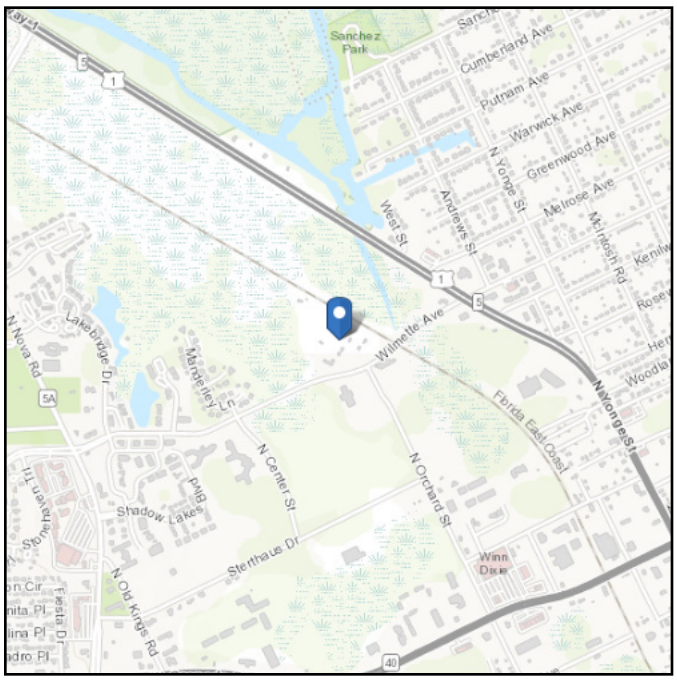
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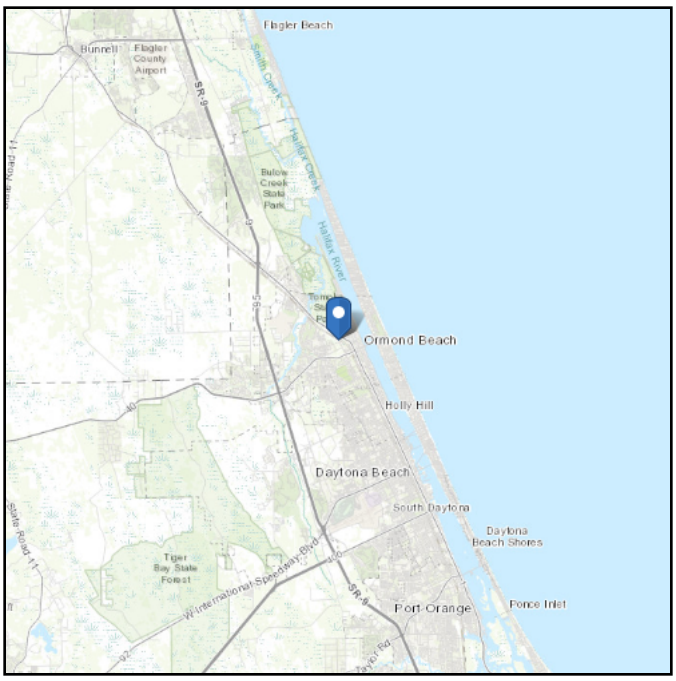
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# ASCE Hazards Report

**Address:**
No Address at This Location

| | | | |
|---|---|---|---|
| **Standard:** | ASCE/SEI 7-22 | **Latitude:** | 29.2893 |
| **Risk Category:** | II | **Longitude:** | -81.0741 |
| **Soil Class:** | Default | **Elevation:** | 4.01298804508228 ft (NAVD 88) |




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 135 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 135 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings need not be protected against wind-borne debris.

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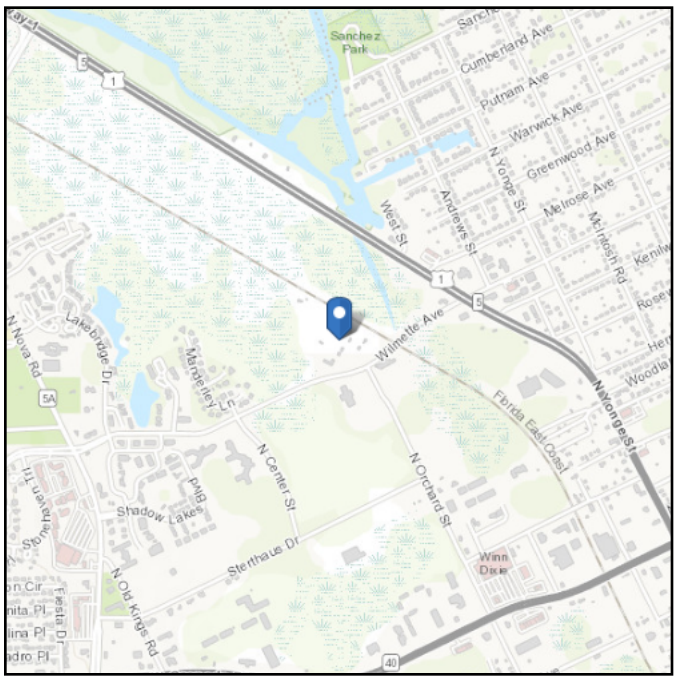
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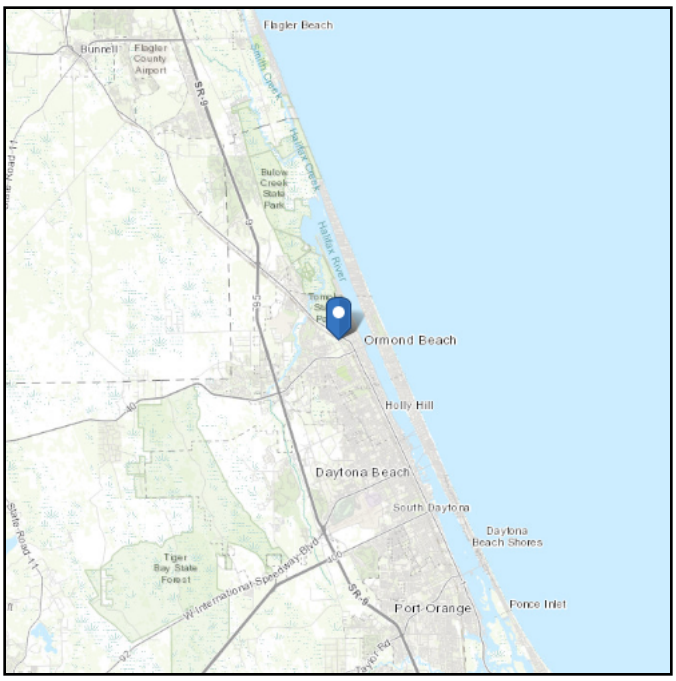
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** III
**Soil Class:** Default

**Latitude:** 29.2893
**Longitude:** -81.0741
**Elevation:** 4.01298804508228 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 146 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 135 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1C and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

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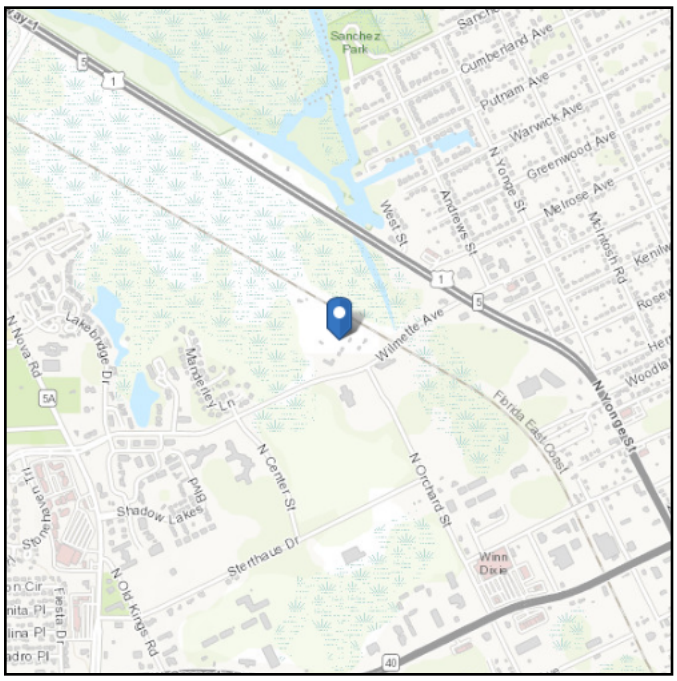
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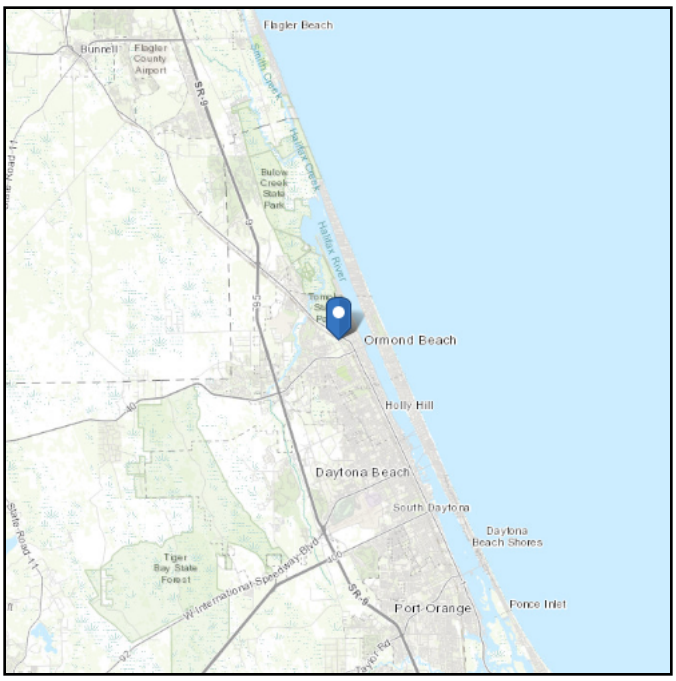
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# ASCE Hazards Report

**Address:**
No Address at This Location

| | | | |
|---|---|---|---|
| **Standard:** | ASCE/SEI 7-22 | **Latitude:** | 29.2893 |
| **Risk Category:** | IV | **Longitude:** | -81.0741 |
| **Soil Class:** | Default | **Elevation:** | 4.01298804508228 ft (NAVD 88) |




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 152 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 135 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1D and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 1.6% probability of exceedance in 50 years (annual exceedance probability = 0.00033, MRI = 3,000 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

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# Environmental & Historic Preservation Worksheet

For preliminary Environmental and Historic Preservation review conducted by the State Mitigation Technical Team

**Important**: The State of Florida Mitigation Technical Unit will conduct the Environmental and Historic Preservation (EHP) Review for your project and the following information is needed. Once a preliminary review of the application and worksheet is conducted, the assigned Environmental Specialist will reach out with any questions or needs for clarification.

**Note**: A completed EHP Worksheet will expedite the Technical Review. Completion of this worksheet does not guarantee additional information will not be required. If additional information or clarification is needed during application review, the reviewer will contact you.

## Requirements

The following information is the minimum amount of technical information required to complete the EHP review. Data collected in this document will provide reviewers with preliminary information necessary to evaluate potential environmental impacts.

All projects require an EHP review conducted by the technical team in order to achieve funding.

## Section I – Project General Information

| | |
|---|---|
| Project Name: City of Ormond Beach, Water Reclamation Facility Pump Station Replacement | Worksheet completed by:<br>Name: Shawn Finley<br>Title: Assistant City Manager<br>Phone: 386-676-3582<br>Email: Shawn.Finley@ormondbeach.org |
| Sub-Applicant: | |

**For additional information and resources, please refer to FEMA's Environmental Planning and Historic Preservation checklist for Hazard Mitigation Assistance Application Reviews.**

## Section II – Project Location

*The table below allows data for up to 8 locations. If your project has more than 8 locations, you can either submit a second EHP Worksheet or attach a separate list providing the information requested below and in Section III.*

| ID | Project Location | Coordinates | *Age of Structure | Ground Disturbance? | Critical Action |
|---|---|---|---|---|---|
| 1. | 550 North Orchard Street, Ormond Beach, Florida 32174 | 29.289733, -81.075296 | 50 years | -Select- | -Select- |
| 2. | | | | -Select- | -Select- |
| 3. | | | | -Select- | -Select- |
| 4. | | | | -Select- | -Select- |
| 5. | | | | -Select- | -Select- |
| 6. | | | | -Select- | -Select- |
| 7. | | | | -Select- | -Select- |
| 8. | | | | -Select- | -Select- |

**Applicable only if the proposed project involves a structure.*

## Section III –Environmental Details

| ID | Flood Zone | FIRM Panel # | Panel Date | Preliminary Panel Available? | Preliminary Flood Zone | Preliminary Panel # | In a Wetland or Waterbody? | Seaward of CCCL? |
|---|---|---|---|---|---|---|---|---|
| 1. | AE | 12127C0212K | 9/29/2017 | -Select- | | | No | No |
| 2. | | | | -Select- | | | -Select- | -Select- |
| 3. | | | | -Select- | | | -Select- | -Select- |
| 4. | | | | -Select- | | | -Select- | -Select- |
| 5. | | | | -Select- | | | -Select- | -Select- |
| 6. | | | | -Select- | | | -Select- | -Select- |
| 7. | | | | -Select- | | | -Select- | -Select- |
| 8. | | | | -Select- | | | -Select- | -Select- |

## Section IV – Additional Information

Please use this page to expand on the information provided above or to include any additional information relevant to the proposed mitigation project.

## Section V – Minimum Required Supporting Documents Checklist

Below are the minimum supporting documents that each project needs in order to conduct an EHP Review. Please check each item off as they are uploaded into the application.

| | |
|---|---|
| Aerial Map | ✔ |
| Photographs | |
| FIRM/FIRMette | ✔ |
| Age Verification Documentation | |
| 1:24,000 Topographic Map | ✔ |

## Section VI – Additional Supporting Documents Checklist

Below are additional supporting documents that may be required in order to conduct an EHP Review. Please check each item off as they are uploaded into the application as applicable.

| | |
|---|---|
| Ground Disturbance Map | |
| Public Notice Draft | |
| USACE/FDEP Section 404 Permit | |
| Environmental Resource Permit (ERP) | |
| Upstream/Downstream Impact Letter | |

# ENVIRONMENTAL & HISTORIC PRESERVATION WORKSHEET INSTRUCTIONS

Refer to the instructions below to complete the Environmental and Historic Preservation Worksheet using the best available data.

## Section I: Project General Info

**Project Name:** Enter the name of the project title. This title should be the same as described on the application and other attachments.
**Sub-Applicant:** Enter your organization's legal name.
**Worksheet completed by:** Enter name, title, phone number, and email of the person completing this worksheet.

## Section II: Project Location

**Project Location:** Provide a full description of the specific geographical location(s) such as address(es).
**Coordinates:** Provide latitude and longitude coordinates in decimal degree format (Example: 12.345678, -87.654321) for the location of project activities.
**Age of Structure:** The age of the structure where work will be performed. If no structure is involved, put "N/A."
**Ground Disturbance:** Will any groundwork occur to implement the project? Common ground disturbing activities include installation of concrete pads, site preparations, running electrical conduits, trenching, directional boring, and excavation. If ground disturbing activities are occurring, a Ground Disturbance Map is required to be attached to the application. See Section IV instructions for more details.
**Critical Action**: Is the project a critical action. Critical actions are definite as an action for which even a slight change of flooding is too great. Activities related to a critical action must be protected to against a 500-year (0.2% annual chance) flood event. Examples of critical actions would be eligible generator projects or actions related to critical facilities.

## Section III: Environmental Details

**Flood Zone:** List all flood zones that the project activities will be within. Flood mapper: https://msc.fema.gov/portal/home.
**FIRM Panel:** List all FIRM Panel Number(s) that a location will be in.
**Preliminary Panel Available:** Is there a pending Preliminary FIRM Panel for the project area? Yes or No.
**Preliminary Panel #:** List all Preliminary FIRM Panel Number(s) that a location will be in.
**In a Wetland or Waterbody:** Is the project in a wetland or a body of water? Wetland Mapper: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/.
**Seaward of CCCL:** Does the project have activities seaward of the Coastal Construction Control Line (CCCL). CCCL Mapper: https://ca.dep.state.fl.us/mapdirect/?webmap=a8c9e92fbad5446d987a8dd4ee5dc5cc.

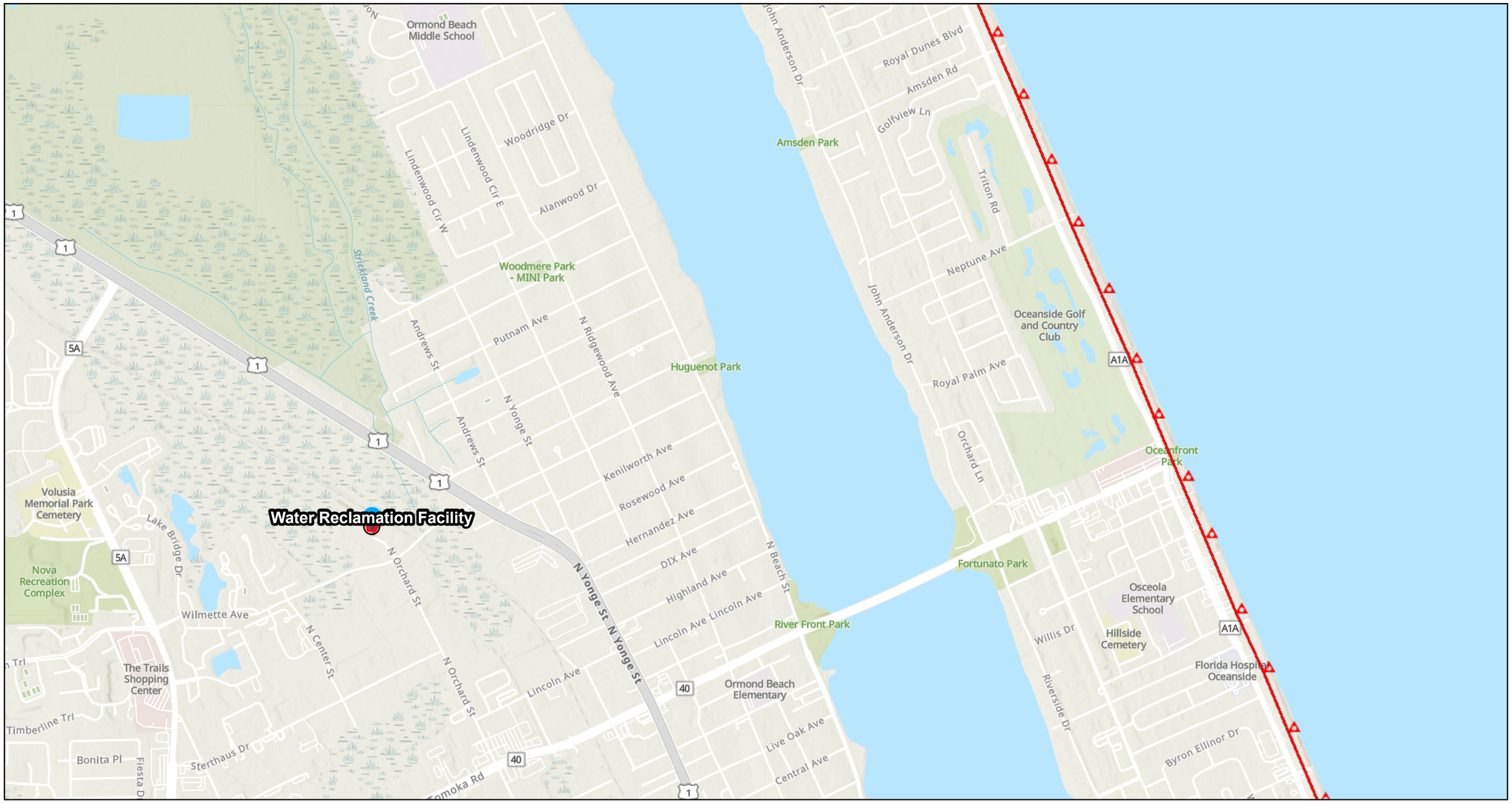
## Section V: Minimum Required Supporting Documents Checklist

**Aerial Map:** A good aerial map will contain a clear indication of where the project will be occurring and will include coordinates to the project area.
**Photographs:** Photos should be clear and represent the project area. Labels should indicate what the photos contain. Photos should show all sides of a structures if included in project activities.
**FIRM/FIRMette:** Project location should be clearly indicated on the map.
**Age Verification Documentation:** Documentation that shows the year the structure was built. As-builts or property appraiser website information are the most common forms of documentation.
**1:24,000 Topographic Map:** A topographic map with a scale of 1:24,000 with the project location outlined/ indicated.

## Section VI: Additional Supporting Documents Checklist

**Ground Disturbance Map:** Required for project that includes any ground disturbance. The map shall include activities clearly outlined, coordinates for ground disturbance, area dimensions, and depth of disturbance.
**Public Notice Draft:** Required for flood mitigation projects, critical actions in a Shaded X flood zone or greater, or any project type in a Special Flood Hazard Area (SFHA). Only a draft should be submitted with the application, the reviewer will reach out when it is the appropriate time to post. The template can be found under the Application Section at https://www.floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/.
**USACE/FDEP Section 404 Permit:** A Section 404 Permit or notice of No Permit Required (NPR) is needed for any project that is in or affects a wetland or body of water. Florida has 2 agencies that provide this permit, US Army Corps of Engineers and Florida Department of Environmental Protection. To determine which jurisdiction your project area falls into, use the following link. Please note that projects falling under multiple jurisdictions will require permits or NPRs from both agencies. https://fdep.maps.arcgis.com/apps/webappviewer/index.html?id=2cb8724cfd18408db80c8f2d7bb68a2e.
**Upstream/Downstream Impact Letter:** Drainage projects ready for construction require a letter from the Professional of Record stating if the project will have any upstream or downstream impacts.

# Coastal Construction Control Line




June 18, 2025

CCCL

Coastal Range Monuments

Range Monuments

550 North Orchard Street, Ormond Beach, FL 32174

1:18,056

0 0.2 0.4 0.8 mi

0 0.3 0.6 1.2 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, FDEP, WRM, BCMS

Map created by Map Direct, powered by ESRI.

Florida Department of Environmental Protection makes no warranty,expressed or implied,or assumes any legal liability or responsibility for the accuracy,completeness,or usefulness of any information,apparatus,product,or process disclosed,or represents that its use would not infringe privately owned rights.

OMB Number: 4040-0004
Expiration Date: 12/31/2022

## Application for Federal Assistance SF-424

* 1. Type of Submission:
- [ ] Preapplication
- [x] Application
- [ ] Changed/Corrected Application

* 2. Type of Application:
- [x] New
- [ ] Continuation
- [ ] Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

4. Applicant Identifier: HMGP MILTON WRF

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

**State Use Only:**

6. Date Received by State:

7. State Application Identifier: Florida

**8. APPLICANT INFORMATION:**

* a. Legal Name: City of Ormond Beach

* b. Employer/Taxpayer Identification Number (EIN/TIN): 59-6000398

* c. UEI: P7N5EWNDK217

**d. Address:**

* Street1: 22 South Beach Street
Street2:
* City: Ormond Beach
County/Parish: Volusia
* State: FL: Florida
Province:
* Country: USA: UNITED STATES
* Zip / Postal Code: 32174-6836

**e. Organizational Unit:**

Department Name: Public Works

Division Name: Utilities

**f. Name and contact information of person to be contacted on matters involving this application:**

Prefix:
* First Name: Loretta
Middle Name:
* Last Name: Moisio
Suffix:

Title: Grants Coordinator

Organizational Affiliation: City of Ormond Beach

* Telephone Number: 3866763315
Fax Number:

* Email: Loretta.Moisio@ormondbeach.org

## Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

FEMA

**11. Catalog of Federal Domestic Assistance Number:**

97-039

CFDA Title:

Hazard Mitigation Grant Program

*** 12. Funding Opportunity Number:**

DR-4834-FL

* Title:

Hurricane Milton

**13. Competition Identification Number:**

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Water Reclamation Facility Influent Pump Station Replacement

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

## Application for Federal Assistance SF-424

**16. Congressional Districts Of:**

* a. Applicant: 6 * b. Program/Project: 6

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment | Delete Attachment | View Attachment

**17. Proposed Project:**

* a. Start Date: 01/01/2026 * b. End Date: 12/31/2029

**18. Estimated Funding ($):**

| | |
|---|---|
| * a. Federal | 6,225,000.00 |
| * b. Applicant | 2,075,000.00 |
| * c. State | |
| * d. Local | |
| * e. Other | |
| * f. Program Income | |
| * g. TOTAL | 8,300,000.00 |

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on

☒ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☐ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

**21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

| | |
|---|---|
| Prefix: | |
| * First Name: | Joyce |
| Middle Name: | |
| * Last Name: | Shanahan |
| Suffix: | |
| * Title: | City Manager |
| * Telephone Number: | 3866763200 |
| Fax Number: | |
| * Email: | Joyce.Shanahan@ormondbeach.org |
| * Signature of Authorized Representative: | |
| * Date Signed: | |

# ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property aquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.

4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.

5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.

6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.

14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

| SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL | TITLE<br>City Manager |
|---|---|
| APPLICANT ORGANIZATION<br>City of Ormond Beach | DATE SUBMITTED |

**SF-424D (Rev. 7-97) Back**

Print Form

# AUTHORIZING AGENT APPROVAL

For those entities applying for the Hazard Mitigation Grant Program (HMGP), assurance is needed to ensure that non-federal funds are, or will be, secured for the proposed action by the project start date. An Authorizing Agent's signature is needed to provide this. An Authorizing Agent is the chief elected official of a local government who has signature authority, such as a Chairperson of the Board of County Commissioners for a County, the Mayor of a municipality, or an elected Board Member for a private non-profit. Any entity may delegate this authority to a subordinate official by resolution of the governing body. If this is the case, Proof of Authorization must be provided as a separate attachment in Section VI of the relevant HMGP application in DEMES. This form must be fully completed, signed, and submitted into DEMES for an application to be received by FDEM. Applicants will be prompted for this form in the final step of the DEMES HMGP application. Ensure that the information provided here matches the relevant DEMES application. For questions, please email DEM_HazardMitigationGrantProgram@em.myflorida.com.

## PROJECT INFORMATION

| | |
|---|---|
| APPLICANT (ENTITY): | City of Ormond Beach |
| COUNTY: | Volusia |
| FEMA DISASTER: | FEMA-4834-DR-FL |
| PROJECT TITLE: | Water Reclamation Facility Influent Pump Station Replacement |
| TOTAL PROJECT COST: | $8,300,000.00 |
| FEDERAL SHARE: | $6,225,000.00 |
| NON-FEDERAL SHARE: | $2,075,000.00 |

## AUTHORIZING AGENT

| | |
|---|---|
| FIRSTNAME: | Joyce |
| LAST NAME: | Shanahan |
| TITLE: | City Manager |
| ADDRESS: | 22 South Beach Street |
| CITY: | Ormond Beach |
| STATE: | Florida |
| ZIP CODE: | 32174 |
| PHONE: | 386-676-3200 |
| EMAIL: | Joyce.Shanahan@ormondbeach.org |

The undersigned assures fulfillment of all requirements of the Hazard Mitigation Grant Program, as contained in the program guidelines, and affirms that all information contained in this application is true and correct to the best of my knowledge. The governing body of the applicant duly authorized the document, and hereby applies for the assistance documented in this application.

AUTHORIZING AGENT SIGNATURE

July 22, 2025
DATE

☒ Proof of Authorization – Delegation of Authority attached in Section VI

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.D. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Hazard Mitigation Grant Program Submittal - Water Treatment Plant Generator Replacement | | |
| **Recommended Action** | Staff recommends approval of the submission of the grant application for the replacement of the fixed generator at the Water Treatment Plant to FEMA's HMGP grant program. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Assistant City Manager<br>Shawn Finley, Assistant City Manager | | |


Summary

This is a request to authorize the submittal of an online grant application for the replacement of the fixed generator at the Water Treatment Plant to the Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program (HMGP) under Federal Disaster declaration for Hurricane Milton (FEMA-4834-DR-FL). The HMGP provides grants to local governments to implement long-term hazard mitigation measures after major disaster declarations.

The replacement of the fixed generator at the Water Treatment Plant will ensure continuity of operations during disaster events and power surges. Without continuous power, there is a risk that the community may lose access to treated drinking water during major events. The existing generator, an 1100 KW Cummins, provides power to the lime softening portion of the plant and was installed in 2002. This project will include the design, procurement of a new generator and new automatic switchgear, installation, and construction activities.

Application criteria require that state/local governments have an approved Local Mitigation Strategy (LMS) to be eligible to apply and require that projects submitted are a part of the LMS. The City participates in the Volusia County LMS and these projects were submitted, approved, and are included in the LMS project listing attached. Since Volusia County was directly affected by Hurricane Milton, projects within Volusia County are eligible for Tier 1 funding. The deadline for application submittal to the Florida Department of Emergency Management (FDEM) is July 25, 2025.


Financial Impact

If approved, FEMA will pay up to 75% of the cost. Cost is estimated to be $1,610,000 (HMGP share $1,207,500; City share $402,500). Funding will be derived from Fund 409-Water & Wastewater Capital Improvement Fund.

Citizen Impact

This project will ensure the City's ability to provide continuity of safe drinking water during emergency situations.

Attachments

1. 25-105 HMGP WTP Generator (P25-0088G)
2. WTP Generator - DRAFT HMGP Application 2025

**RESOLUTION NO. 2025-105**

A RESOLUTION AUTHORIZING THE SUBMITTAL OF A GRANT APPLICATION TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THE HAZARD MITIGATION GRANT PROGRAM FOR FUNDING ASSISTANCE TO REPLACE THE FIXED GENERATOR AT THE WATER TREATMENT PLANT; AUTHORIZING THE EXECUTION OF ALL DOCUMENTS INCIDENTAL THERETO, INCLUDING ANY CONTRACT NECESSARY FOR THE CITY TO ACCEPT THE GRANT AWARD; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** the City Commission desires to replace the fixed generator at the Water Treatment Plant at an estimated cost of $1,610,000.00 ("the Project"), and

**WHEREAS**, the Federal Emergency Management Agency has a current grant cycle open under the Hazard Mitigation Grant Program from which the City can request maximum funding assistance in the amount of $1,207,500.00 (75% of Project cost), and

**WHEREAS**, the City Commission desires to submit a grant application to the Federal Emergency Management Agency under the Hazard Mitigation Grant Program (a copy of which is attached hereto and incorporated herein by reference) for the purpose of obtaining funding assistance in the amount of $1,207,500.00 for the Project, and

**WHEREAS**, the City is required to make a matching contribution of at least $402,500.00, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, VOLUSIA COUNTY, FLORIDA, THAT:**

**SECTION ONE.** The City Manager or her designee is hereby authorized and directed to submit a grant application, including any and all documents that are necessary and incidental thereto, to the Federal Emergency Management Agency under the Hazard Mitigation

Grant Program in the amount of $1,207,500.00 for funding assistance to replace the fixed generator at the Water Treatment Plant.

**SECTION TWO.** The Mayor and City Manager are hereby further authorized and directed to execute any contract, including any and all documents that are necessary and incidental thereto, for the City to accept the grant award.

**SECTION THREE.** The City Manager hereby certifies that the City's matching funds in the amount of $402,500.00 will be derived from the Capital Improvement Program Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025**.

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**THIS SECTION FOR STATE USE ONLY**

**FEMA-____-DR-FL** ☐ **Standard HMGP** ☐ **5% Initiative Application** ☐ **Application Complete**
☐ **Initial Submission or** ☐ **Re- Submission**

| **Support Documents** | **Eligible Applicant** | **Project Type(s)** |
|---|---|---|
| ☐ **Conforms w/ State 409 Plan** | ☐ **State or Local Government** | ☐ **Wind** |
| ☐ **In Declared Area** | ☐ **Private Non-Profit (Tax ID Received)** | ☐ **Flood** |
| ☐ **Statewide** | ☐ **Recognized Indian Tribe or Tribal Organization** | ☐ **Other**: |

**Community NFIP Status:** (Check all that apply)
☐ **Participating Community ID#:**__ _____ __
☐ **In Good Standing** ☐ **Non-Participating** ☐ **CRS**

**LMS Ranking:** _____
**County:** _____

**State Application ID:** _____

(TIME-DATE STAMP HERE)

This application is for all Federal Emergency Management Agency (FEMA Region IV) Hazard Mitigation Grant Program (HMGP) proposals. Complete ALL sections and provide the documents requested. If you require technical assistance, contact the Florida Division of Emergency Management at **DEM_HazardMitigationGrantProgram@em.myflorida.com.**

## Section I – Applicant

**A. Applicant Instruction:** Complete all sections that correspond with the type of proposed project

| | |
|---|---|
| ***Application Sections I-IV*:** | *All* Applicants must complete these sections |
| ***Environmental Review:*** | *All* Applicants must complete these sections |
| ***Maintenance Agreement:*** | *Any* Applications involving public property, public ownership, or management of property |
| ***Flood Control – Drainage Improvement Worksheet:*** | *Acquisition, Elevation, Dry Flood Proofing, Drainage Improvements, Flood Control Measures, Floodplain and Stream Restoration, and Flood Diversion* ***– one worksheet per structure*** |
| ***Generator Worksheet:*** | *Permanent, portable generators, and permanent emergency standby pumps* |
| ***Tornado Safe Room Worksheet:*** | *New Safe Room, Retrofit of existing structure, Community Safe Room, Residential Safe Room* |
| ***Hurricane Safe Room Worksheet:*** | *New Safe Room, Retrofit of existing structure* |
| ***Wind Retrofit Worksheet:*** | *Wind Retrofit projects only – one worksheet per structure* |
| ***Wildfire Worksheet:*** | *Defensible Space, Hazardous Fuels Reduction, Ignition Resistant Construction, other* |
| ***Drought Worksheet:*** | *Aquifers, other* |
| ***Utility Mitigation Worksheet*** | *Upgrades to sewer systems, upgrading electrical components for a utility, undergrounding electrical systems, etc.* |
| ***Request for Public Assistance Form:*** | FEMA Form 90-49 (Request for Public Assistance): *All* applicants must complete, if applicable. |
| ***Acquisition Forms:*** | If project type is Acquisition, these forms must be completed.<br>(Only one of the two *Notice of Voluntary Interest* forms is necessary.)<br>*Model Statement of Assurances for Property Acquisition Projects*<br>*Declaration and Release*<br>*Notice of Voluntary Interest (Town Hall Version)*<br>*Notice of Voluntary Interest (Single Site Version)*<br>*Statement of Voluntary Participation*<br>*FEMA Model Deed Restriction Language* |
| ***Application Completeness Guidance / Checklist :*** | All applicants are recommended to complete this checklist and utilize the guidance for completing the application. |

## B. Applicant Information:

**FEMA-4834-DR-FL** **DISASTER NAME: Hurricane Milton**

**Title of Project: City of Ormond Beach, Water Treatment Plant Generator Replacement**

1. Applicant (Organization): **City of Ormond Beach**
2. Applicant Type: ☒ State or Local Government ☐ Native American Tribe ☐ Private Non-Profit ☐ Special District
3. County: **Volusia**
4. State Legislative Senate District(s): **7**; State Legislative House District(s): **28** ;
   Congressional House District(s): **6**
5. Federal Tax I.D. Number: **59-6000398**
6. Data Universal Numbering System (DUNS): **087320164**
7. Federal Information Processing Standards (FIPS) Code*: **12127** *(*if your FIPS code is not known, see guidance)*
8. National Flood Insurance Program (NFIP) Community Identification Number: **125136**
   *(this number can be obtained from the FIRM map for your area)*
9. **Point of Contact:** (Applicant staff serving as the coordinator of project)

   ☐Ms. ☒Mr. First Name: **Shawn** Last Name: **Finley**
   Title: **Assistant City Manager**
   Address: **22 South Beach Street**
   City: **Ormond Beach** State: **FL** Zip Code: **32174**
   Telephone: **386-676-3582** Email: Shawn.Finley@ormondbeach.org
10. **Application Prepared by:**

    ☒Ms. ☐Mr. First Name: **Loretta** Last Name: **Moisio**
    Title: **Grants Coordinator**
    Address: **22 South Beach Street**
    City: **Ormond Beach** State: **FL** Zip Code: **32174**
    Telephone: **386-676-3315** Email: Loretta.Moisio@ormondbeach.org
    Organization: **City of Ormond Beach**
11. **Authorized Applicant Agent** ***(proof of authorization authority required)***

    ☒Ms. ☐Mr. First Name: **Joyce** Last Name: **Shanahan**
    Title: **City Manager**
    Address: **22 South Beach Street**
    City: **Ormond Beach** State: **FL** Zip Code: **32174**
    Telephone: **386-676-3200** Email: **Joyce.Shanahan@ormondbeach.org**

    **Signature**: _____

    **Date**: _____
12. Local Mitigation Strategy (LMS) Compliance
    a. All proposed projects must be included in the county's Local Mitigation Strategy (LMS) Project List, and on file with FDEM's Mitigation Bureau Planning Unit. Does your jurisdiction have a current FEMA Approved Mitigation Plan and this project is listed? ☒ Yes ☐ No
    b. Attached is a letter of endorsement for this project from the county's LMS Coordinator. ☒ Yes ☐ No
    Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.
    c. The LMS project list and endorsement letter both have an estimated cost column and Federal Share amount that is within $500.00 between the two. ☒ Yes ☐ No
13. Has this project been submitted under a previous disaster event? ☒ No
    ☐ Yes, provide the disaster number and project number (as applicable): _____

## Section II – Project Description

### A. Hazards to be Mitigated / Level of Protection

1. Select the type of hazards the proposed project will mitigate:
   ☒ Flood ☒ Wind ☒ Storm surge ☒ Wildfire ☒ Other *(list):* _____

2. Identify the type of proposed project:
   ☐ Elevation and retrofitting of residential or non-residential structure
   ☐ Acquisition and Relocation ☐ Acquisition and Demolition
   ☐ Wind retrofit ☐ Drainage project that reduces localized flooding
   ☒ Generator ☐ Other (explain) _____

3. List the total number of persons that will be protected by the proposed project (*include immediate population affected by the project only*):

   **51,162**

4. List how many acres of "Total Impacted Area" is to be protected by the proposed project (*include immediate area affected by the project only*):

   **30,252**

5. Fill in the level of protection and the magnitude of event the proposed project will mitigate. *(e.g. 23 structures protected against the 100-year storm event (1% chance)*

   _____ structure(s) protected against the _____ -year storm event *(10, 25, 50, 100, or 500 year storm event*)

   _____ structure(s) protected against _____ mile per hour (mph) winds

6. Check **all** item(s) the project may impact:
   ☐ Wetlands ☒ Water Quality ☐ Previously Undisturbed Soil
   ☐ Floodplain ☐ Coastal Zone ☐ Toxic or Hazardous Substances
   ☐ Historic Resources ☐ Fisheries ☐ Threatened & Endangered Species
   ☐ Vegetation Removal ☐ Public Controversy ☐ Potential for Cumulative Impacts
   ☐ Health & Safety ☐ Other _____

7. ***Engineered projects:*** *If* your project has been already designed and engineering information is available, attach to your application **ALL** calculations, H&H study and design plans (e.g. Drainage Improvement, Erosion Control, or other special project types). ☐ No ☐ Yes If so, see Attachment #(s) _____.

### B. Project Description, Scope of Work, and Protection Provided (Must be Completed in Detail)

Describe, in detail, the existing problem, the proposed project, and the scope of work. Explain how the proposed project will ***solve*** the problem(s) and provide the level(s) of protection described in Part A. Also, if available, attach a vendor's estimate and/or a contractor's bid for the scope of work. ***Ensure that each proposed project is mitigation and not maintenance***.

1. Describe the existing problems:

   **The City of Ormond Beach is seeking replacement of a fixed generator at its Water Treatment Plant (WTP), located at 298 Tomoka Avenue, in order to ensure continuity of operations during disaster events and power surges. Without continuous power to the WTP, there is a risk that the community may lose access to treated drinking water during major events. The existing generator, an 1100 KW Cummins, provides power to the lime softening portion of the WTP and was installed in 2002.**

2. Describe the type(s) of protection that the proposed project will provide:

   _____

3. Scope of Work (describe in detail what you are planning to do):

   _____

4. Describe any other on-going or proposed projects in the area that may impact, positively or negatively, the proposed HMGP Project:

   _____

## Section III – Project Location *(Fully describe the location of the proposed project.)*

### A. Site

1. Describe the physical location of this project, including street numbers (or neighborhoods) and project site zip code(s). Provide precise longitude and latitude coordinates for the site utilizing a hand-held global positioning system (GPS) unit or the equivalent:

   Site Location: **Water Treatment Plant**
   Address(es): **298 Tomoka Avenue**
   GPS coordinates (decimal degree format): **29.280560, -81.062826**
   Project Zip Code(s): **32174**

2. Titleholder: **City of Ormond Beach**

3. Is the project site seaward of the Coastal Construction Control Line (CCCL)? ☐ Yes ☒ No

4. Provide the number of each structure type (listed below) in the project area that will be affected by the project. Include ***all*** structures in project area.

   ☐ Residential property: _____ ☐ Public buildings: _____
   ☐ Businesses/commercial property: _____ ☐ Schools/hospitals/houses of worship: _____
   ☐ Other: _____

### B. Flood Insurance Rate Map (FIRM) Showing Project Site

| | | |
|---|---|---|
| 1. ☒ | Attach one (1) copy of the FIRM map, a copy of the panel information from the FIRM, and, if available, the Floodway Map. ***FIRM maps are required for this application (if published for your area). Also, all attached maps must have the project site and structures clearly marked on the map***. FIRMs are typically available from your local floodplain administrator who may be located in a planning, zoning, or engineering office. Maps can also be ordered from the Map Service Center at 1-800-358-9616. For more information about FIRMs, contact your local agencies or visit the FIRM site on the FEMA Web-page at https://msc.fema.gov/portal. | |
| 2. Using the FIRM, determine the flood zone(s) of the project site (Check all zones in the project area) *(See FIRM legend for flood zone explanations) (A Zone must be identified)* | | |
| ☐ | VE or V 1-30 | ☒ AE or A 1-30 |
| ☐ | AO or AH | ☐ A (no base flood elevation given) |
| ☐ | B or X (shaded) | ☐ C or X (unshaded) |
| ☐ | Floodway | ☐ |
| ☐ | Coastal Barrier Resource Act (CBRA) Zone (Federal regulations strictly limit Federal funding for projects in this Zone; coordinate with your state agency before submitting an application for a CBRA Zone project). | |
| 3. ☐ | **If the FIRM Map for your area is not published**, attach a copy of the Flood Hazard Boundary Map (FHBM) for your area, with the project site and structures clearly marked on the map. | |
| 4. ☐ | Attach a copy of a Model Acknowledgement of Conditions for Mitigation in Special Flood Hazard Area | |

### C. Maps with Project Site and Photographs

1. ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the project site and structures marked on the map.
2. ☒ Attach a USGS 1:24,000 TOPO map with project site ***clearly*** marked on the map.
3. ☐ For **acquisition** or **elevation** projects, include copy of Parcel Map (Tax Map, Property Identification Map, etc.) showing each property to be acquired or elevated. Include the Tax ID numbers for each parcel, and Parcel information – including year built and foundation.
4. ☐ Attach photographs (at a minimum 4 photographs) for each project site per application. The photographs should be representative of the project area, including any relevant streams, creeks, rivers, etc. and drainage areas that affect the project site or will be affected by the project, and labeled. For each structure, include the following angles: front, back and both sides.

## Section IV – Budget/Costs

In order to assist applicants with filling out the following Budget section, we have provided the following instructions for your convenience. For this section, we ask that you provide details of all the estimated costs of the project, as it is used for the benefit-costs analysis as well as for the feasibility and effectiveness review.

For the cost sections relating to Materials, Labor, and Fees, it is important to note,

- Lump sums without supporting documentation showing a breakdown of those costs are not acceptable. For those items that will not fit in the spaces provided, attach the appropriate documentation to your application.
- Identify your match sources in sections B and I.
- Sub-Total cells will auto sum the costs in their respective columns.
- Do not factor management costs into parts A-C. If management costs are being requested, see part G.
- Contingency Costs need to be justified and reported as a separate line item in part E of this section. From left to right in that part, enter the desired percentage (maximum 5% of Material/Labor), the amount the percentage is to be applied to, and the resulting amount. **PLEASE NOTE**- These cells will not auto-calculate across the row, but the final cell will be calculated into the Final Project Cost below it. Take care that everything is calculated correctly.
- Pre-Award Costs: costs must be identified as a separate line item, AND a completed HMGP Pre-Award Cost Request Form MUST be submitted with this application, detailing the items/cost and requested start date.
- Mark all In-kind (donated) services with (**); In-house (employee) services with (***), per each line item.
- All funding sources (In-kind, In-house, Global Match, and Other Agencies) must be identified (below) AND identified on the Funding Sources - Section IV I.

For project management costs, in compliance with Disaster Relief and Recovery Act of 2018 (DRRA) and the subsequent FEMA Interim Policy #104-11-1, the Florida Division of Emergency Management has included a section for applicants to request, or refuse, project management funds that are available to them. Under this new policy, HMGP projects awarded under disasters declared on or after August 1, 2017, are eligible for project management costs up to 5 percent of their total project costs.

Applicants choosing to apply for this funding must detail the specific administrative costs in Part G of this section. These costs must be eligible administrative costs, conforming to the requirements set in 2 CFR Part 200 Subpart E. Applicants must ensure that their administrative costs are reasonable, allowable, allocable, and necessary for the performance of the federal award.

The State will allot these management costs on a project-by-project basis per the amount requested by the sub-recipient, up to 5 percent of the total project cost. A sub-recipient may request less than this, but no higher. These management costs will be considered a separate pool of funding, and **WILL NOT** affect a project's benefit-cost analysis.

Management costs will be reimbursed per reimbursement request, and no more than 5 percent of any given reimbursement request amount. All management costs reimbursements will be contingent upon adequate documentation from the sub-recipient.

Management costs will be reimbursed at 100 percent of the amount of management costs requested, so far as they are adequately documented and are no more than 5 percent of the request. Any unused management costs at closeout following the final payment will be de-obligated. If the final total project cost results in an under-run, management costs will be reduced accordingly.

Applicants must make the determination to request or refuse management costs at the time of formal application submittal. The State will accept the initial determination from the applicant. There will be no recourse from the State for applicants wishing to change their initial determination after the application has been formally submitted.

## A. Materials

| *Item* | *Unit* | *Quantity* | *Cost per Unit* | *Cost* |
|---|---|---|---|---|
| New 1100 KW Generator | LS | 1 | $750,000.00 | $750,000.00 |
| New Switchgear | LS | 1 | $225,000.00 | $225,000.00 |
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| | | | ***Sub-Total*** | **$975,000.00** |

## B. Labor Include equipment costs. Indicate all "soft" or in-kind matches (**).

| *Description* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| Mobilizaton | 1 | $100,000.00 | $100,000.00 |
| Demolition of Existing Equipment | 1 | $75,000.00 | $75,000.00 |
| Electrical Install and Modifications | 1 | $250,000.00 | $250,000.00 |
| | | | |
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| | | ***Sub-Total*** | **$425,000.00** |

## C. Fees Paid Include any other costs associated with the project.

| *Description of Task* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| **Pre-Award* | 100 | $250.00 | $25,000.00 |
| Enginering Design - Principal Engineer | 400 | $160.00 | $64,000.00 |
| Engineering Design - Engineer | 104 | $50.00 | $5,200.00 |
| Design - Administrative Support | 600 | $105.00 | $63,000.00 |
| Design - CADD Design | | | |
| | | | |
| CEI - Principal Engineer | 36 | $220.00 | $7,920.00 |
| CEI - Inspection Engineer | 204 | $120.00 | $44,880.00 |
| | | | |
| | | | |
| | | ***Sub-Total*** | **$210,000.00** |

**D.** **Total Estimated Project Cost** **$1,610,000.0**

**E.** Contingency Costs (maximum 5% of Material/Labor) 5.00% $70,000.00 $70,000.00

**F.** **Final Project Cost** $1,680,000.0

***Note:*** *To be eligible for HMGP Pre-Award costs – the costs must be identified as a separate line item in the estimate above, AND a completed HMGP Pre-Award Cost Request Form MUST be submitted with this application, detailing the items/cost requesting.*

*Mark all In-kind (donated) services with (**); In-house (employee) services with (***), per each line item.*

*All funding sources (In-kind, In-house, Global Match, and Other Agencies) must be identified (above) AND identified on the Funding Sources - Section IV I.*

## G. Project Management Costs

Based on the amount of total project cost being requested in Part D (above), your project is eligible for up to an additional 5% of that amount for project management costs. Indicate below whether or not you would like to request these funds and follow the directions for your selected choice.

**Total Estimated Management Costs Available** (5% of Total Project Costs) *$80,500.00*
*Note: This number will be generated automatically after Part I is completed*

☒ **YES**, I would like to requests these funds (Fill out the itemized table below, then continue to Part I)*

☐ **NO**, I do not wish to request these funds. (continue to Part I)*

| *Description* | *Hours* | *Rate* | *Cost* |
|---|---|---|---|
| *City Engineer* | *170* | *$80.00* | *$13,600.00* |
| *Project Manager* | *700* | *$55.00* | *$38,500.00* |
| *Project Coordinator* | *131* | *$40.00* | *$5,240.00* |
| *Engineering Technician* | *74* | *$45.00* | $3,330.00 |
| *Engineering Inspector* | *661* | *$30.00* | *$19,830.00* |
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## H. Total Estimated Management Costs Requested *$80,500.00*

***Note:** By selecting either “yes” or “no” the applicant is acknowledging that they understand what is being offered to them as it is described in this application.

## I. Funding Sources (round figures to the nearest dollar)

***The maximum FEMA share for HMGP projects is 75%.*** The other 25% can be made up of State and Local funds as well as in-kind services. HMGP funds may be packaged with other Federal funds, but other Federal funds (except for Federal funds that lose their Federal identity at the State level, such as CDBG, and certain tribal funds) may not be used for the Non-Federal share of the costs.

| | | | | | |
|---|---|---|---|---|---|
| 1. | ***Estimated Federal Share*** | $1,207,500.00 | 75 | % of Total | (Maximum 75%) |
| 2. | ***Non-Federal Shares*** | | | | |
| 3. | Estimated Local Shares | $402,500.00 | 25 | % of Total | (Cash) |
| 4. | | | | % of Total | (In-Kind**) |
| 5. | | | | % of Total | (In-House***) |
| 6. | | | | % of Total | (Global Match****) |
| 7. | ***Other Agency Share*** *(Identify Non-Federal Agency and availability date)* | | | % of Total | |
| 8. | ***Total Funding sources from above*** | **$1,610,000.00** | **100.00%** | ***Total*** | (Equals 100%) |

☐ **Identify proposed eligible activities directly related to project to be considered for In-Kind services in Section IV.C. Fees

☐ ***Identify proposed eligible activities directly related to project to be considered for In-House services in Section IV.C. Fees

☐ ****Separate project applications must be submitted for each Global Match project.

Global Match Project Number and Title: _____

| | | | | | |
|---|---|---|---|---|---|
| 9. | ***Total Estimated Management Costs*** | ***Requested*** | | | |
| | | ***Available*** | $80,500.00 | 5% of Total | (Max Allowed) |

## J. Project Milestones/Schedule of Work

List the major milestones in this project by providing an estimated time-line for the critical activities not to exceed a period of 3 years (36-months) of performance. ***(e.g. Contracting, Designing, Engineering, Permitting, Inspections, closeout, etc.)***

| ***Milestone(s)*** | ***Number of Months to Complete*** |
|---|---|
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| **Total** | **Months** |

## Section V. Environmental Review and Historic Preservation Compliance

***(NOTE: This application cannot be processed if this section is not completed.)***

Because the HMGP is a federally funded program, all projects are required to undergo an environmental and historic preservation review as part of the grant application process. Moreover, all projects must comply with the National Environmental Policy Act (NEPA) and associated Federal, State, Tribal, and Local statutes to obtain funding. **NO WORK can be done prior to the NEPA review process. If work is done on your proposed project before the NEPA review is completed, it will NOT be eligible for Federal funding.**

**A. The following information is required for the Environmental and Historic Preservation review:**

*All projects must have adequate documentation to determine if the proposed project complies with NEPA and associated statutes. The State Environmental Staff provide comprehensive NEPA technical assistance for Applicants, with their consent, to complete the NEPA review. The type and quantity of NEPA documents required to make this determination varies depending upon the project's size, location, and complexity. However, at a minimum, provide the applicable documentation from this section to facilitate the NEPA compliance process.*

1. ☐ Detailed project description, scope of work, and budget/costs (Section II and Section IV of this application).
2. ☐ Project area maps (Section III, part B & C of this application).
3. ☐ Project area/structure photographs (Section III, part C of this application).
4. ☐ Preliminary project plans.
5. ☐ Project alternatives description and impacts (Section V of the application).
6. ☐ Complete the applicable project worksheets.
   Documentation showing dates of construction are required for all structures.
7. ☐ Environmental Justice – Provide any applicable information or documentation regarding low income or minority populations in the project area. See Section V.B of this application for details.
8. ☐ Provide any applicable information or documentation referenced on the *Information and Documentation Requirements by Project Type* below.

**B. Executive Order 12898; Environmental Justice for Low Income and Minority Population:**

1. Are there low income or minority populations in the project area or adjacent to the project area?
   ☐ No ☒ Yes; describe any disproportionate and adverse effects to these populations:

   The project site is located within the City's Community Development Block Grant (CDBG) priority area.

2. ☐ To help evaluate the impact of the project, explain below or attach any other information that describes the population, or portion of the population, that would be either disproportionately or adversely affected. Include specific efforts to address the adverse impacts in your proposal narrative and budget.

## C. Tribal Consultation *(Information Required)*

*Section 106 of the National Historic Preservation Act (NHPA) requires federal agencies to take into account the effect of their undertakings on historic properties. The NHPA requires that agencies must complete this process prior to the expenditure of any Federal funds on the undertaking. A Tribal Consultation is required for any project disturbing ground or moving soil, including but not limited to: drainage projects; demolition; construction; elevation; communication towers; tree removal; utility improvements.*

1. Describe the current and future use of the project location. A land use map may be provided in lieu of a written description.

   Land Use Map Attached

2. Provide information on any known site work or historic uses for project location.

   _____

   ☒ Attach a copy of a city or county scale map (large enough to show the entire project area) with the horizontal limits (feet) and vertical depths (square feet) of all anticipated ground disturbance of 3 inches or more.

## D. Alternative Actions *(Information Required)*

The NEPA process requires that at least two alternative actions be considered that address the same problem/issue as the proposed project. In this section, list **two feasible** alternative projects to mitigate the hazards faced in the project area. One alternative is the "No Action Alternative".

**1. No Action Alternative**
Discuss the impacts on the project area if no action is taken.

_____

**2. Other Feasible Alternative**
Describe a feasible alternative project that would be the next best solution if the primary alternative is not accomplished. This could be an entirely different mitigation method or a significant modification to the design of the current proposed project. Include a Scope of Work, engineering details (if applicable), estimated budget and the impacts of this alternative. Complete *all* of parts **a-e** (below).

**a. Project Description for the Alternative**
Describe, in detail, the alternative project, and explain how the alternative project will solve the problem(s) and/or provide protection from the hazard(s). Also, provide pros and cons for this alternative and a reason for why it was not selected.

_____

**b. Project Location of the Alternative** (*describe briefly, if different from proposed project*)

_____

☐ Attach a map or diagram showing the alternative site in relation to the proposed project site (*if different from proposed project*)

**c. Scope of Work for Alternative Project**

_____

**d. Impacts of Alternative Project**
Discuss the impact of this alternative on the project area. Include comments on these issues as appropriate: Environmental Justice, Endangered Species, Wetlands, Hydrology (Upstream and Downstream Surface Water Impacts), Floodplain/Floodway, Historic Preservation and Hazardous Materials.

_____

**e. Estimated Budget/Costs for Alternative Project**

In this section, provide details of all the estimated costs of the alternative project (round figures to the nearest dollar). A lump sum budget is acceptable.

| | |
|---|---|
| Materials: | |
| Labor: | |
| Fees: | |
| **Total Estimated Project Cost:** | **$ 0.00** |

**HMGP ENVIRONMENTAL REVIEW**

***Information and Documentation Requirements by Project Type***

| ***Retrofits to Existing Facilities/Structures***<br>***Elevations***<br>***Acquisitions with Demolition*** |
|---|
| ✓ Dates of Construction<br>✓ Ground disturbance map for projects with 3 inches or more of ground disturbance<br>✓ Structure photographs |
| ***Drainage Improvements*** |
| ✓ Engineering plans/drawings<br>✓ Permit or Exemption letter to address any modifications to water bodies and wetlands<br>o Department of Environmental Protection<br>o Water Management District<br>o U.S. Army Corps of Engineers<br>✓ Ground disturbance map for projects with 3 inches or more of ground disturbance.<br>✓ Concurrence from U.S. Fish and Wildlife addressing any impacts to wildlife, particularly endangered and threatened species and their habitats.<br>✓ If the project is in a coastal area, attach a letter from the National Marine Fisheries Service addressing impacts to marine resources.<br>✓ Concurrence from Natural Resource Conservation Service if project is located outside city limits and may impact prime or unique farmland.<br>✓ Concurrence from your Local Floodplain Manager – if project is located in a floodplain. |

*Note: This is a general guideline for most projects. However, there will be exceptions. Consult with state environmental staff on project types not listed.*

## Section VI – Maintenance Agreement

***All applicants whose proposed project involves the retrofit or modification of existing public property or whose proposed project would result in the public ownership or management of property, structures, or facilities, must first sign the following agreement prior to submitting the application to FEMA.***

***(NOTE: Not applicable to projects solely related to residential or private property.)***

The City of Ormond Beach, State of Florida, hereby agrees that if it receives any Federal aid as a result of the attached project application, it will accept responsibility, at its own expense if necessary, for the ***routine*** maintenance of any real property, structures, or facilities acquired or constructed as a result of such Federal aid**.** Routine maintenance shall include, but not be limited to, such responsibilities as keeping vacant land clear of debris, garbage, and vermin; keeping stream channels, culverts, and storm drains clear of obstructions and debris; and keeping detention ponds free of debris, trees, and woody growth.

The purpose of this agreement is to make clear the Sub-recipient's maintenance responsibilities following project award and to show the Sub-recipient's acceptance of these responsibilities. It does not replace, supersede, or add to any other maintenance responsibilities imposed by Federal law or regulation and which are in force on the date of project award.

Signed by Joyce Shanahan the duly authorized representative
(*printed or typed name of signing official*)

City Manager,
(*title*)

This _____(*day*) of _____(*month*), _____ *(year).*

**Signature*** _____

***Note: The above signature must be by an individual with legal signing authority for the respective local government or county (e.g., the Chairperson, Board of County Commissioners or the County Manager, etc.)***

# HMGP Application Completeness Guidance/Checklist

This guidance/checklist contains an explanation, example and/or reference for information requested in the application. Use this list to assure your application is complete and includes the required information for HMGP projects. The appropriate documentation must also be attached. It is important to note that this list is similar to the form that will be used during the application sufficiency review by the HMGP staff.

**Project Title: Water Treatment Plant Generator Replacement**

**Applicant: City of Ormond Beach**

| Application Information | Explanation of Information Required | ✓ |
|---|---|---|
| ***Section I*** | | |
| **B. Applicant Information** | | |
| **FEMA___-DR-FL** | Type in the four digit number FEMA assigned to the disaster that this application is being submitted under. (Example: 4337, 4283) | ☒ |
| **DISASTER NAME** | Type in the Disaster name. (Example: Hurricane Irma, Tropical Storm Fay) | ☒ |
| **Title of Project** | The project title should include: 1) Name of Applicant, 2) Name of Project, 3) Type of Project. (Example: City of Tallahassee, City Hall Building, Wind Retrofit) | ☒ |
| **1. Applicant** | Name of organization applying. Must be an eligible applicant. | ☒ |
| **2. Applicant Type** | State or local government, recognized Native American tribe, or private non-profit organization. If private non-profit, attach documentation showing legal status as a 501(C). (Example: IRS letter, Tax Exempt Certificate) | ☒ |
| **3. County** | Indicate county in which the project is located. | ☒ |
| **4. State Legislative and Congressional District(s)** | Specify the appropriate State Senate, House and Congressional District code for the **project site**. For multiple sites, list codes for each site. http://www.myfloridahouse.gov/sections/representatives/myrepresentative.aspx | ☒ |
| **5. Federal Tax I.D. Number** | List the Federal Employer's Identification Number (FEIN), also known as Federal Tax Identification number, 9-digit code. May be obtained from your finance/accounting department. | ☒ |
| **6. DUNS Number** | Include Data Universal Numbering System (DUNS) number in appropriate location on application. Typically, this number can be obtain through your finance department. If not, use the link below to look up your entity. If none, exists you can use the same link to request one. https://www.dnb.com/duns-number.html | ☒ |
| **7. FIPS Code** | List the Federal Information Processing Standards (FIPS) Code. May be obtained from your finance/accounting/grants department. If none, submit FEMA Form 90-49. See state website under the relevant disaster (https://floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/) | ☒ |
| **8. NFIP ID Number** | List the National Flood Insurance Program (NFIP) number. You must be a participating NFIP member to be eligible for HMGP funding. Make sure that the number is the same as the panel number on the FIRM provided with the application. | ☒ |
| **9. Point of Contact** | Provide all pertinent information for the point of contact. This person serves as the coordinator of the project. If this information changes once the application is submitted, please contact the HMGP staff immediately. | ☒ |
| **10. Application Prepared By** | Provide the preparer information. May be different from the point of contact (line 9) and/or the applicant's agent (line 11). | ☒ |
| **11. Authorized Applicant Agent** | An authorized agent must sign the application. *"An authorized agent is the chief elected official of a local government who has signature authority, so for a county it would be the Chairman of the Board of County Commissioners and for a municipality it would be the Mayor (the exact title sometimes varies). Any local government may delegate this authority to a subordinate official (like a City or County Manager) by resolution of the governing body (the Board of County Commissioners or Board of City Commissioners). If a local government delegates signature authority, a copy of the resolution by the governing body authorizing the signature authority for the individual signing must be provided."* | ☒ |

| | | |
|---|---|---|
| | For Private Non-Profit: A member of its Board of Directors or whoever has authority to authorize funding for such a project. If this task is delegated down, a copy of a resolution confirming this must be provided. | |
| **12. LMS Compliance** | a) LMS Project List:<br>All proposed projects must be included in the county's Local Mitigation Strategy (LMS) Project List and must be on file with FDEM's Mitigation Bureau Planning Unit.<br>b) LMS Endorsement Letter:<br>All proposed projects must include an endorsement letter from the county's Local Mitigation Strategy Coordinator. You may use 1 letter as long as it includes every proposed project.<br>c) Estimated Costs & Application Costs:<br>The LMS Project List must include an Estimated Cost column and each HMGP project application must be within $500.00 of that Project List's estimated cost. Also ensure that the Federal Cost Share indicated on the LMS Coordinator's Endorsement Letter exactly matches the Federal Cost Share indicated within the application. Ensure the LMS endorsement letter contains both the Total Estimated Projects Cost (Section IV. D.), along with the Estimated Federal Share (Section IV. I.1.) allocated to this project.<br>A letter of endorsement for the project and its priority number from the Local Mitigation Strategy Project List must be included. Refer to **Sample LMS Letter**. Applications without a letter of endorsement will not be processed. *(44 CFR 201.6 Local Mitigation Plans)* | ☒ |
| **13. Previous Submittal** | If the project has been previously submitted under another disaster, provide the disaster number, the project number, and the title of the project. | ☐ |

## ***Section II - Project Description***

### A. Hazards to be Mitigated/Level of Protection

| | | |
|---|---|---|
| **1. Type of Hazards** | **Type of Hazards the Proposed Project will Mitigate**: Identify the hazard(s) that the proposed project will mitigate. More than one hazard may be selected. | ☒ |
| **2. Identify the Type of Project** | **Identify the Type of Proposed Project**: Describe the mitigation project being proposed. (Example: drainage, wind retrofit, generator etc.) | ☒ |
| **3. Number of Persons Protected** | Explain how many people will be protected by or benefit from the proposed project. (Example: A drainage project improving a residential area of 23 homes, with an average household of 2 people = 46 people) | ☒ |
| **4. Total Impacted Area** | Explain how many acres will be impacted from the proposed project: Drainage/Berm/Pond/Culverts/Flood hazard projects: combination of the area to be protected and ground disturbance must not exceed 25 acres. | |
| **5. Level of Protection** | Specify the level of protection and magnitude of the event the proposed project will mitigate. Attach support documentation that verifies the stated level of protection. (Example: In a wind retrofit project, it will be the design wind speed to comply with the Florida Building Code requirements. In a drainage project, it will be the implemented design level, e.g. a 25-year FDOT design standard for culvert.) | ☐ |
| **6. Project Impact** | Identify **all** the items the project may impact or are within the project area. | ☐ |
| **7. Engineered Projects (e.g. Drainage)** | Include available engineering calculations, studies, and designs for the proposed project showing results from applied Recurrence Interval scenarios before and after mitigation. (Number of structures, building replacement value, depth of the water, structural damages, content damages, displacement, road closures, etc.) | ☐ |

### B. Project Description, Scope of Work, and Protection Provided (Must be Completed in Detail)

| | | |
|---|---|---|
| **1. Existing Problem** | Describe the existing problem, location, source of the hazard, and the history and extent of the damage. Include newspaper articles, insurance documentation, photographs, etc. If this project is eligible for PA (406) mitigation activities, describe the 406 activities. | ☐ |
| **2. Type of Protection** | Determine how the funding will solve the existing problem and provide protection. | ☐ |
| **3. Scope of Work:** | **What the Project Proposes to Do**: Determine the work to be done. The scope of work must meet eligibility based on HMGP regulations and guidance. Explain how the proposed problem will be solved. (NOTE: The proposed project must be a | ☐ |

| | | |
|---|---|---|
| | mitigation action, not maintenance.) *Does the proposed project solve a problem independently or constitute a functional part of a solution where there is assurance that the project as a whole will be completed (44 CFR 206.434[c][4])? Does the proposed project address a problem that has been repetitive or that poses a significant risk to public health and safety if left unresolved (44 CFR 206.434[c][5][i])?* Projects that merely identify or analyze hazards or problems are not eligible. | |
| **4. On-Going or Proposed Projects in the Area** | Determine if other projects, zoning changes, etc. are planned (particularly in the same watershed if flooding is being addressed) that may negatively or positively impact the proposed project. If there is a drainage project or downstream issue elsewhere, it may eliminate the current flooding issue, erasing the need for the proposed project. Response applies to drainage and acquisition projects. N/A is appropriate in wind retrofit shutter projects only. If this project is also being considered under the Public Assistance Program (406), describe in detail the 406 mitigation activities and/or services. Do not include project costs associated with this HMGP application. | ☐ |

## ***Section III - Project Location***

### A. Site

| | | |
|---|---|---|
| **1. Physical Location** | List the physical location of the project site(s) including the street number(s), zip code(s) and GPS coordinates (latitude/longitude, in decimal degrees). The physical address must correspond with the address locations specified on maps submitted with the application. | ☒ |
| **2. Titleholder** | Provide the titleholder's name. | ☒ |
| **3. Project Seaward of the CCCL?** | Determine if the project site is located seaward of the Coastal Construction Control Line. https://floridadep.gov/water/coastal-construction-control-line | ☒ |
| **4. Number and Types of Structures Affected** | Specify the number and type of properties affected by the project. (Example: Drainage project that affects 100 homes, 15 businesses and 2 schools.) What does the project protect? Should have a number next to the box that is checked. (See Section II, Item A.5 – detail of these totals) | ☐ |

### B. Flood Insurance Rate Map (FIRM) Showing Project Site

| | | |
|---|---|---|
| **1. Copies of FIRM** | Attach a copy (or copies) of the FIRM and clearly identify the project site. The FIRM Panel number must be included. To obtain a FIRM map, go to https://msc.fema.gov/portal. **See instructions on How to make a FIRMette.** | ☒ |
| **2. Flood Zone Determination** | Specify the flood zone(s) of the project site(s). **If project is located in a Special Flood Hazard Area. Amount of coverage must be equal to or greater than the amount of Federal mitigation funding obligated to the project.** | ☐ |
| **3. Flood Hazard Boundary Map (FHBM)** | Not required if a copy of the FIRM is attached. | ☐ |
| **4. Model Acknowledgement of Conditions form** | The Model Acknowledgement of Conditions for Mitigation in Special Flood Hazard Area form is required for those structures receiving federal funds that will also remain in the special flood hazard area by the close of the project. This form is required at application. It can be found on FEMA's website at https://www.fema.gov/media-library/assets/documents/15677 | ☐ |

### D. C. Maps with Project Site and Photographs

| | | |
|---|---|---|
| **1. City/County Map with Project Site** | The project site and staging location (if applicable) should be clearly marked on a legible City/County map. The map should be large enough to show the project site. More than one map may be required. | ☒ |
| **2. USGS TOPO with Project Site** | The project site should be clearly marked on a legible USGS 1:24,000 TOPO map. To obtain a TOPO map, go to https://ngmdb.usgs.gov/topoview/ | ☒ |
| **3. Parcel/Tax Map** | A Parcel, Tax or Property Identification map is required <u>only</u> for acquisition and elevation projects. The location of the structure must be clearly identified. | ☐ |
| **4. Site Photographs** | At least four photographs are required that clearly identify the project site. The photos must be representative of the project area, including any relevant streams, creeks, rivers, etc., and drainage areas that affect the project site or will be affected by the project. The front, back and both side angles are required for each structure. For acquisition and elevation projects, a photo taken away from the structure (in front toward the street, and in back toward backyard) to show the area along with | ☐ |

| | | |
|---|---|---|
| | photographs of specific elements of the structure affected by the project (windows for shutters or window replacements) should also be provided. Label photographs appropriately. In addition, CDs may be submitted. | |

## ***Section IV - Budget/Costs***

Make sure all calculations are correct. Provide a breakdown of materials, labor and fees for the proposed project. Support documentation must be attached, i.e. vendor's quote, professional estimate (from engineer, architect, local building official, etc.). The proposed budget line items should represent allowable costs associated with the scope of work. Contingency Cost should be included as a line item in the budget section, and justified – Maximum allowed is 5%, and is required to complete this section; it will be used for the Benefit-Cost Analysis (BCA). Costs should be accurate, complete and reasonable compared to industry standards. Make sure the total cost is correct on the entire application.

| | | |
|---|---|---|
| **A. Materials** | List materials and their associated costs. Provide breakdown. | ☐ |
| **B. Labor** | Provide a breakdown of description, hours, rate, and cost or lump sum labor cost. Can use in-kind contribution as part of the 25% match. (Attach support documentation for in-kind, in-house to detail wages and salaries charged for any contribution. No overtime wages can be used to satisfy match contributions). | ☐ |
| **C. Fees Paid** | Provide a breakdown of associated fees i.e., consultants, studies, engineering, permits, and project management. Maintenance is not an allowable cost under HMGP. *Pre-award costs may be requested* **(See Pre-award Costs guidance).** | ☐ |
| **D. Total Estimated Project Cost** | This number includes all project costs without contingency costs included. Make sure all calculations are correct. | ☐ |
| **E. Contingency Cost** | Per FEMA's HMA Guidance (Section VI Part D.3.4), a contingency cost is, "an allowance in the total cost estimate to cover situations that cannot be fully defined at the time the cost estimate is prepared but that will likely result in additional eligible costs. Allowances for major project scope changes, unforeseen risks, or extraordinary events may not be included as contingency costs."<br>The applicant may request up to 5% of material/labor costs. As with other line items, the applicant must justify these contingency costs based on the nature of the project at application.<br>If an applicant wants to include contingency costs, they will need to enter the percentage that they require as well as what amount they want that percentage to be applied to. Type the resulting calculation in the final cell on the right. These cells will **NOT** auto-calculate. Be sure that they are calculated correctly. | ☐ |
| **F. Final Project Cost** | This number includes any contingency costs that were requested. The final BCA will use this number in its final calculation. | ☐ |
| **G. Project Management Costs** | After reading the guidance provided on pg. 5, select either **YES** or **NO** to indicate your need for management costs for this project.<br>If **YES**, provide a breakdown of description, hours, rate and costs for requested management costs.<br>If **NO**, continue to Part I. | ☐ |
| **H. Total Estimated Management Costs Requested** | This will auto complete based on what is entered into the cost cells above. Your request must not exceed 5 percent of the total project cost available for this project. | ☐ |

### I. Funding Sources (round figures to the nearest dollar)

The proposed sources of non-federal matching funds must meet eligibility requirements. (Except as provided by Federal statute, a cost-sharing or matching requirement may not be met by costs borne by another Federal grant.) 2 CFR Part 200.306.

| | | |
|---|---|---|
| **1. Estimated Federal Share** | The estimated Federal share is generally 75%. If the Federal share is not 75%, assure actual amount is entered. It could be 50.1234% or 35.1234%, etc. of the total dollar amount of project depending on county LMS allocation and priority. This figure cannot exceed 75%. | ☒ |
| **2. Non-Federal Share** | May include all 3 sources, i.e. cash, in-kind and global match, as long as the total is a minimum of 25%. Match cannot be derived from a federal agency except Federal funds that lose their federal identity (e.g., CDBG funding and certain tribal funding). | ☒ |
| **3. Cash** | Cash- Local funding will be utilized for the non-federal share. Enter amount of cash and percentage of total that amount represents. | ☒ |
| **4. Total In-Kind** | May use materials, personnel, equipment, and supplies owned, controlled and operated from within governing jurisdiction as an in-kind match. *Third party in-kind contributions would be volunteer services, employee services from other* | ☐ |

| | | |
|---|---|---|
| | *organizations furnished free of charge, donated supplies, and loaned equipment or space. The value placed on these resources must be at a fair market value and must be documented. If in-kind is claimed from outside the applicant jurisdiction, it must be cash only. ** Identify proposed eligible activities in Section IV B. and C. as a separate line with In-kind written as a part of the description.* | |
| **5. Total In-house** | Sub-Recipient employees, equipment, etc. – internal services (must utilize the Personnel Activity Report or the Equipment Activity Report for the Request for Reimbursement) | ☐ |
| **6. Total Project (Global) Match** | Project (global) match must 1) meet all the eligibility requirements of HMGP; and 2) begin after FEMA's approval of the match project. A separate HMGP application must be submitted for global match projects. Indicate which project(s) will be matched. *The global match is not required to be an identical project. Projects submitted as global match for another project must meet the same period of performance time constraints as the HMGP.* | ☐ |
| **7. Other Agency Share** | Identify Non-Federal Agency and availability date; provide the documentation from the agency. (e.g., CDBG funding, and certain tribal funding) | ☐ |
| **8. Total Funding** | Total must represent (100%) of the total estimated project cost. Ensure that percentages match corresponding cost-shares and the total matches the Budget (in Section IV. F. - Total Estimated Project Cost). | ☒ |
| **9.** | Your requested amount must be equal to or less than 5 percent of the total project cost | ☐ |

### J. Project Milestones/Schedule of Work

| | | |
|---|---|---|
| **1. Milestones (Schedule)** | Identify the major milestones in the proposed project and provide an estimated time-line *(e.g. Designing, Engineering – 3 months, Permitting – 6 months, Procurement – 30 days, Installation – 6 months, Contracting – 1 month, Delays, Project Implementation, Inspections, Closeout, etc.)* for the critical activities not to exceed a period of 3 years (36-months) for performance. Milestones should not be grouped together but listed individually. Allot for the appropriate amount of time for final inspection and closeout (about 3 months). | ☐ |

## ***Section V - Environmental Review & Historic Preservation Compliance***

No work can begin prior to the completion of the environmental (NEPA) review. In order for the Environmental staff to conduct the NEPA review, all sections listed below must be completed.

| | | |
|---|---|---|
| **1. Description, SOW & Budget** | Detailed Project Description, Scope of Work & Budget/Costs. Complete Sections II & IV of the application. | ☐ |
| **2. Area Maps** | Project area Maps - Attach a copy of the maps and clearly mark the project site, and place the specific project structure(s) on map(s). Complete Section III, part B & C of the application. | ☐ |
| **3. Project Area/Structure Photographs** | Complete Section III part C of the application. | ☐ |
| **4. Preliminary Project Plans** | For shutters see the scope of work and for drainage & elevation see engineering drawings. | ☐ |
| **5. Project Alternatives** | Complete Section V part D. of this application. | ☐ |
| **6. Project Worksheets** | Dates of construction are required for all structures. See worksheets. | ☐ |
| **7. Environmental Justice Documentation** | See Section V.B for applicable information. | ☐ |
| **8. Information/ Documentation Requirements by Project Type** | Provide any of the required documentation as listed at the end of Section V in the Information and Documentation Requirements by Project Type that may have already been obtained. | ☐ |

### B. Executive Order 12898, Environmental Justice for Low Income and Minority Population

| | | |
|---|---|---|
| **1. Disproportionate Effects** | Determine if there are populations in either the project zip code or city that are characterized as having a minority background or living below the poverty level. If yes, | ☐ |

| | | |
|---|---|---|
| | complete the rest of Section V, part B. Describe any disproportionate effects that these populations would experience if the project were completed. | |
| **2. Population Affected** | Describe the population affected by this project and the portion of the population adversely impacted. Attach any documentation and list the attachments here. | ☐ |

### C. Information required for Tribal Consultation

| | | |
|---|---|---|
| **Documentation for Tribal Consultation** | For all projects with any ground disturbing activities of 3 inches or more, complete Section V part C. | ☐ |

### D. Alternative Actions

| | | |
|---|---|---|
| **1. No Action Alternative** | Discuss the impacts on the project area if no action is taken. | ☐ |
| **2. Other Feasible Alternative Action** | This is a FEMA and FDEM requirement for any Application Review. A narrative discussion of at least three project alternatives (from No Action to the most effective, practical solution) and their impacts, both beneficial and detrimental is required. It is expected that the jurisdiction has completed sufficient analysis to determine the proposed project can be constructed as submitted and it supports the goals and objectives of the FEMA approved hazard mitigation plan. Has the proposed project been determined to be the most practical, effective and environmentally sound alternative after consideration of a range of options? (44 CFR 206.434[c][5][iii]) | ☐ |
| **a. Project Description** | It is very important and a requirement that an Alternative project is submitted. NEPA requires that at least three alternatives must be presented to mitigate the problem. In addition to the proposed action and no action, one other **feasible** alternative must be provided. | ☐ |
| **b. Project Location of the Alternative** | Describe the surrounding environment. Include information regarding both natural (i.e., fish, wildlife, streams, soils, plant life) and built (i.e., public services, utilities, land/shoreline use, population density) environments. | |
| **c. Scope of Work – Alternative Project** | Describe how the alternative project will solve the problem and provide protection from the hazard. Provide enough detail to describe the project for the evaluation panel to decide the best course of action for the state. Include any appropriate diagrams, sketch maps, amount of materials and equipment, dimensions of project, amount of time required to complete, etc. | |
| **d. Impacts of the Alternative Project** | | |
| **e. Estimated Budget/Costs for the Alternative Project** | Total cost is required. | ☐ |
| **Materials, Labor, and Fees Paid** | Detailed line items are not required. Just enter a total amount. | ☐ |
| **Total Estimated Project Costs** | Total cost is required. Vendor quote is not required. A lump sum budget may be submitted as justification to why this alternative was not chosen. | ☐ |

## Section VI – Maintenance Agreement

| | | |
|---|---|---|
| **Maintenance Agreement** | Complete, sign and date the maintenance agreement. The maintenance agreement must be signed by an individual with signature authority, preferably the authorized agent. | ☒ |

## Other Required Documentation

Go to www.floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/ for additional documents

| | | |
|---|---|---|
| **1. Maps** | All maps must be included with the application. | |
| **2. FFATA Form** | During contracting with the state, complete, sign and date the FFATA Project File Form. Instructions are provided for your convenience in the document provided. **This is not required at the time of application submittal.** | ☐ |
| **3. SFHA Acknowledgement of Conditions** | Required for all projects in the Special Flood Hazard Area. Read and sign the SFHA Acknowledgement of Conditions document. This form must be notarized, signed by the local jurisdiction and the property owner. | ☐ |
| **4. Pre-award Cost Form** | If pre-award costs are being requested with your project, be sure to identify all pre-award costs in the application budget per instructions. The pre-award cost form must be completed and submitted with your application. | ☐ |

| | | |
|---|---|---|
| **5. Request for Public Assistance Form** | Applicable if no FIPS number is assigned to applicant/recipient. | ☐ |
| **6. Model Statement of Assurances for Property Acquisition Projects** | For Acquisition projects only. | ☐ |
| **7. Declaration and Release** | For Acquisition projects only. Must be signed by all persons whose names are on the property deed. | ☐ |
| **8. Notice of Voluntary Interest** | For Acquisition projects only. Two forms are available for your convenience. Use the form that is most appropriate to your situation. Must be signed by all persons whose names are on the property deed. | ☐ |
| **9. Statement of Voluntary Participation for Acquisition of Property for Purpose of Open Space** | For Acquisition projects only. Must be signed by all persons whose names are on the property deed. | ☐ |
| **10. Worksheets** | The appropriate worksheet(s) must be completed and submitted with the application.<br>a. Flood Control – Drainage Improvement<br>b. Generator<br>c. Tornado Safe Room<br>d. Hurricane Safe Room<br>e. Wind Retrofit<br>f. Wildfire<br>g. Drought | ☒ |

*Submit **1 original (signed) and 1 full copy** of the entire application and backup documentation. Include a full copy of the submittal and all documentation on CD or thumb drive.

# Attachment Index

Use the following template to list any supporting documentation that is **included on the CD or flashdrive**. Clearly and concisely label each attachment on this form to correspond with the file name on the CD or flashdrive. In the first column list which section and item (from the HMGP application) the attachment refers to. *Example: Section 2, Item 1.* **If any required documentation is not included on the CD or flashdrive, the application will be considered incomplete and *will not* be considered for possible funding.**

| Section # & Item | | Attached Document Name |
|---|---|---|
| 1 | Sec I-B | LMS Endorsement Letter and Priority Listing |
| 2 | Sec III-B | FIRM Maps |
| 3 | Sec III-C.1 | City Scale Map |
| 4 | Sec III-C.2 | USGS Topo Map |
| 5 | Sec III-C.4 | Site Photographs |
| 6 | Sec V-C.1 | Land Use Map |
| 7 | | Generator Worksheet |
| 8 | | Project Quotes |
| 9 | | Windspeed Maps |
| 10 | | EHP Worksheet |
| 11 | | CCCL Maps |
| 12 | | SF424 and SF424D |
| 13 | | Budget Workbook |
| 14 | | Authorization Authority |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |

Volusia County
FLORIDA

**Department of Emergency Services**
**Emergency Management Division**

June 20, 2025

Ms. Laura Dhuwe, State Mitigation Officer
Florida Division of Emergency Management
255 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100

RE: Hazard Mitigation Grant Program (HMGP) applications for FEMA 4834-DR-FL, Hurricane Milton

Dear Ms. Dhuwe:

The Volusia County Local Mitigation Strategy (LMS) working group has approved by vote and prioritized the following projects for HMGP funding from this disaster. These projects align with our LMS goals and objectives as noted, and with the State's mitigation goals and objectives (in accordance with the Code of Federal Regulations 44 § 201.6)

The Volusia County LMS group therefore presents the projects below (or in an attachment) in the order that they are to be considered for funding.

For further information or inquiry, please contact me at 386-671-8807 or bartonjustin@codb.us.

Sincerely,

Justin Barton Digitally signed by Justin Barton
DN: C=US, E=bartonjustin@daytonabeach.gov, O=City of Daytona Beach, CN=Justin Barton
Date: 2025.06.20 18:00:33-04'00'

_____, LMS Chair Volusia County

cc:

# Priority List for Volusia County FL HMGP Hurricane Milton

| LMS Priority | Jurisdiction | LMS # | Project Description | Total Cost | HMGP (75%) | Match (25%) |
|---|---|---|---|---|---|---|
| 1 | Orange City Public Works | VOL-0736 | Mill Lake and Industrial Park Flood Mitigation Project | $1,200,000 | $900,000 | $300,000 |
| 2 | Ormond Beach Utilities | VOL-0725 | Water Treatment Plant Generator Replacement | $1,610,000 | $1,207,500 | $402,500 |
| 3 | Deland City Manager's Office | VOL-0743 | Earl Brown Park Stormwater Management Area Improvements | $1,500,000 | $1,125,000 | $375,000 |
| 4 | Edgewater Environmental Services | VOL-0710 | Rehabilitation of Lift Stations #5, #10, #17, and #31 with Emergency Bypass Pumps | $850,000 | $637,500 | $212,500 |
| 5 | Daytona Beach | VOL-0726 | Permanent Perimeter Flood Wall – Bethune WRF | $7,200,000 | $5,400,000 | $1,800,000 |
| 6 | Deltona Public Works | VOL-0732 | Installation of Permanent Bypass Pumps to serve nine (9) Stormwater Pump Stations | $2,160,000 | $1,620,000 | $540,000 |
| 7 | South Daytona Public Works | VOL-0708 | South Daytona Oriole Lane/Kenilworth Avenue Pond | $750,000 | $562,500 | $187,500 |
| 8 | South Daytona Public Works | VOL-0709 | South Daytona Green Street/Brian Avenue Pond | $750,000 | $562,500 | $187,500 |
| 9 | Volusia County Fire Rescue | VOL-0742 | Station 23 Wind Retrofit, Saferoom, and Flood Mitigation Project | $10,000,000 | $7,500,000 | $2,500,000 |
| 10 | New Smyrna Beach Engineering Dept. | VOL-0734 | Acquisition and Demolition of three (3) Flood-Prone Homes | $1,375,588 | $1,031,691 | $343,897 |
| 11 | AdventHealth Fish Memorial | VOL-0728 | AdventHealth Fish Memorial - Muscle Wall Flood System | $802,530 | $601,898 | $200,633 |
| 12 | Daytona Beach Shores Public Works | VOL-0695 | Sewer Improvements and Retrofit North of Dunlawton Avenue | $4,628,000 | $3,471,000 | $1,157,000 |
| 13 | Ormond Beach Public Works | VOL-0718 | John Anderson Drainage Improvements | $417,884 | $313,413 | $104,471 |
| 14 | Volusia County Emergency Management | VOL-0737 | Mitigation Reconstruct 136 Temple St. | $321,668 | $220,000 | $101,668 |
| 15 | Edgewater Environmental Services | VOL-0707 | Rehabilitation of Lift Stations #40, #42, and #51 with Emergency Bypass Pumps | $635,000 | $476,250 | $158,750 |
| 16 | Deltona Public Works | VOL-0731 | Installation of Permanent Bypass Pumps to serve five (5) Domestic Wastewater Lift Stations | $1,500,000 | $1,125,000 | $375,000 |
| 17 | Volusia County Emergency Management | VOL-0739 | Acquisition of 246 Cranor Avenue | $732,600 | $549,450 | $183,150 |
| 18 | Volusia County Emergency Management | VOL-0738 | Acquisition of 1839 Old Tomoka Road | $827,600 | $620,700 | $206,900 |
| 19 | Volusia County Emergency Management | VOL-0740 | Acquisition of 1228 Orange Camp Road | $678,500 | $508,875 | $169,625 |

## Priority List for Volusia County FL HMGP Hurricane Milton

| LMS Priority | Jurisdiction | LMS # | Project Description | Total Cost | HMGP (75%) | Match (25%) |
|---|---|---|---|---|---|---|
| 20 | Volusia County Emergency Management | VOL-0741 | Elevation of 1646 Lake George Road | $252,412 | $189,309 | $63,103 |
| 21 | Deland City Manager's Office | VOL-0744 | Thompson and Winnimessett Stormwater Pond Expansion | $1,000,000 | $750,000 | $250,000 |
| 22 | Deland City Manager's Office | VOL-0745 | Stone and Ambrose Stormwater Pond Expansion | $100,000 | $75,000 | $25,000 |
| 23 | Deland City Manager's Office | VOL-0746 | Painters Pond Stormwater Management Area Improvements | $1,000,000 | $750,000 | $250,000 |
| 24 | AdventHealth Daytona | VOL-0727 | AdventHealth Daytona Beach - one (1) Generator for the Medical Office Building | $2,343,000 | $1,757,250 | $585,750 |
| 25 | AdventHealth Daytona Beach | VOL-0747 | Advent Health Daytona Beach - Generator for the Cancer Institute - Critical Infrastructure Sustainability | $2,393,714 | $1,795,286 | $598,429 |
| 26 | Ormond Beach Utilities | VOL-0724 | Water Reclamation Facility Influent Pump Station Replacement | $8,300,000 | $6,225,000 | $2,075,000 |
| 27 | AdventHealth Daytona Beach | VOL-0748 | Cooling Tower Secondary Water Source Well | $685,046 | $513,785 | $171,262 |
| | | | **TOTALS =>** | **$54,013,541** | **$40,488,905** | **$13,524,636** |
| | | | **FEMA-4834-DR-FL 6-Month Estimate as of 04/03/25 =>** | **$28,446,488.69** | **$21,334,866.52** | **$7,111,622.17** |
| | | | **Less Florida Elevate Allocations =>** | | **($1,105,146.09)** | |
| | | | | **($25,567,052)** | **($20,259,185)** | **($6,413,014)** |

# National Flood Hazard Layer FIRMette

298 Tomoka Avenue, Ormond Beach, FL 32174

FEMA

81°4'3"W 29°17'N




81°3'25"W 29°16'28"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

*Basemap Imagery Source: USGS National Map 2023*

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

**SPECIAL FLOOD HAZARD AREAS**
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

**OTHER AREAS OF FLOOD HAZARD**
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

**OTHER AREAS**
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

**GENERAL STRUCTURES**
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

**OTHER FEATURES**
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

**MAP PANELS**
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/12/2025 at 11:06 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.




**WATER TREATMENT PLANT - GENERATOR MAP**
**298 TOMOKA AVENUE**
**(4241-08-01-0110)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 12, 2025

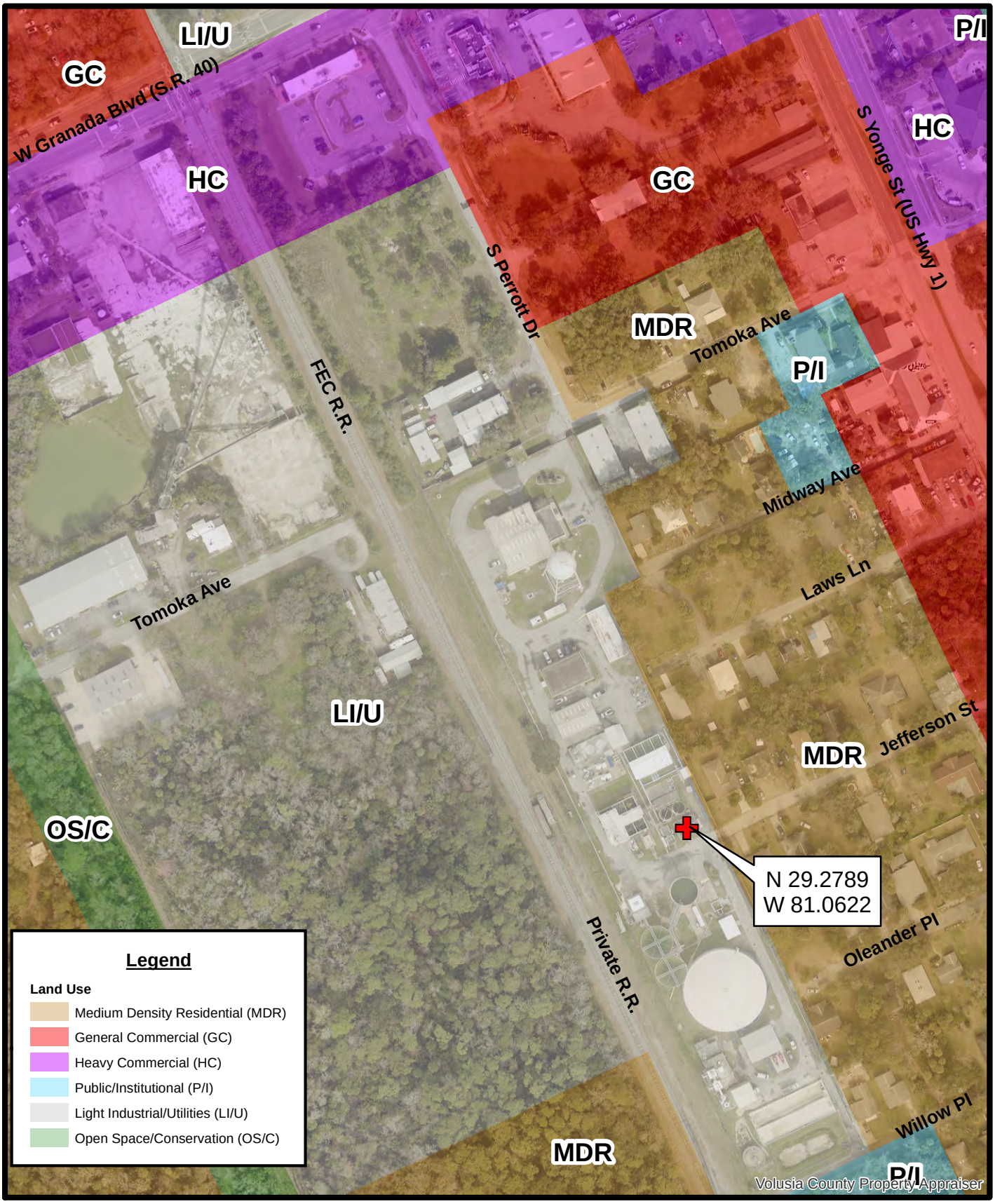
N
W E
S
1 inch = 50 feet




**WATER TREATMENT PLANT - USGS TOPO MAP**
**298 TOMOKA AVENUE**
**(4241-08-01-0110)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 12, 2025

N
W E
S
1 inch = 2,000 feet




**WATER TREATMENT PLANT - LAND USE MAP**
**298 TOMOKA AVENUE**
**(4241-08-01-0110)**

Prepared By: The City of Ormond Beach
G.I.S. Department - June 12, 2025

N
W E
S
1 inch = 200 feet

# Generator(s) Worksheet

For preliminary Benefit Cost Analysis conducted by the State Mitigation Technical Team

Applies for the following mitigation activities: **PERMANENT AND PORTABLE GENERATOR**. For assistance, contact the State of Florida Mitigation Technical Unit.

**IMPORTANT**: This worksheet is required as part of your application. The State of Florida Mitigation Technical Unit will conduct a Benefit Cost Analysis (BCA) for your project and the following information is needed to evaluate cost effectiveness. Once a preliminary BCA is completed, the reviewer will contact you with results and/or to collect support documentation.

**NOTE**: Having a complete worksheet will expedite the Technical Review

## Requirements

To complete a successful project application, a minimum amount of technical information is required for review. Data collected in this worksheet will provide reviewers with preliminary information necessary to evaluate project eligibility, feasibility, and cost effectiveness. Carefully review and confirm that you are aware of the following information.

Permanent Generator(s): The generator(s) shall be protected against a 500-year flood event by implementing specific activities or by locating the generator(s) outside the Special Flood Hazard Area (SFHA), comply with applicable National Flood Insurance Program (NFIP) requirements and shall be protected against wind with a rated enclosure and appropriate anchoring based on its location requirements per ASCE 7 standards. The selected site shall provide sufficient space to maintain and fuel the generator(s) and shall comply with the National Electrical Code working clearance requirements. Activities shall be completed in strict compliance with Federal, State and Local applicable Rules and Regulations.

Portable Generator(s): The portable generator(s) shall be stored at a location protected against a 500-year flood event or located outside the Special Flood Hazard Area (SFHA), comply with applicable National Flood Insurance Program (NFIP) requirements, and shall be protected against wind with a rated enclosure based on their location requirements. Activities shall be completed in strict compliance with Federal, State and Local Rules and Regulations.

Automatic Transfer Switch (ATS): The automatic transfer switch(es) shall be protected against a 500-year flood event by implementing specific activities or by locating the automatic transfer switch(es) outside the Special Flood Hazard Area (SFHA), comply with applicable National Flood Insurance Program (NFIP) requirements and shall be protected against wind with a rated enclosure and appropriate anchoring based on its location requirements per ASCE 7 standards. Activities shall be completed in strict compliance with Federal, State and Local applicable Rules and Regulations

*I confirm that I have reviewed the requirements listed above (signature):* _____

FEMA has approved an approach to demonstrating cost-effectiveness for certain hospital generator projects based on pre-calculated benefits which requires minimal documentation if certain requirements are met.

BEFORE PROCEEDING TO THE NEXT SECTION PLEASE SELECT AN OPTION BELOW:

Does your project meet all the requirements from the below FEMA memorandum?
Pre-Calculated Benefits for Certain Hospital Generators to Demonstrate Cost-Effectiveness

☐ Yes (Only complete Section I of this worksheet) ☑ No (Complete all sections of this worksheet)

**For additional resources, please refer to FEMA Technical Review Job Aid for Generator projects.**

## Section I – Project General Information

| | |
|---|---|
| *Project Name:* City of Ormond Beach, Water Treatment Plant Generator Replacement | *Worksheet completed by:*<br>*Name:* Shawn Finley<br>*Title:* Assistant City Manager<br>*Phone:* 386-676-3582<br>*Email:* Shawn.Finley@ormondbeach.org |
| *Sub-Applicant:* | |

## Section II – Project Cost Information

| | |
|---|---|
| *Mitigation Project Cost:* $1,610,000 | *Annual Maintenance Cost:* |

## Section III – Project Specific Information

*The table below allows data entry for up to 4 locations. If your project has more than 4 locations, you can either submit a second Generator Worksheet or attach a separate list, providing the information requested below and in Sections IV, V and VI, as applicable.*

| ID | Project Location (address) | Type of proposed generator (Permanent or Portable) | Proposed Capacity (kW) |
|---|---|---|---|
| 1. | 298 Tomoka Avenue, Ormond Beach, Florida 32174 | Permanent | |
| 2. | | - Select - | |
| 3. | | - Select - | |
| 4. | | - Select - | |

*Provide the information requested in the table below by using the ID as the reference to the location listed in the table above.*

| ID | Type of Fuel (natural gas, diesel, propane, etc.) | Type of Fuel Tank (Sub-base, stand-alone, etc.) | Fuel Tank Storage Capacity & Duration (gallons/ hours) | Proposing to install a new ATS? | Constructing a new concrete Pad? | Is there an Existing generator? | Specify capacity of existing Generator (kW) |
|---|---|---|---|---|---|---|---|
| 1. | | | | - Select - | - Select - | - Select - | |
| 2. | | | | - Select - | - Select - | - Select - | |
| 3. | | | | - Select - | - Select - | - Select - | |
| 4. | | | | - Select - | - Select - | - Select - | |

| | |
|---|---|
| *If you are not installing a new ATS, please explain why?* | *If you are not installing a new Concrete Pad, please explain why?* |

## Section IV - Loss of Service

*For each project location identified in Section III, please select only **one** type of critical facility, as applicable, and provide responses for the selection made.*

| *Structure ID 1.* | *Structure ID 2.* |
|---|---|
| ☐ ***Fire Station*** | ☐ ***Fire Station*** |
| *How many people are served by the Fire Station?* | *How many people are served by the Fire Station?* |
| *Does the fire station provide Emergency Medical Services (EMS)?* ☐ *Yes* ☐ *No* | *Does the fire station provide Emergency Medical Services (EMS)?* ☐ *Yes* ☐ *No* |
| *Provide the address of the nearest fire station:* | *Provide the address of the nearest fire station:* |
| *Provide the address of the nearest fire station with EMS:* | *Provide the address of the nearest fire station with EMS:* |
| ☐ ***Police Station*** | ☐ ***Police Station*** |
| *How many people are served by this police station?* | *How many people are served by this police station?* |
| *How many police officers work or report to this police station?* | *How many police officers work or report to this police station?* |
| *How many police officers have a designated office space at this police station?* | *How many police officers have a designated office space at this police station?* |
| ☐ ***Hospital*** | ☐ ***Hospital*** |
| *How many people are being served by this hospital?* | *How many people are being served by this hospital?* |
| *Provide the address of the nearest hospital capable of providing the same type of service:* | *Provide the address of the nearest hospital capable of providing the same type of service:* |
| *How many people are being served by the nearest hospital capable of providing the same type of service?* | *How many people are being served by the nearest hospital capable of providing the same type of service?* |
| ☑ ***Utility*** | ☐ ***Utility*** |
| *Select the type of utility:* Potable Water | *Select the type of utility:* - Select - |
| *Number of customers directly served by the utility system:* 51,162 | *Number of customers directly served by the utility system:* |
| ☐ ***Other Critical Facility Type*** | ☐ ***Other Critical Facility Type*** |
| *Specify Facility Name* | *Specify Facility Name* |
| *What is the Annual Operational Budget for this critical facility?* | *What is the Annual Operational Budget for this critical facility?* |
| ***Note**: In Section VI below, provide a brief description of how this building is a critical facility and specify which functions are essential to the community.* | ***Note**: In Section VI below, provide a brief description of how this building is a critical facility and specify which functions are essential to the community.* |

## Section IV - Loss of Service (continued)

*For each project location identified in Section III, please select only **one** type of critical facility, as applicable, and provide responses for the selection made.*

| *Structure ID 3.* | *Structure ID 4.* |
|---|---|
| ☐ ***Fire Station*** | ☐ ***Fire Station*** |
| *How many people are served by the Fire Station?* | *How many people are served by the Fire Station?* |
| *Does the fire station provide Emergency Medical Services (EMS)?* ☐ *Yes* ☐ *No* | *Does the fire station provide Emergency Medical Services (EMS)?* ☐ *Yes* ☐ *No* |
| *Provide the address of the nearest fire station:* | *Provide the address of the nearest fire station:* |
| *Provide the address of the nearest fire station with EMS:* | *Provide the address of the nearest fire station with EMS:* |
| ☐ ***Police Station*** | ☐ ***Police Station*** |
| *How many people are served by this police station?* | *How many people are served by this police station?* |
| *How many police officers work or report to this police station?* | *How many police officers work or report to this police station?* |
| *How many police officers have a designated office space at this police station?* | *How many police officers have a designated office space at this police station?* |
| ☐ ***Hospital*** | ☐ ***Hospital*** |
| *How many people are being served by this hospital?* | *How many people are being served by this hospital?* |
| *Provide the address of the nearest hospital capable of providing the same type of service:* | *Provide the address of the nearest hospital capable of providing the same type of service:* |
| *How many people are being served by the nearest hospital capable of providing the same type of service?* | *How many people are being served by the nearest hospital capable of providing the same type of service?* |
| ☐ ***Utility*** | ☐ ***Utility*** |
| *Select the type of utility:* - Select - | *Select the type of utility:* - Select - |
| *Number of customers directly served by the utility system:* | *Number of customers directly served by the utility system:* |
| ☐ ***Other Critical Facility Type*** | ☐ ***Other Critical Facility Type*** |
| *Specify Facility Name* | *Specify Facility Name* |
| *What is the Annual Operational Budget for this critical facility?* | *What is the Annual Operational Budget for this critical facility?* |
| ***Note**: In Section VI below, provide a brief description of how this building is a critical facility and specify which functions are essential to the community.* | ***Note**: In Section VI below, provide a brief description of how this building is a critical facility and specify which functions are essential to the community.* |

## Section V – Historical Damage Information

*Provide a list of power outages suffered in the past due to high wind events (Historical data for 3 or more events is preferred); and include any expenses that the City/County incurred attending the emergency.*

| ID | Date of Event | Storm Name | Power Outage Duration (Hrs./Days) | Expense Description | Documented Cost ($) |
|---|---|---|---|---|---|
| | | | | | |
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## Section VI – Additional Information

*Please use this page to expand on the information provided above or to include any additional information relevant to the proposed mitigation project.*

The City of Ormond Beach is seeking replacement of a fixed generator at its Water Treatment Plant (WTP), located at 298 Tomoka Avenue, in order to ensure continuity of operations during disaster events and power surges. Without continuous power to the WTP, there is a risk that the community may lose access to treated drinking water during major events. The existing generator, an 1100 KW Cummins, provides power to the lime softening portion of the WTP and was installed in 2002.

# GENERATOR(S) WORKSHEET INSTRUCTIONS

Refer to the instructions below to complete the Generator(s) Worksheet using the best available data.

## Section I – Project General Information

**Project Name:** Enter the name of the project title. The title should be short but descriptive (e.g., City of Orlando, Police Station, Backup Generator).

**Sub-Applicant:** Enter your organization's legal name.

**Worksheet completed by:** Enter name, title, phone number, and email of the person completing this Worksheet. This person must have the knowledge and/or the resources to accurately answer all questions and provide supporting documentation, as needed. Information may come from multiple creditable sources.

## Section II – Project Cost Information

**Mitigation Project Cost:** Enter the total cost of the project. A lump sum on this worksheet is acceptable for preliminary BCA, but a detailed breakdown attached to your application is required.

**Annual Maintenance Cost:** Enter the cost associated with maintaining the effectiveness of the components installed as part of the utility mitigation project.

## Section III – Project Specific Information

**Project Location:** Provide the physical address(es) of the critical facility(es) that will be supported by the proposed generator(s). For multiple locations, please provide information on Section VI of this worksheet.

**Type of proposed generator:** From the dropdown menu option, select the proposed type of generator(s):

- Permanent Generator: A permanently installed generator that provides a secondary source of power by being hard-wired into the facility's main distribution panel and can be started manually or automatically in the event of a power outage.
- Portable Generator: A non-fixed generator that works with stand-alone applications and is meant to temporarily provide a secondary source of power to energize critical functions.

**Proposed Capacity (kW):** The generator's size and specifications should be reasonable, appropriate and necessary to continuing critical functions of the facility. The generator(s) should be sized appropriately such that the facility is able to provide uninterrupted critical functions in the event of future power outages.

**Type of Fuel:** Specify the type of fuel to power the proposed generator (e.g., diesel, propane, natural gas, gasoline, etc.)

**Type of Fuel Tank:** Specify the type of fuel tank, if applicable (e.g., Sub-base, stand-alone above ground, stand-alone underground, etc.)

**Fuel Tank Storage Capacity (gallons) & Duration (hours):** Specify the fuel tank storage capacity and duration, if applicable. The fuel tank storage capacity and duration must be sufficient to mitigate risk from the natural hazard.

**Proposing to install a new ATS?** Select "Yes" if you are proposing to install a new Automatic Transfer Switch (ATS) as part of the proposed mitigation project. Select "No" if a new ATS is not necessary and provide an explanation.

**Constructing a new concrete Pad?** Select "Yes" if you are proposing to construct a new concrete pad to install the new generator. Select "No" if a new concrete pad is not necessary and provide an explanation.

**Is there an existing generator?** Select "Yes" if there is an existing generator at the project site; Otherwise, select "No".

**Specify capacity of the existing Generator (kW):** If there is an existing generator at the project site, please specify its capacity.

## Section IV – Loss of Service

FIRE STATION

**How many people are served by the Fire Station?** Enter the number of people served by the fire station. If only one fire station serves the entire population of a community, that number may be used. For larger communities with multiple fire stations, only the population directly served by the station being mitigated can be used. Documentation for the service population can come from the fire station, local planning office, or other creditable source.

**Does the fire station provide Emergency Medical Services (EMS)?** Select "Yes" if the fire station provides EMS or has EMS trained personnel; Otherwise, select "No".

**Provide the address of the nearest fire station:** The nearest fire station would serve as an alternative station to provide fire protection due to loss of function of the fire station being mitigated.

**Provide the address of the nearest fire station with EMS:** The nearest fire station would serve as an alternative station to provide EMS and fire protection due to loss of function of the

fire station being mitigated. (If the nearest fire station also provides EMS, please provide same address).

POLICE STATION

**How many people are served by this police station?** Enter the number of people served by the police station. If only one police station serves the entire population of a community, that number may be used. For larger communities with multiple police stations, only the population directly served by the station being mitigated can be used. Documentation for the service population can come from the police station, local planning office, or other creditable source.

**How many police officers work or report to this police station?** Enter the number of sworn officers that work or report at this location.

**How many police officers have a designated office space at this police station?** Enter the number of police officers that have a designated office space at this police station. It is assumed that police officers with a designated office space would be restricted to perform their regular duties if the police station were shut down due to a disaster. This information is necessary to estimate the loss of function due to the increased crime caused by a reduction of police officers in service.

HOSPITAL

**How many people are being served by this hospital?** Enter the number of people being served by this hospital. Only the population directly served by the hospital being mitigated can be used. Documentation for the service population can come from the hospital, local planning office, or other creditable source.

**Provide the address of the nearest hospital capable of providing the same type of service:** Identify the nearest hospital capable of providing similar services as the hospital being mitigated.

**How many people are being served by the nearest hospital capable of providing the same type of service?** Enter the number of people served by the nearest hospital capable of providing the same service. Only the population directly served by the alternative hospital can be used. Documentation for the service population can come from the alternative hospital, local planning office, or other creditable source.

UTILITY

**Select the type of utility:** From the dropdown menu, select the type of utility that will be powered by the proposed generator.

**Number of customers directly served by the system:** Enter the number of the customers (people) directly connected to the location(s) that will be mitigated. The number of customers affected by the loss of service can be obtained from the entity, agency, or company providing the utility service. The documentation should be in the form of a letter from the utility on their letterhead. For multiple locations, specify the number of customers connected to each specific location.

OTHER

**Specify Facility Name:** Enter the name of the critical facility that will be mitigated.

**What is the Annual Operational Budget for this critical facility?** Enter the annual budget for the critical facility that is being mitigated. Documentation should include the annual budget for the building that is being mitigated. If the building houses multiple local agencies, the cumulative budget should be used. Alternately, if the annual budget is for an entire school district and one of the buildings is being mitigated, documentation should include how the annual budget was calculated for the single school building.

## Section V – Historical Damage Information

**Date of Event:** Enter the date of historical outage event.

**Storm Name:** Enter the name given to the natural hazard event when damage occurred.

**Power Outage Duration (Days):** Enter the number of days the critical facility was impacted by the loss of service due to a power outage. Documentation should be in the form of a letter from the utility on their letterhead or from the entity or agency reporting the outages.

**Expense Description:** Describe any additional expenses incurred by the City or County while attending the emergency during each historic damage event. Documented expenses may include but are not limited to renting portable generators, chillers, overtime paid to personnel to attend the emergency, etc.

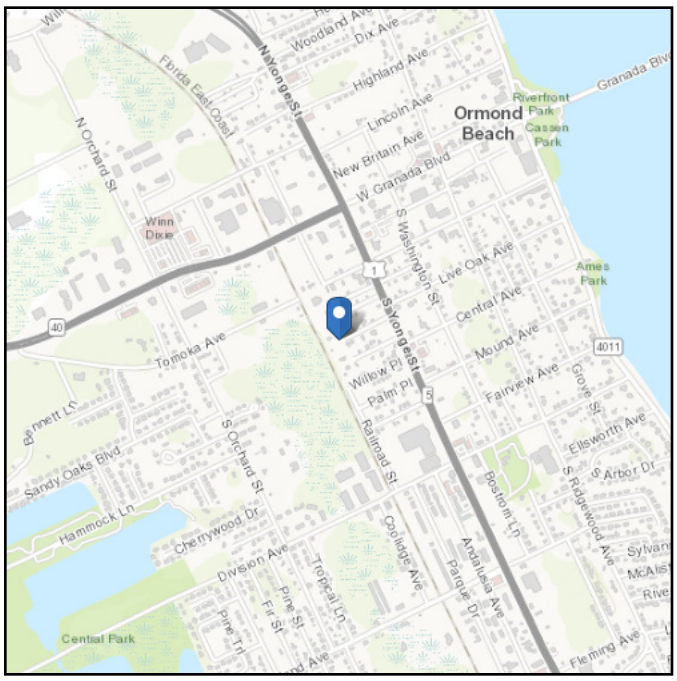
**Expense Cost ($):** Enter the total cost of the additional expenses incurred by the County or City.

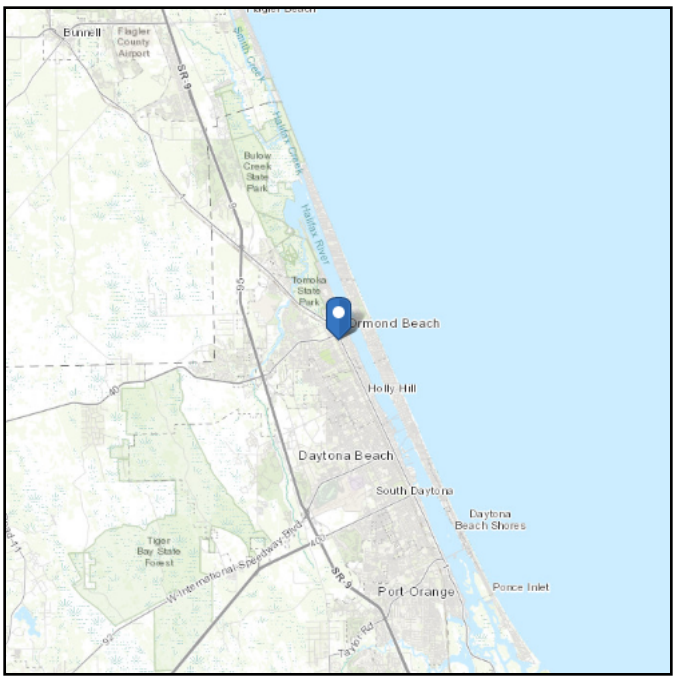
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** I
**Soil Class:** Default

**Latitude:** 29.2789
**Longitude:** -81.0622
**Elevation:** 7.16503155474032 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 126 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1A and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 15% probability of exceedance in 50 years (annual exceedance probability = 0.00333, MRI = 300 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings need not be protected against wind-borne debris.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

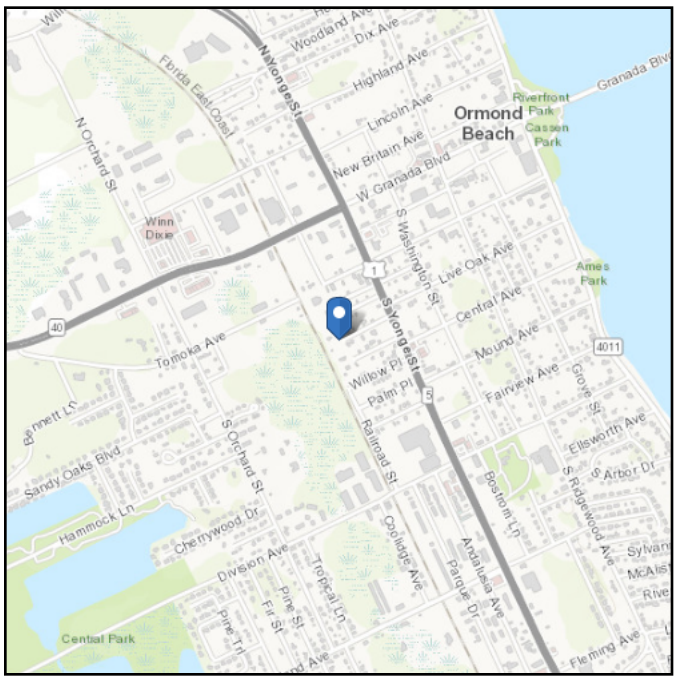
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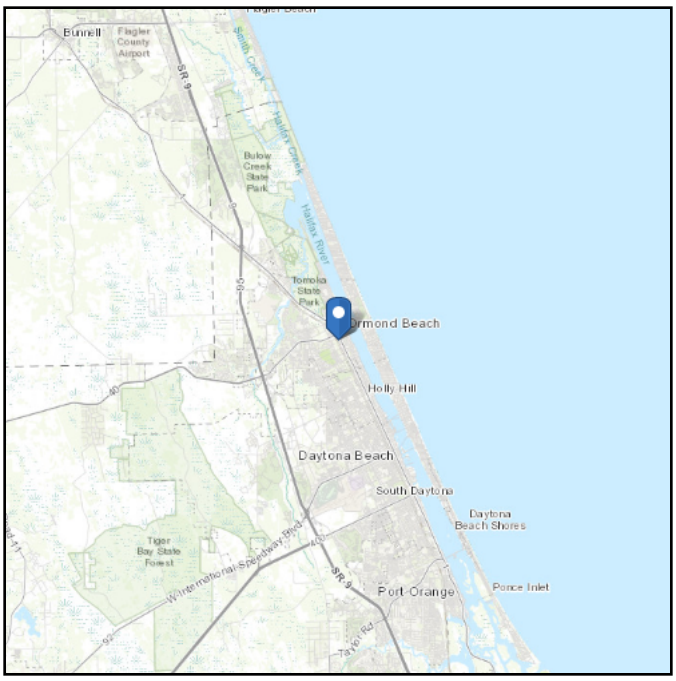
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# ASCE Hazards Report

**Address:**
No Address at This Location

| | | | |
|---|---|---|---|
| **Standard:** | ASCE/SEI 7-22 | **Latitude:** | 29.2789 |
| **Risk Category:** | II | **Longitude:** | -81.0622 |
| **Soil Class:** | Default | **Elevation:** | 7.16503155474032 ft (NAVD 88) |




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 136 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1B and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (annual exceedance probability = 0.00143, MRI = 700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings need not be protected against wind-borne debris.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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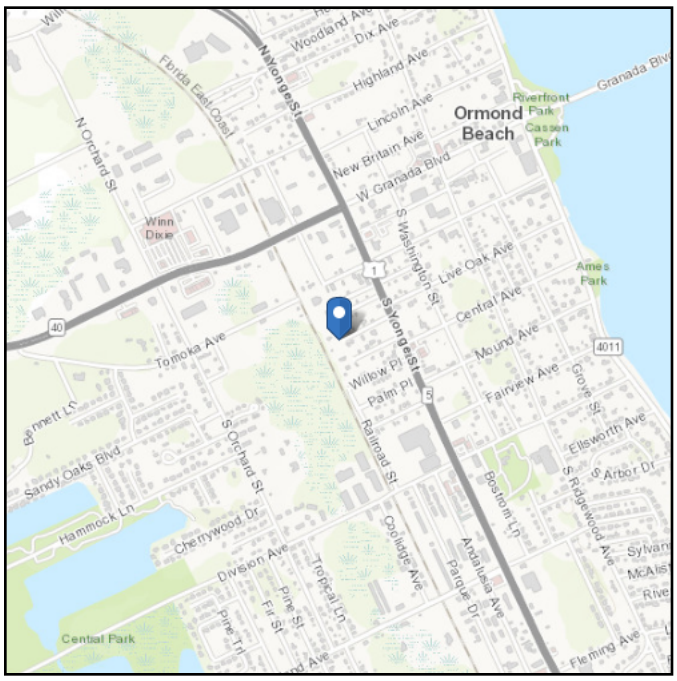
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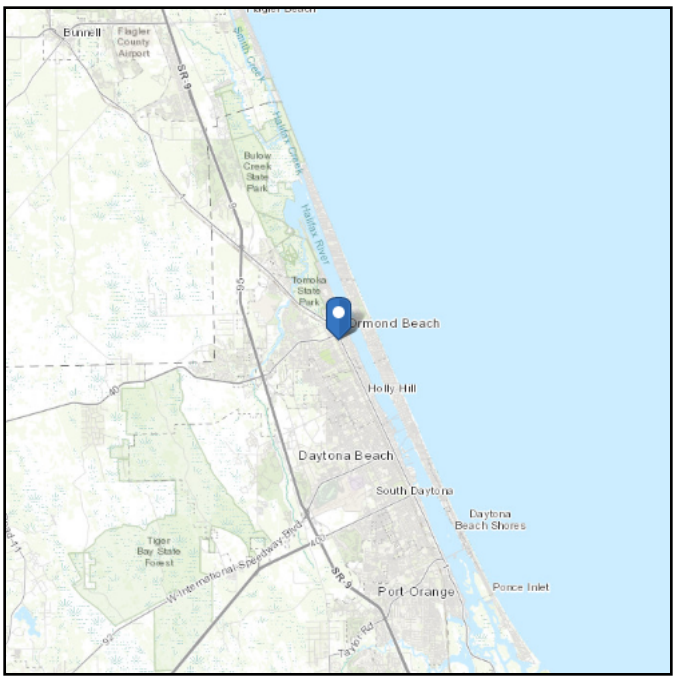
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** III
**Soil Class:** Default

**Latitude:** 29.2789
**Longitude:** -81.0622
**Elevation:** 7.16503155474032 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 146 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1C and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (annual exceedance probability = 0.000588, MRI = 1,700 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

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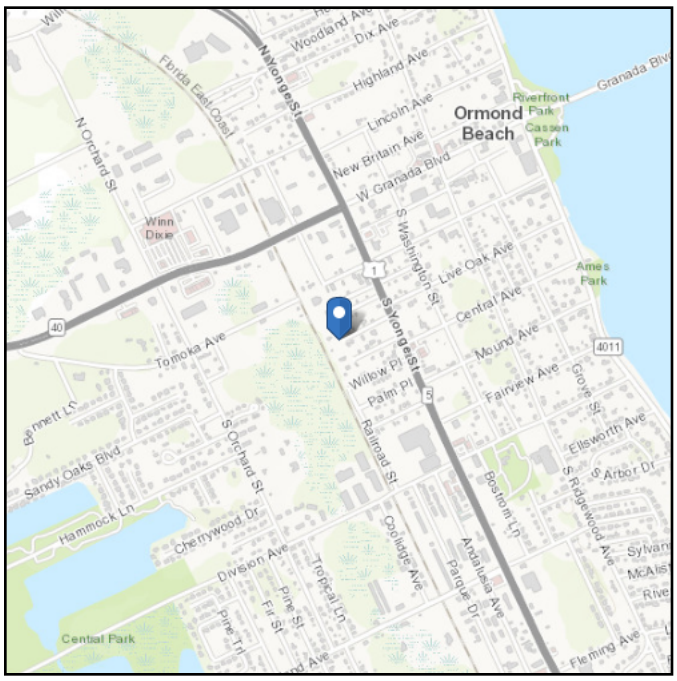
In using this Tool, you expressly assume all risks associated with your use. Under no circumstances shall ASCE or its officers, directors, employees, members, affiliates, or agents be liable to you or any other person for any direct, indirect, special, incidental, or consequential damages arising from or related to your use of, or reliance on, the Tool or any information obtained therein. To the fullest extent permitted by law, you agree to release and hold harmless ASCE from any and all liability of any nature arising out of or resulting from any use of data provided by the ASCE Hazard Tool.

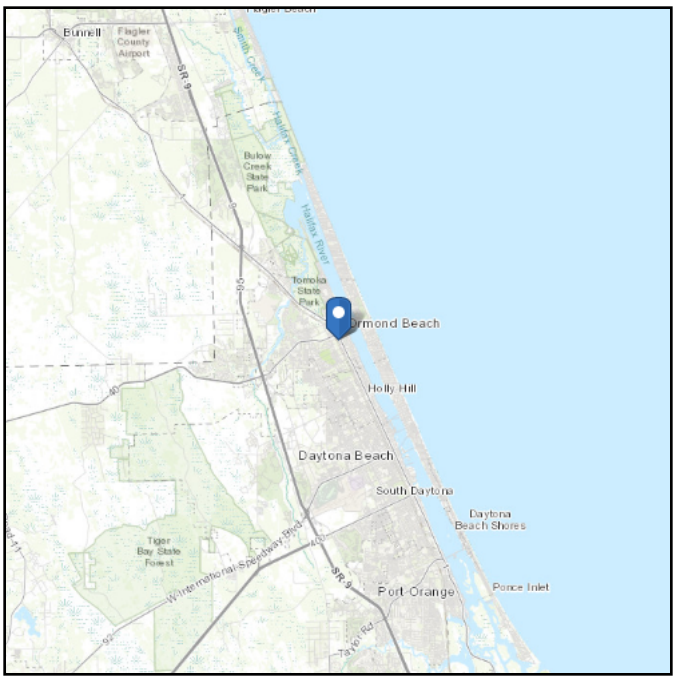
# ASCE Hazards Report

**Address:**
No Address at This Location

**Standard:** ASCE/SEI 7-22
**Risk Category:** IV
**Soil Class:** Default

**Latitude:** 29.2789
**Longitude:** -81.0622
**Elevation:** 7.16503155474032 ft (NAVD 88)




## Wind

**Results:**

| | |
|---|---|
| Wind Speed | 152 Vmph |
| 10-year MRI | 79 Vmph |
| 25-year MRI | 91 Vmph |
| 50-year MRI | 101 Vmph |
| 100-year MRI | 111 Vmph |
| 300-year MRI | 126 Vmph |
| 700-year MRI | 136 Vmph |
| 1,700-year MRI | 146 Vmph |
| 3,000-year MRI | 152 Vmph |
| 10,000-year MRI | 163 Vmph |
| 100,000-year MRI | 189 Vmph |
| 1,000,000-year MRI | 211 Vmph |

Data Source: ASCE/SEI 7-22, Fig. 26.5-1D and Figs. CC.2-1–CC.2-4, and Section 26.5.2
Date Accessed: Fri Jun 13 2025

Value provided is 3-second gust wind speeds at 33 ft above ground for Exposure C Category, based on linear interpolation between contours. Wind speeds are interpolated in accordance with the 7-22 Standard. Wind speeds correspond to approximately a 1.6% probability of exceedance in 50 years (annual exceedance probability = 0.00033, MRI = 3,000 years). Values for 10-year MRI, 25-year MRI, 50-year MRI and 100-year MRI are Service Level wind speeds, all other wind speeds are Ultimate wind speeds.

Site is in a hurricane-prone region as defined in ASCE/SEI 7-22 Section 26.2. Glazed openings shall be protected against wind-borne debris as specified in Section 26.12.3.

The ASCE Hazard Tool is provided for your convenience, for informational purposes only, and is provided “as is” and without warranties of any kind. The location data included herein has been obtained from information developed, produced, and maintained by third party providers; or has been extrapolated from maps incorporated in the ASCE standard. While ASCE has made every effort to use data obtained from reliable sources or methodologies, ASCE does not make any representations or warranties as to the accuracy, completeness, reliability, currency, or quality of any data provided herein. Any third-party links provided by this Tool should not be construed as an endorsement, affiliation, relationship, or sponsorship of such third-party content by or from ASCE.

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# Environmental & Historic Preservation Worksheet

For preliminary Environmental and Historic Preservation review conducted by the State Mitigation Technical Team

**Important**: The State of Florida Mitigation Technical Unit will conduct the Environmental and Historic Preservation (EHP) Review for your project and the following information is needed. Once a preliminary review of the application and worksheet is conducted, the assigned Environmental Specialist will reach out with any questions or needs for clarification.

**Note**: A completed EHP Worksheet will expedite the Technical Review. Completion of this worksheet does not guarantee additional information will not be required. If additional information or clarification is needed during application review, the reviewer will contact you.

## Requirements

The following information is the minimum amount of technical information required to complete the EHP review. Data collected in this document will provide reviewers with preliminary information necessary to evaluate potential environmental impacts.

All projects require an EHP review conducted by the technical team in order to achieve funding.

## Section I – Project General Information

| | |
|---|---|
| Project Name: City of Ormond Beach, Water Treatment Plant Generator Replacement | Worksheet completed by:<br>Name: Shawn Finley<br>Title: Assistant City Manager<br>Phone: 386-676-3582<br>Email: Shawn.Finley@ormondbeach.org |
| Sub-Applicant: | |

**For additional information and resources, please refer to FEMA's Environmental Planning and Historic Preservation checklist for Hazard Mitigation Assistance Application Reviews.**

## Section II – Project Location

*The table below allows data for up to 8 locations. If your project has more than 8 locations, you can either submit a second EHP Worksheet or attach a separate list providing the information requested below and in Section III.*

| ID | Project Location | Coordinates | *Age of Structure | Ground Disturbance? | Critical Action |
|---|---|---|---|---|---|
| 1. | 298 Tomoka Avenue, Ormond Beach, Florida 32174 | 29.280560, -81.062826 | 55 years | -Select- | -Select- |
| 2. | | | | -Select- | -Select- |
| 3. | | | | -Select- | -Select- |
| 4. | | | | -Select- | -Select- |
| 5. | | | | -Select- | -Select- |
| 6. | | | | -Select- | -Select- |
| 7. | | | | -Select- | -Select- |
| 8. | | | | -Select- | -Select- |

**Applicable only if the proposed project involves a structure.*

## Section III –Environmental Details

| ID | Flood Zone | FIRM Panel # | Panel Date | Preliminary Panel Available? | Preliminary Flood Zone | Preliminary Panel # | In a Wetland or Waterbody? | Seaward of CCCL? |
|---|---|---|---|---|---|---|---|---|
| 1. | AE | 12127C0218K | 9/29/2017 | -Select- | | | No | No |
| 2. | | | | -Select- | | | -Select- | -Select- |
| 3. | | | | -Select- | | | -Select- | -Select- |
| 4. | | | | -Select- | | | -Select- | -Select- |
| 5. | | | | -Select- | | | -Select- | -Select- |
| 6. | | | | -Select- | | | -Select- | -Select- |
| 7. | | | | -Select- | | | -Select- | -Select- |
| 8. | | | | -Select- | | | -Select- | -Select- |

## Section IV – Additional Information

Please use this page to expand on the information provided above or to include any additional information relevant to the proposed mitigation project.

## Section V – Minimum Required Supporting Documents Checklist

Below are the minimum supporting documents that each project needs in order to conduct an EHP Review. Please check each item off as they are uploaded into the application.

| | |
|---|---|
| Aerial Map | ✔ |
| Photographs | |
| FIRM/FIRMette | ✔ |
| Age Verification Documentation | |
| 1:24,000 Topographic Map | ✔ |

## Section VI – Additional Supporting Documents Checklist

Below are additional supporting documents that may be required in order to conduct an EHP Review. Please check each item off as they are uploaded into the application as applicable.

| | |
|---|---|
| Ground Disturbance Map | |
| Public Notice Draft | |
| USACE/FDEP Section 404 Permit | |
| Environmental Resource Permit (ERP) | |
| Upstream/Downstream Impact Letter | |

# ENVIRONMENTAL & HISTORIC PRESERVATION WORKSHEET INSTRUCTIONS

Refer to the instructions below to complete the Environmental and Historic Preservation Worksheet using the best available data.

## Section I: Project General Info

**Project Name:** Enter the name of the project title. This title should be the same as described on the application and other attachments.
**Sub-Applicant:** Enter your organization's legal name.
**Worksheet completed by:** Enter name, title, phone number, and email of the person completing this worksheet.

## Section II: Project Location

**Project Location:** Provide a full description of the specific geographical location(s) such as address(es).
**Coordinates:** Provide latitude and longitude coordinates in decimal degree format (Example: 12.345678, -87.654321) for the location of project activities.
**Age of Structure:** The age of the structure where work will be performed. If no structure is involved, put "N/A."
**Ground Disturbance:** Will any groundwork occur to implement the project? Common ground disturbing activities include installation of concrete pads, site preparations, running electrical conduits, trenching, directional boring, and excavation. If ground disturbing activities are occurring, a Ground Disturbance Map is required to be attached to the application. See Section IV instructions for more details.
**Critical Action**: Is the project a critical action. Critical actions are definite as an action for which even a slight change of flooding is too great. Activities related to a critical action must be protected to against a 500-year (0.2% annual chance) flood event. Examples of critical actions would be eligible generator projects or actions related to critical facilities.

## Section III: Environmental Details

**Flood Zone:** List all flood zones that the project activities will be within. Flood mapper: https://msc.fema.gov/portal/home.
**FIRM Panel:** List all FIRM Panel Number(s) that a location will be in.
**Preliminary Panel Available:** Is there a pending Preliminary FIRM Panel for the project area? Yes or No.
**Preliminary Panel #:** List all Preliminary FIRM Panel Number(s) that a location will be in.
**In a Wetland or Waterbody:** Is the project in a wetland or a body of water? Wetland Mapper: https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/.
**Seaward of CCCL:** Does the project have activities seaward of the Coastal Construction Control Line (CCCL). CCCL Mapper: https://ca.dep.state.fl.us/mapdirect/?webmap=a8c9e92fbad5446d987a8dd4ee5dc5cc.

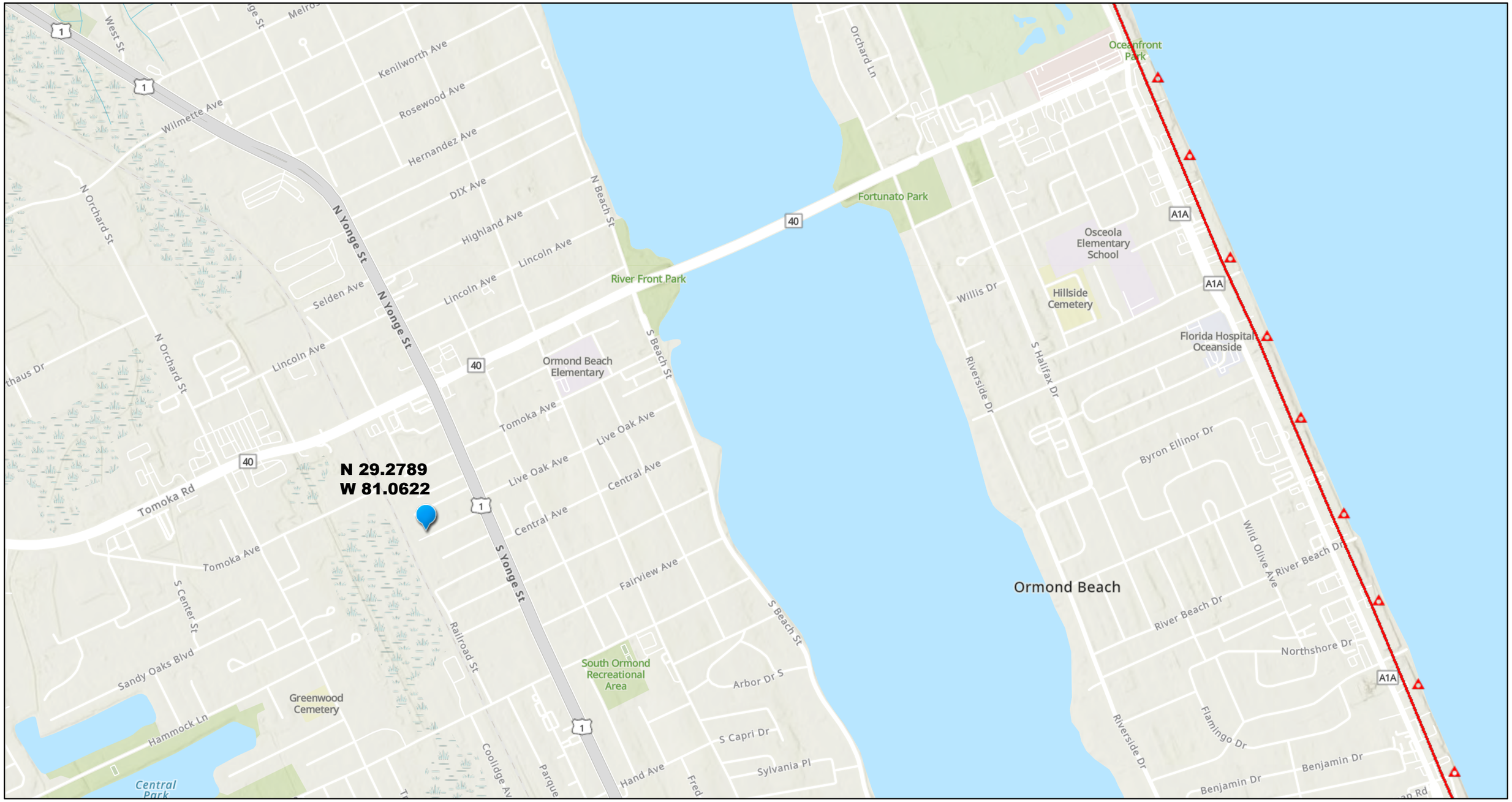
## Section V: Minimum Required Supporting Documents Checklist

**Aerial Map:** A good aerial map will contain a clear indication of where the project will be occurring and will include coordinates to the project area.
**Photographs:** Photos should be clear and represent the project area. Labels should indicate what the photos contain. Photos should show all sides of a structures if included in project activities.
**FIRM/FIRMette:** Project location should be clearly indicated on the map.
**Age Verification Documentation:** Documentation that shows the year the structure was built. As-builts or property appraiser website information are the most common forms of documentation.
**1:24,000 Topographic Map:** A topographic map with a scale of 1:24,000 with the project location outlined/ indicated.

## Section VI: Additional Supporting Documents Checklist

**Ground Disturbance Map:** Required for project that includes any ground disturbance. The map shall include activities clearly outlined, coordinates for ground disturbance, area dimensions, and depth of disturbance.
**Public Notice Draft:** Required for flood mitigation projects, critical actions in a Shaded X flood zone or greater, or any project type in a Special Flood Hazard Area (SFHA). Only a draft should be submitted with the application, the reviewer will reach out when it is the appropriate time to post. The template can be found under the Application Section at https://www.floridadisaster.org/dem/mitigation/hazard-mitigation-grant-program/.
**USACE/FDEP Section 404 Permit:** A Section 404 Permit or notice of No Permit Required (NPR) is needed for any project that is in or affects a wetland or body of water. Florida has 2 agencies that provide this permit, US Army Corps of Engineers and Florida Department of Environmental Protection. To determine which jurisdiction your project area falls into, use the following link. Please note that projects falling under multiple jurisdictions will require permits or NPRs from both agencies. https://fdep.maps.arcgis.com/apps/webappviewer/index.html?id=2cb8724cfd18408db80c8f2d7bb68a2e.
**Upstream/Downstream Impact Letter:** Drainage projects ready for construction require a letter from the Professional of Record stating if the project will have any upstream or downstream impacts.

# Coastal Construction Control Line




June 13, 2025

CCCL

Coastal Range Monuments

Range Monuments

298 Tomoka Avenue, Ormond Beach, FL 32174

1:13,338

0 0.13 0.25 0.5 mi

0 0.23 0.45 0.9 km

Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, FDEP, WRM, BCMS

Map created by Map Direct, powered by ESRI. Scale 1:9027

Florida Department of Environmental Protection makes no warranty,expressed or implied,or assumes any legal liability or responsibility for the accuracy,completeness,or usefulness of any information,apparatus,product,or process disclosed,or represents that its use would not infringe privately owned rights.

OMB Number: 4040-0004
Expiration Date: 12/31/2022

## Application for Federal Assistance SF-424

* 1. Type of Submission:
- [ ] Preapplication
- [x] Application
- [ ] Changed/Corrected Application

* 2. Type of Application:
- [x] New
- [ ] Continuation
- [ ] Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

4. Applicant Identifier: HMGP MILTON WTP

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

**State Use Only:**

6. Date Received by State:

7. State Application Identifier: Florida

**8. APPLICANT INFORMATION:**

* a. Legal Name: City of Ormond Beach

* b. Employer/Taxpayer Identification Number (EIN/TIN): 59-6000398

* c. UEI: P7N5EWNDK217

**d. Address:**

* Street1: 22 South Beach Street
Street2:
* City: Ormond Beach
County/Parish: Volusia
* State: FL: Florida
Province:
* Country: USA: UNITED STATES
* Zip / Postal Code: 32174-6836

**e. Organizational Unit:**

Department Name: Public Works

Division Name: Utilities

**f. Name and contact information of person to be contacted on matters involving this application:**

Prefix:
* First Name: Loretta
Middle Name:
* Last Name: Moisio
Suffix:

Title: Grants Coordinator

Organizational Affiliation: City of Ormond Beach

* Telephone Number: 3866763315
Fax Number:

* Email: Loretta.Moisio@ormondbeach.org

## Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

FEMA

**11. Catalog of Federal Domestic Assistance Number:**

97-039

CFDA Title:

Hazard Mitigation Grant Program

*** 12. Funding Opportunity Number:**

DR-4834-FL

* Title:

Hurricane Milton

**13. Competition Identification Number:**

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Water Treatment Plant Generator Replacement

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

## Application for Federal Assistance SF-424

**16. Congressional Districts Of:**

* a. Applicant: 6 * b. Program/Project: 6

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment | Delete Attachment | View Attachment

**17. Proposed Project:**

* a. Start Date: 01/01/2026 * b. End Date: 12/31/2029

**18. Estimated Funding ($):**

| | |
|---|---|
| * a. Federal | 1,207,500.00 |
| * b. Applicant | 402,500.00 |
| * c. State | |
| * d. Local | |
| * e. Other | |
| * f. Program Income | |
| * g. TOTAL | 1,610,000.00 |

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .

☒ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☐ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

☐ Yes ☒ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

**21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

| | |
|---|---|
| Prefix: | |
| * First Name: | Joyce |
| Middle Name: | |
| * Last Name: | Shanahan |
| Suffix: | |
| * Title: | City Manager |
| * Telephone Number: | 3866763200 |
| Fax Number: | |
| * Email: | Joyce.Shanahan@ormondbeach.org |
| * Signature of Authorized Representative: | |
| * Date Signed: | |

# ASSURANCES - CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

**NOTE:** Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will not dispose of, modify the use of, or change the terms of the real property title, or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal interest in the title of real property in accordance with awarding agency directives and will include a covenant in the title of real property aquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.

4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.

5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progress reports and such other information as may be required by the assistance awarding agency or State.

6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.

14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

| SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL | TITLE<br>City Manager |
|---|---|
| APPLICANT ORGANIZATION<br>City of Ormond Beach | DATE SUBMITTED |

**SF-424D (Rev. 7-97) Back**

Print Form

# AUTHORIZING AGENT APPROVAL

For those entities applying for the Hazard Mitigation Grant Program (HMGP), assurance is needed to ensure that non-federal funds are, or will be, secured for the proposed action by the project start date. An Authorizing Agent's signature is needed to provide this. An Authorizing Agent is the chief elected official of a local government who has signature authority, such as a Chairperson of the Board of County Commissioners for a County, the Mayor of a municipality, or an elected Board Member for a private non-profit. Any entity may delegate this authority to a subordinate official by resolution of the governing body. If this is the case, Proof of Authorization must be provided as a separate attachment in Section VI of the relevant HMGP application in DEMES. This form must be fully completed, signed, and submitted into DEMES for an application to be received by FDEM. Applicants will be prompted for this form in the final step of the DEMES HMGP application. Ensure that the information provided here matches the relevant DEMES application. For questions, please email DEM_HazardMitigationGrantProgram@em.myflorida.com.

## PROJECT INFORMATION

| | |
|---|---|
| APPLICANT (ENTITY): | City of Ormond Beach |
| COUNTY: | Volusia |
| FEMA DISASTER: | FEMA-4834-DR-FL |
| PROJECT TITLE: | Water Treatment Plant Generator Replacement |
| TOTAL PROJECT COST: | $1,610,000.00 |
| FEDERAL SHARE: | $1,207,500.00 |
| NON-FEDERAL SHARE: | $402,500.00 |

## AUTHORIZING AGENT

| | |
|---|---|
| FIRSTNAME: | Joyce |
| LAST NAME: | Shanahan |
| TITLE: | City Manager |
| ADDRESS: | 22 South Beach Street |
| CITY: | Ormond Beach |
| STATE: | Florida |
| ZIP CODE: | 32174 |
| PHONE: | 386-676-3200 |
| EMAIL: | Joyce.Shanahan@ormondbeach.org |

The undersigned assures fulfillment of all requirements of the Hazard Mitigation Grant Program, as contained in the program guidelines, and affirms that all information contained in this application is true and correct to the best of my knowledge. The governing body of the applicant duly authorized the document, and hereby applies for the assistance documented in this application.

AUTHORIZING AGENT SIGNATURE

July 22, 2025
DATE

☒ Proof of Authorization – Delegation of Authority attached in Section VI

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.E. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | CDBG Division Avenue North Side Sidewalk Improvements | | |
| **Recommended Action** | Staff recommends awarding the bid to All Construction Group of North Florida, Inc., in the amount of $56,100 for the construction of Division Avenue North Side Sidewalk Improvements. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Public Works - Engineering<br>Alex Schumann, City Engineer | | |

Summary

This is a request for the City Commission to award a bid to install CDBG Division Avenue North Side Sidewalk Improvements.

On January 7, 2025, with the approval of Resolution 2025-21, the City Commission approved amendments (fully executed 2/7/25) to the City's Subrecipient Agreements with Volusia County for CDBG FY 2021-22 and FY 2022-23 to redirect excess funding to the Division Avenue Sidewalk Improvements project as a Department of Housing and Urban Development (HUD) approved eligible activity.

This sidewalk project includes removing an existing 4' foot non-American Disabilities Act (ADA) deteriorated concrete sidewalk and replacing it with a new 5' foot ADA-compliant concrete sidewalk, including ADA-compliant detectable mats and curbing. This project will be in strict accordance with ADA requirements, the approved plans, specifications and Invitation to Bid. This project is located on the north side of Division Avenue from Bostrom Lane to South Ridgewood Avenue.

This project was advertised on April 20, 2025. On May 28, 2025, four bids were received, ranging from $56,100 to $140,070. The lowest bid was All Construction Group of North Florida, Inc., who submitted a base bid of $19,550 and included 2 bid alternates at $36,550, for a total bid of $56,100. The bid alternates provide for the project scope to be from Bostrom Lane to South Ridgewood Avenue.

Financial Impact

Funding for this project will come from CDBG FY 2022-23 and 2021-22 funds, in the amount of $40,305, which will be reimbursed by Volusia County. The remaining $15,795 will be funded from Fund 308-Transportation Fund. A budget amendment will be required if this item is approved.

Citizen Impact

The construction of this new sidewalk will have short-term impacts on the residents and the public while the project is being completed. Residents will be notified prior to the project starting. Following the project, citizens and visitors will be able to enjoy and utilize this walkway.

Attachments

1. 25-106 Division Ave Sidewalk Impv-All Construction (P25-0075G)
2. All Construction Bid Documents
3. 31B_Division_Sidewalks_Map_CDBG_2025
4. Bid 2025-17 signed bid tab

**RESOLUTION NO. 2025-106**

A RESOLUTION ACCEPTING THE BID OF ALL CONSTRUCTION GROUP OF NORTH FLORIDA, INC. REGARDING THE DIVISION AVENUE NORTH SIDE SIDEWALK IMPROVEMENTS PROJECT, UNDER BID NO. 2025-17; REJECTING ALL OTHER BIDS; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** the City advertised for bids (Bid No. 2025-17) regarding the Division Avenue north side (from Bostrom Lane to South Ridgewood Avenue) sidewalk improvements project ("Project") in accordance with Section 2-300, *Code of Ordinances,* and

**WHEREAS**, the appropriate City staff members have reviewed the four (4) bids received and have determined that the bid submitted by All Construction Group of North Florida, Inc. with a base bid of $19,550.00 plus bid alternate #1 at $14,400.00, plus bid alternate #2 at $22,150.00 for a total bid in the amount of $56,100.00 is the lowest responsible and responsive bid (a copy of said bid being attached hereto and incorporated herein by reference), and

**WHEREAS,** the City Manager has certified that funds have been appropriated to the credit of the Sidewalk Repair Fund for the Project and have not been appropriated for any other purpose, and

**WHEREAS,** the City Commission concurs in the said determination and recommendation, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The bid submitted by All Construction Group of North Florida, Inc. to provide services for the Project at a cost not to exceed $56,100.00 is hereby accepted.

**SECTION TWO.** All other bids to provide services for the Project are hereby rejected upon the execution of a contract with

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute a contract between the City and All Construction Group of North Florida, Inc. for the performance of the Project at the said price, and to pay the cost therefor from the Sidewalk Repair Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**SECTION 00300**
**BID**

CONTRACTORS NAME All Construction Group of North FL, Inc. LICENSE NO. PROJECT

IDENTIFICATION: **CDBG – DIVISION AVENUE NORTH SIDE SIDEWALK IMPROVEMENTS**

CONTRACT IDENTIFICATION AND NUMBER: Bid No. **2025-17**

THIS BID IS SUBMITTED TO:
(Name and Address of Owner)

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.

2. BIDDER certifies that he has investigated the requirements to do business in the jurisdiction where the project is located, and that he is either qualified to do business or will obtain such prequalification prior to award of the contract.

3. BIDDER accepts all of the terms and conditions of the Instructions to Bidders (Section 00100) including, without limitation, those dealing with the disposition of Bid Security, Public Entity Crimes, and Minority Policies. This Bid will remain open for 90 days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract security and other documents required by the Contract Documents within ten (10) days after the date of OWNER'S Notice of Award.

4. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Contract Documents and of the following addenda:

| Date | Number |
|---|---|
| 5/19/2025 | Addendum No.1 |
| | |
| | |
| | |

(receipt of all of which is hereby acknowledged) and also copies of the Advertisement to Bid and the Instructions to Bidders;

(b) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

(c) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over OWNER; and

5. BIDDER will complete the Work for the following price(s):

## BID SCHEDULE

| Item No. | Description | Unit | Total Estimated Price |
|---|---|---|---|
| 1. | Demolition from Bostrom Lane to East Side of South Washington Street Sidewalk for Existing 4' Sidewalk & curbing *Approximately 1,052 SF & 30 LF Curbing* Includes Removal and Disposal | LS | $ 3,405.89 |
| 2. | Install from Bostrom Lane to East Side of South Washington Street Sidewalk for 5' ADA Sidewalk at 4" depth *Approximately 1,268 SF for Sidewalk & 30 LF for curbing modifications* Includes – Layout, Excavation, Compacted Base, 4" - 3,000 PSI Concrete Complete Restoration (including Bahia sod) | LS | $ 15,118.77 |
| 3. | Install Three (3) ADA Detectable Warning Mats (FDOT Approved) from Bostrom Lane to Washington Street | LS | $ 1,025.34 |
| TOTAL BASE BID | | | $ 19,550.00 (Figures) |

nineteen thousand five hundred fifty dollars and no cents
(Words)

*** Bidder is responsible to verify all takeoffs as this is a lump sum bid. Bid in accordance with the plans, scope and specifications.**

**BID ALTERNATE 1:**

1. Demolition from East Side of South Washington Street sidewalk to Roosevelt Drive for Existing 4' Sidewalk
   *Approximately 803 SF for Sidewalk & Tree Removal*
   Includes Removal and Disposal
   LS $2,374.07

2. Install from East Side of South Washington Street sidewalk to Roosevelt Drive for 5' ADA Sidewalk at 4" depth
   *Approximately 873 SF for Sidewalk*
   Includes – Layout, Excavation, Compacted Base, 4" - 3,000 PSI Concrete
   Complete Restoration (including Bahia sod)
   LS $ 9,272.57

3. Install from East Side of South Washington Street sidewalk Right of way to Roosevelt Drive, Driveway Aprons at 6" depth
   *Approximately 150 SF*
   Includes – Layout, Excavation, Compacted Base, 6" - 3,000 PSI Concrete
   Complete Restoration (including Bahia sod)
   LS $ 2,405.17

4. Install One (1) ADA Detectable Warning Mats (FDOT Approved) from East Side of South Washington Street sidewalk to Roosevelt Drive
   LS $ 348.19

TOTAL BID ALTERNATE 1 $ 14,400.00
(Figures)

fourteen thousand four hundred dollars and no cents
(Words)

*** Bidder is responsible to verify all takeoffs as this is a lump sum bid. Bid in accordance with the plans, scope and specifications.**

**BID ALTERNATE 2:**

1. Demolition from Roosevelt Drive to South Ridgewood Avenue for Existing 4' Sidewalk, Driveway Aprons & curbing
   *Approximately 1,137 SF for Sidewalk, 92 SF for Aprons & 15 LF for curbing & palm, bush & brush removals*
   Includes Removal and Disposal
   LS $ 3,781.37

2. Install Roosevelt Drive to South Ridgewood Avenue for 5' ADA Sidewalk at 4" depth
   *Approximately 1,248 SF for Sidewalk & 15 LF for curbing modifications*
   Includes – Layout, Excavation, Compacted Base, 4" - 3,000 PSI Concrete
   Complete Restoration (including Bahia sod)
   LS $ 14,080.99

3. Install from Roosevelt Drive to South Ridgewood Avenue Right of Way Driveway Aprons at 6" depth *Approximately 225 SF* Includes – Layout, Excavation, Compacted Base, 6" - 3,000 PSI Concrete Complete Restoration (including Bahia sod) — LS — $ 3,607.75

4. Install Two (2) ADA Detectable Warning Mats (FDOT Approved) from Roosevelt Drive to South Ridgewood Avenue — LS — $ 679.89

TOTAL BID ALTERNATE 2 $ 22,150.00 (Figures)

twenty two thousand one hundred fifty dollars and no cents (Words)

*** Bidder is responsible to verify all takeoffs as this is a lump sum bid. Bid in accordance with the plans, scope and specifications.**

**TOTAL FOR BASE BID:** $ 19,550.00

**TOTAL BID ALTERNATE 1:** $ 14,400.00

**TOTAL BID ALTERNATE 2:** $ 22,150.00

**Scope of Work**

The work consists of removing an existing 4' foot non-ADA deteriorated concrete sidewalk and replacing it with a new 5' foot ADA compliant concrete sidewalk, including ADA compliant detectable mats and curbing in strict accordance with the American Disabilities Act (ADA) requirements on the north side of Division Avenue from Bostrom Lane to South Ridgewood Avenue per the approved plans, specifications and Invitation to Bid. A bid alternate #1 section from east side of South Washington Street sidewalk to Roosevelt Drive and bid alternate #2 section from Roosevelt Drive to South Ridgewood Avenue, will be included if sufficient funding is available. All excavated material must be removed from the project sites. The City will also be responsible to contract with a material testing company but the contractor responsibility to coordinate with them to do the testing. Contractor is responsible to layout/ stake all proposed improvements for City approval **prior** to construction. **Note: Proposed cross-slopes can't exceed 2%, and running slopes must be less than 5%. All new concrete will be flush with; or feathered into existing grade as to not create tripping hazards.**

*This is a federally assisted project and is subject to Federal Labor Standards which include, the Davis-Bacon Act (payment of prevailing wage rates) and the Copeland Act (anti-kickback of wages & submission of weekly certified payroll reports), as well as other provisions including 24 CFR 85.36 (bonding requirements), and Section 3 & M/WBE. Laborers and mechanics employed by primary contractors and sub-contractors performing construction work on this project shall be paid wages at rates not less than the prevailing rates as determined by the Secretary of Labor in accordance with the Davis-Bacon Act. The prime contractor is responsible for the enforcement of wage compliance and support documentation for the duration of the project and may be held liable for wage restitution. The applicable information regarding the laws and regulations stated above are included in the bid packet.*

BIDDER acknowledges that the quantities are not guaranteed and final payment will be based on actual quantities determined as provided in the Contract Documents.

BIDDER agrees that the Work will be substantially completed within **60** calendar days after the date when the Contract Time commences to run, and completed within **90** calendar days after the date when the Contract Time commences to run.

BIDDER recognizes that time is of the essence to complete this Project and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The BIDDER also recognizes the delays, expense and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER has determined and BIDDER agrees to accept that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER **Three Hundred Dollars ($300.00)** for each calendar day that expires after the time specified above for substantial completion until the Work is substantially complete. After substantial completion, if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the time specified above for completion and readiness for final payment or any proper extension thereof granted by OWNER, CONTRACTOR shall pay the OWNER an amount equal to all actual expenses incurred by the OWNER as a direct result of the CONTRACTOR'S negligence, refusal, or failure to so complete the remaining work. In the event the CONTRACTOR is terminated or abandons the work prior to the scheduled date for final completion, the CONTRACTOR may be liable for both liquidated damages attributable to delay and for excess completion costs.

6. The following documents are attached to and made a condition of this Bid:

   (a) Required Bid Security in the form of

   (1) a certified check drawn in favor of the City of Ormond Beach in the amount of 5 percent of the total bid; or

   (2) a Bid Bond in the amount of 5 percent of the total bid.

   (b) Equipment, Material, and Subcontractors List

   (c) All information required by the Trench Safety Act (Part VI, Chapter 553, Florida Statutes).

   (d) Drug Free Workplace Certificate

   (e) Conflict, Non-Conflict of Interest, Litigation Statement

   (f) Verification of Employment Status Using E-Verify System

   (g) Affidavit of Compliance F.S. 287.138 Contracting with Foreign Entities of Concern

   (h) Human Trafficking Affidavit, Section 787.06, Florida Statutes

(i) **CDBG Requirements and Supplemental Conditions**

7. Communications to the BIDDER concerning this Bid shall be addressed to:

Mailing Address: 12654 Weeping Branch Circle
Street Address: 12654 Weeping Branch Circle
City, State, Zip Code: Jacksonville, Florida, 32218
Email: ddavis@allcgnf.com
Telephone No.: 904-305.7651 Fax No.: _____

8. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract DOCUMENTS have the meanings assigned to them in the General Conditions.

SUBMITTED on May 28, 2025.

If BIDDER is:

An Individual

By _____
(Individual's Name - Signature)

Dara Davis (SEAL)
(Individual's Name - Typed or Printed)

doing business as All Construction Group of North Florida, Inc.
Business address: 12654 Weeping Branch Circle
Jacksonville, Florida 32218

Phone No.: 904-305-7651
Fax No.: _____

If BIDDER is:

A Partnership

By _____ (SEAL)
(Firm Name)

_____
(General Partner - Signature)

_____
(General Partner - Typed or Printed)

Business Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

If BIDDER is:

A Corporation

By All Construction Group of North FL, Inc.
(Corporation Name)

Florida
(State of Incorporation)

By _____
(Name of Person Authorized to Sign - Signature)

Dara Davis
(Name of Person Authorized to Sign - Typed or Printed)

President
(Title)

(Corporate Seal)

Attest Dara Davis

Business address: 12654 Weeping Branch Circle
Jacksonville, FL 32218

Phone No.: 904.305.7651

Fax No.: _____

If BIDDER is:

A Joint Venture

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

EQUIPMENT AND SUBCONTRACTORS LIST

List the names of the manufacturers whose product is proposed for use. No more than one manufacturer's name shall be inserted for each item of material and/or equipment listed. Failure to list materials and equipment supplier may result in the Bid being rejected as incomplete and nonresponsive. If any Subcontractors are proposed to be used for any portions of the Work, the names, addresses, phone numbers and work classifications of each such Subcontractor must be listed. The failure to list all Subcontractors proposed for the work may result in the Bid being rejected as incomplete and nonresponsive. If more than one manufacturer or subcontractor is listed, selection will be made by the OWNER. If none is listed, those listed as the "Basis for Design" will be used.

Materials and Equipment:

| Item | Supplier |
|---|---|
| Form Boards | Home Depot |
| Limerock Base (as needed) | Gravelshop.com |
| 3,000 PSI Concrete | SMR Concrete |
| ADA Mats (FDOT Approved) | Ferguson Waterworks |
| Bahia Sod | A1-Sod |
| | |
| | |
| | |

The City of Ormond Beach reserves the right to require any bidder to submit such evidence of qualifications as it may deem necessary and may consider evidence available concerning the financial and other qualifications and abilities of a Contractor. Failure to provide all required information may result in the proposal being **rejected** as nonresponsive. The minimum qualifications for this project are as follows:

1. The contractor must have a minimum five (5) years-experience installing projects of a similar scope in nature with verifiable references in the following areas:

## Contractor References

**Municipal Projects**

| Project Name / City and State | Contact Information |
|---|---|
| 1. COJ ADA sidewalk Improvements, Jacksonville, FL | Nikita Reed, P.E./ 904.255.8702/ nreed@coj.net |
| 2. JTA Bus Stop Improvements, Jacksonville, FL | Quin Young / 904.632.5213/ qyoung@jtafla.com |

| | | |
|---|---|---|
| 3. | DCPS Jean Ribault High School, Jacksnville, FL | Mark Harvey / 904.85.1068/ mharvey@gilbaneco.com |

**Concrete Sidewalks and/or Parking**

| Project Name / City and State | Contact Information |
|---|---|
| 1. COJ ADA sidewalk Improvements, Jacksonville, FL | Nikita Reed, P.E./ 904.255.8702/ nreed@coj.net |
| 2. JTA Bus Stop Improvements, Jacksonville, FL | Quin Young / 904.632.5213/ qyoung@jtafla.com |
| 3. DCPS Jean Ribault High School, Jacksnville, FL | Mark Harvey / 904.85.1068/ mharvey@gilbaneco.com |

**Projects Exceeding $75K as Prime Contractor**

| Project Name / City and State | Contact Information |
|---|---|
| 1. COJ ADA sidewalk Improvements, Jacksonville, FL | Nikita Reed, P.E./ 904.255.8702/ nreed@coj.net |
| 2. Operation New Hope , Jacksonvile, FL | Reggie Fullwood /318.6881 / rfullwood@operationnewhope.org |
| 3. DCPS Jean Ribault High School, Jacksnville, FL | Mark Harvey / 904.85.1068/ mharvey@gilbaneco.com |

Subcontractors:

Work Classification: Subcontractor

Name: Curb Doctor Concrete, LLC

Address: 3424 Boulevard , Jacksonville Fl 32216

Phone Number: 904.234.7575 Fax Number: _____

Subcontractors:

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

## TRENCH SAFETY STANDARDS

If this project includes trench excavation in excess of five (5) feet in depth, the following trench safety standards will be in effect during the period of construction of the project:

The Occupational Safety and Health Administration's excavation safety standards, 29 C.F.R.s. 1926.650 Subpart P, and any regulation promulgated there under are hereby incorporated as the standard for this project.

The Bidder hereby certifies that the Contractor performing the trench excavation will comply with the applicable trench safety standards.

The Bidder further certifies that the cost (which is included in his unit cost) of compliance with applicable trench safety standards is:

| ITEM | Estimated Quantity | Units | Unit Price | Total Estimated Price |
|---|---|---|---|---|
| 1. Trench Excavation | N/A | L.F. | | |
| 2. Sheeting/Shoring | N/A | S.F. | | |

Dara Davis May 28, 2025
Name (signature) Date

Dara Davis
Name (typed or printed)

President
Title

## DRUG-FREE WORKPLACE CERTIFICATION

**Identical Or "Tie" Bids**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Name (signature) — Date: May 28, 2025

Dara Davis
Name (typed or printed)

President
Title

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

All Construction Group of North FL, Inc.
COMPANY NAME

AUTHORIZED SIGNATURE

Dara Davis
NAME (PRINT OR TYPE)

President
TITLE

May 27,2025
DATE

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.
2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.
3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.
4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.
5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

All Construction Group of North FL, Inc.

COMPANY NAME

AUTHORIZED SIGNATURE

Dara Davis

NAME (PRINT OR TYPE)

President

TITLE

May 27,2025

DATE

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Dara Davis, President (Title) of All Construction Group of North FL, Inc. (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: May 27,2025, 20____ Signed: _____

Title: President Print Name: Dara Davis

Entity: All Construction Group of North FL, Inc.

STATE OF: Florida COUNTY OF: Duval

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 27th day of May, 2025, by Dara Davis and who:

☒is personally known to me; or ☐ has produced _____ as identification.

Edna Astacio

Notary Public, State of Florida at Large: (seal)
*Printed Name/Seal of Notary, Commission*

My commission expires: 1/29/2028

Notary Public State of Florida
Edna Astacio
My Commission HH 486174
Expires 1/29/2028

**This page must be completed & notarized.**

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA

COUNTY OF Duval

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Dara Davis. I am over the age of Twenty-One years old. I am the President (Title) of All Construction Group of North FL, Inc. (Business Name), a non-governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Date: May 27, 2025 Signature: _____

Print Name: Dara Davis

Title: President

The foregoing instrument was acknowledged before me by means of ☐physical presence or ☐online notarization, this 27th day of May, 2025, by Dara Davis and who:

☒Is personally known to me; or ☐ has produced _____ as identification.

Edna Astacio

Notary Public, State of Florida at Large: (seal)
*Printed Name/Seal of Notary, Commission*

My commission expires: 1/29/2028

Notary Public State of Florida
Edna Astacio
My Commission HH 486174
Expires 1/29/2028

**This page must be completed & notarized.**

**SECTION 00410**
**BID BOND**

**KNOW ALL MEN BY THESE PRESENTS,** that we _____

All Construction Group of North Florida, Inc.
(*hereinafter called Principal*) and

Capitol Indemnity Corporation
(*hereinafter called the Surety*) a corporation chartered and existing under the Laws of the State Wisconsin of with its principal offices in the County of Dane and authorized to do business in the State of Florida, in the full and just sum of Five Percent of Amount Bid Dollars ($ 5% of Amount Bid ) good and lawful money of the United States of America, to be paid upon demand of the City of Ormond Beach, Florida, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents,

**WHEREAS,** the Principal is about to submit, or has submitted to the City of Ormond Beach, Florida, a bid for work to be done on the **CDBG Division Avenue North Side Sidewalk Improvements, Bid No. 2025-17** in, and for the City and

**WHEREAS,** the Principal desires to file this bond in accordance with law, in lieu of a certified or cashier's check otherwise required to accompany this Bid.

**NOW, THEREFORE:** the conditions of this obligation are such that if the Bid be accepted the Principal shall within ten (10) days after the receipt of notification of the acceptance thereof execute a contract in accordance with the Bid and upon the terms, conditions and unit or lump sum prices set forth therein, in the form and manner required by the Owner, and execute a sufficient and satisfactory Contract Bond payable to the Owner, in an amount not less than the total contract price, as indicated by the approximate quantities shown in the Bid, in form and with security satisfactory to the said City, then this obligation to be void; otherwise to be and remain in full force and virtue in law; and the Surety shall upon the failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid City upon demand the amount hereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

**IN TESTIMONY WHEREOF,** the Principal and Surety have caused these presents to be duly signed and sealed this 28 day May, 20 25.

All Construction Group of North Florida, Inc.
*(Principal)*

By: _____

**ATTEST:**

_____
*(SEAL)*
Peter Alesci, Witness to Surety

Capitol Indemnity Corporation
*(Surety)*

_____
Kevin Wojtowicz , Attorney-In-Fact

CAPITOL INDEMNITY CORPORATION SEAL

**END OF SECTION 00410**

Lock Fields

# CAPITOL INDEMNITY CORPORATION
# POWER OF ATTORNEY

N/A Bid Bond
Bond Number

**KNOW ALL MEN BY THESE PRESENTS,** That the **CAPITOL INDEMNITY CORPORATION,** a corporation of the State of Wisconsin, having its principal offices in the City of Middleton, Wisconsin, does make, constitute and appoint

---------- KEVIN WOJTOWICZ; DAVID R TURCIOS; LAURA D MOSHOLDER ----------

its true and lawful Attorney(s)-in-fact, to make, execute, seal and deliver for and on its behalf, as surety, and as its act and deed, any and all bonds, undertakings and contracts of suretyship, provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed in amount the sum of

---------- ALL WRITTEN INSTRUMENTS IN AN AMOUNT NOT TO EXCEED: $20,000,000.00 ----------

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of **CAPITOL INDEMNITY CORPORATION** at a meeting duly called and held on the 15th day of May, 2002.

"**RESOLVED,** that the President, Executive Vice President, Vice President, Secretary or Treasurer, acting individually or otherwise, be and they hereby are granted the power and authorization to appoint by a Power of Attorney for the purposes only of executing and attesting bonds and undertakings, and other writings obligatory in the nature thereof, one or more resident vice-presidents, assistant secretaries and attorney(s)-in-fact, each appointee to have the powers and duties usual to such offices to the business of this company; the signature of such officers and seal of the Company may be affixed to any such power of attorney or to any certificate relating thereto by facsimile, and any such power of attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company, and any such power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking or other writing obligatory in the nature thereof to which it is attached. Any such appointment may be revoked, for cause, or without cause, by any of said officers, at any time."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner – Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

**IN WITNESS WHEREOF,** the **CAPITOL INDEMNITY CORPORATION** has caused these presents to be signed by its officer undersigned and its corporate seal to be hereto affixed duly attested, this 1st day of January, 2020.

Attest:

Ryan J. Byrnes
Senior Vice President,
Chief Financial Officer and Treasurer

Suzanne M. Broadbent
Assistant Secretary

**CAPITOL INDEMNITY CORPORATION**

John L. Sennott, Jr.
Chief Executive Officer and President

STATE OF WISCONSIN }
COUNTY OF DANE } S.S.:

On the 1st day of January, 2020 before me personally came John L. Sennott, Jr., to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is Chief Executive Officer and President of **CAPITOL INDEMNITY CORPORATION,** the corporation described in and which executed the above instrument; that he knows the seal of the said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation and that he signed his name thereto by like order.

David J. Regele
Notary Public, Dane Co.,
My Commission [illegible]

STATE OF WISCONSIN }
COUNTY OF DANE } S.S.:

I, the undersigned, duly elected to the office stated below, now the incumbent in **CAPITOL INDEMNITY CORPORATION,** a Wisconsin Corporation, authorized to make this certificate, **DO HEREBY CERTIFY** that the foregoing attached Power of Attorney remains in full force and has not been revoked; and furthermore, that the Resolution of the Board of Directors, set forth in the Power of Attorney is now in force.

Signed and sealed at the City of Middleton, State of Wisconsin this 28 day of May, 20 25

Andrew B. Diaz-Matos
Senior Vice President, General Counsel and Secretary

THIS DOCUMENT HAS BEEN GENERATED FOR A SPECIFIC BOND. IF YOU HAVE ANY QUESTIONS CONCERNING THE AUTHENTICITY OF THIS DOCUMENT CALL 800-475-4450.




**DIVISION AVENUE NORTH SIDE SIDEWALK IMPROVEMENTS**
**CDBG - 2025**

Prepared By: The City of Ormond Beach
G.I.S. Department - February 11, 2025

N
W E
S
1 inch = 200 feet

BID OPENING TABULATION

# Project: CDBG Division Avenue North Side Sidewalk Improvements

## Bid Number: 2025-17

## Date & Time: May 28, 2025 at 2:00pm

| Contractor | Addendum #1 | Bid Bond | Base Bid | Bid Alternate #1 | Bid Alternate #2 | Total Base and Alternates |
|---|---|---|---|---|---|---|
| Drewry Site Development | y | y | $ 20,610.80 | $ 20,985.55 | $ 25,038.00 | $ 66,634.35 |
| AJ General Construction | y | y | $ 39,600.00 | $ 40,070.00 | $ 60,400.00 | $ 140,070.00 |
| Sparks Concrete | y | y | $ 23,268.00 | $ 14,230.00 | $ 27,150.00 | $ 64,648.00 |
| All Construction Group | y | y | $ 19,550.00 | $ 14,400.00 | $ 22,150.00 | $ 56,100.00 |
| | | | | | | $ - |
| | | | | | | $ - |
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**Please Note:** The bid proposals are currently being reviewed. All submittals accepted by the City of Ormond Beach are subject to the City's terms and conditions and any and all additional terms and conditions submitted by the bidders are rejected and shall have no force and effect. Bid documents from the bidders listed herein are the only submittals received timely as of the above opening date and time. All other bid documents submitted in response to this solicitation, if any, are hereby rejected as late.

**Tabulated by: Rob Hart**
**Purchasing Coordinator**

Cara S. Culliver

**Opened by: Cara Culliver**
**Principal Landscape Architect**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.F. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | CDBG Central Park Trail Project | | |
| **Recommended Action** | Staff are recommending the award of the bid to Paul Culver Construction, Inc., in the amount of $232,163, for the construction of the CDBG Central Park Trail project. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Public Works - Engineering<br>Shawn Finley, Assistant City Manager | | |


Summary

This is a request for the City Commission to award a bid to install the CDBG Central Park Trail project.


An application was submitted in September 2024 to Volusia County during an open CDBG cycle. In December 2024, Volusia County approved the application for funding in the amount of $343,259, with a total budget estimate of $410,000, and issued an amendment adding the project to the City's CDBG FY 2024-25 program year. Resolution 2025-21, adopted by the City Commission on January 7, 2025, approved the execution of the amendment adding the project to the City's CDBG FY 2024-25 program.

The project is located at Ormond Beach Environmental Discovery Center at 601 Division Avenue in Ormond Beach. The proposed 8' foot-wide concrete trail (270' lineal feet) will be on the north side of the existing retention pond and connect to the existing sidewalk near the Discovery Center. From the east end of the concrete trail, an 8 foot-wide wood boardwalk system (820 lineal feet) will allow visitors to walk through the wooded areas before connecting to Division Avenue. This boardwalk will line up with the existing stripped crosswalk and existing southern boardwalk trail (map attached). A new concrete American Disabilities Act (ADA) curb transition will also be installed. This project will be in strict accordance with the ADA requirements, and per the approved plans, specifications and Invitation to Bid.

This project was advertised on May 11, 2025. On June 10, 2025, eleven bids were received, ranging from $220,925 to $397,040. The lowest bidder was AJ General Construction Services, Inc.; however, their project references only listed 3 sidewalk projects and 80% of this project is the construction of a wood boardwalk. The City requested additional projects with references

relating to wood boardwalk construction and 1 project was submitted relating to a stormwater pond weir with steel sheet pile and no project references. Due to the information provided, the staff recommends the next lowest bidder, Paul Culver Construction, Inc., who submitted a base bid of $232,163.

Financial Impact

Funding for this project will come from CDBG FY 2024-25 funds, in the amount of $232,163, which will be reimbursed by Volusia County.

Citizen Impact

The construction of this new sidewalk and wood boardwalk will have no impact on the residents and the public while the project is being completed. Afterwards, it will be available for the citizens and residents to enjoy and utilize these walk ways.

Attachments

1. 25-107 Central Park Trail-Paul Culver (P25-0085G)
2. Paul Culver Construction Bid
3. CDBG_Central_Park_Trail Map
4. BID 2025-48 signed tabulation

**RESOLUTION NO. 2025-107**

A RESOLUTION ACCEPTING A BID FROM PAUL CULVER CONSTRUCTION, INC. FOR CONSTRUCTION SERVICES REGARDING THE CENTRAL PARK TRAIL PROJECT, UNDER BID NO. 2025-48; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City advertised for bids (Bid No. 2025-48) regarding construction of a boardwalk in Central Park ("the Project") pursuant to section 2-300, *Code of Ordinances*, and

**WHEREAS**, the City's professional staff have reviewed the eleven bids received and have determined that the lowest bid submitted by AJ General Construction Services, Inc. in the amount of $220,925.00 was non responsive as it did not list any project experience for construction of a wood boardwalk, and

**WHEREAS,** Paul Culver Construction, Inc. with a bid in the amount of $232,163.00 is the next lowest responsible and responsive bid (a copy of said bid being attached hereto and incorporated herein by reference), and

**WHEREAS,** the City Manager has certified that this Project will be paid for using Community Development Block Grant funds and that these funds have not been appropriated for any other purpose, and

**WHEREAS,** the City Commission concurs with the foregoing recommendations, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The bid submitted by Paul Culver Construction, Inc. to provide the service in the amount of $232,163.00 is hereby accepted.

**SECTION TWO.** All other bids relative to the aforedescribed Project shall be deemed rejected upon the execution of a contract with Paul Culver Construction, Inc.

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute a contract with Paul Culver Construction, Inc. for construction services at the said price and to pay the cost thereof using Community Development Block Grant funds.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**SECTION 00300**
**BID**

CONTRACTORS NAME Paul Culver Construction LICENSE NO. CGC059149

PROJECT IDENTIFICATION: **CDBG –CENTRAL PARK TRAIL**

CONTRACT IDENTIFICATION AND NUMBER: Bid No. **2025-48**

THIS BID IS SUBMITTED TO:
(Name and Address of Owner)

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.

2. BIDDER certifies that he has investigated the requirements to do business in the jurisdiction where the project is located, and that he is either qualified to do business or will obtain such prequalification prior to award of the contract.

3. BIDDER accepts all of the terms and conditions of the Instructions to Bidders (Section 00100) including, without limitation, those dealing with the disposition of Bid Security, Public Entity Crimes, and Minority Policies. This Bid will remain open for 90 days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract security and other documents required by the Contract Documents within ten (10) days after the date of OWNER'S Notice of Award.

4. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Contract Documents and of the following addenda:

| Date | Number |
|---|---|
| 5/30/2025 | 1 |
| 6/4/2025 | 2 |
| | |
| | |

(receipt of all of which is hereby acknowledged) and also copies of the Advertisement to Bid and the Instructions to Bidders;

(b) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

(c) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over OWNER; and

5. BIDDER will complete the Work for the following price(s):

## BID SCHEDULE

| Item No. | Description | Unit | Total Estimated Price |
|---|---|---|---|
| 1. | Removal of vegetation, 11-foot width for Installation of the proposed wood boardwalk, site preparations for the installation of the 8-foot-wide concrete sidewalk & removal of existing concrete curb transition Includes Removal and Disposal | LS | $ 52,875.00 |
| 2. | Install 8-foot-wide ADA concrete sidewalk at 4" depth *Approximately 2,160 SF for Sidewalk* Includes – Layout, Excavation, Compacted Base, 4" - 3,000 PSI Concrete | LS | $ 28,200.00 |
| 3. | Install 8-foot-wide wood boardwalk Per Detail on sheet 4 of 4 *Approximately 820 LF* Includes – Layout, Materials, Installation | LS | $ 138,423.00 |
| 4. | Install on ADA concrete curb transition With ADA mat, see Drawing Sheet 2 of 4 Includes – Layout, Excavation, Compacted | LS | $ 5,300.00 |
| 5. | Install Bahia Sod & Includes Complete Restoration of all disturbed sod areas | LS | $ 7,365.00 |
| TOTAL BASE BID | | | $ 232,163.00 |

Two Hundred Thirty Two Thousand, One Hundred Sixty Three Dollars 00/100 (Figures)

(Words)

*** Bidder is responsible to verify all takeoffs as this is a lump sum bid. Bid in accordance with the plans, scope and specifications.**

## Scope of Work

The project is located at Ormond Beach Environmental Discovery Center at 601 Division Avenue in Ormond Beach. The proposed 8' foot wide concrete trail (270' lineal feet) will be on the north side of the existing retention pond and connect to the existing sidewalk near the Discovery Center. From the east end of the concrete trail an 8' foot wide wood boardwalk system (820 lineal feet) will snake through the woods and will connect to Division Avenue. This boardwalk will line up with the existing stripped crosswalk and existing southern boardwalk trail, see drawing sheet 2 of 4. A new concrete ADA curb transition will be installed per the plans. This project will be in strict accordance with the American Disabilities Act (ADA) requirements, and per the approved plans, specifications and Invitation to Bid. All excavated material must be removed from the project sites. The City will also be responsible to contract with a material testing company but the contractor responsibility to coordinate with them to do the testing. Contractor is responsible to layout/ stake all proposed improvements for City approval **prior** to construction. **Note: Proposed cross-slopes can't exceed 2%, and running slopes must be less than 5%. All new concrete will be flush with; or feathered into existing grade as to not create tripping hazards.**

*This is a federally assisted project and is subject to Federal Labor Standards which include, the Davis-Bacon Act (payment of prevailing wage rates) and the Copeland Act (anti-kickback of wages & submission of weekly certified payroll reports), as well as other provisions including 24 CFR 85.36 (bonding requirements), and Section 3 & M/WBE. Laborers and mechanics employed by primary contractors and sub-contractors performing construction work on this project shall be paid wages at rates not less than the prevailing rates as determined by the Secretary of Labor in accordance with the Davis-Bacon Act. The prime contractor is responsible for the enforcement of wage compliance and support documentation for the duration of the project and may be held liable for wage restitution. The applicable information regarding the laws and regulations stated above are included in the bid packet.*

BIDDER acknowledges that the quantities are not guaranteed and final payment will be based on actual quantities determined as provided in the Contract Documents.

BIDDER agrees that the Work will be substantially completed within **90** calendar days after the date when the Contract Time commences to run, and completed within **120** calendar days after the date when the Contract Time commences to run.

BIDDER recognizes that time is of the essence to complete this Project and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The BIDDER also recognizes the delays, expense and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER has determined and BIDDER agrees to accept that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER **Three Hundred Dollars ($300.00)** for each calendar day that expires after the time specified above for substantial completion until the Work is substantially complete. After substantial completion, if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the time specified above for completion and readiness for final payment or any proper extension

thereof granted by OWNER, CONTRACTOR shall pay the OWNER an amount equal to all actual expenses incurred by the OWNER as a direct result of the CONTRACTOR'S negligence, refusal, or failure to so complete the remaining work. In the event the CONTRACTOR is terminated or abandons the work prior to the scheduled date for final completion, the CONTRACTOR may be liable for both liquidated damages attributable to delay and for excess completion costs.

6. The following documents are attached to and made a condition of this Bid:

   (a) Required Bid Security in the form of

   (1) a certified check drawn in favor of the City of Ormond Beach in the amount of 5 percent of the total bid; or

   (2) a Bid Bond in the amount of 5 percent of the total bid.

   (b) Equipment, Material, and Subcontractors List

   (c) All information required by the Trench Safety Act (Part VI, Chapter 553, Florida Statutes).

   (d) Drug Free Workplace Certificate

   (e) Conflict, Non-Conflict of Interest, Litigation Statement

   (f) Verification of Employment Status Using E-Verify System

   (g) Affidavit of Compliance F.S. 287.138 Contracting with Foreign Entities of Concern

   (h) Human Trafficking Affidavit, Section 787.06, Florida Statutes

   (i) **CDBG Requirements and Supplemental Conditions**

7. Communications to the BIDDER concerning this Bid shall be addressed to:

Mailing Address: Paul Culver Construction 201 Osceola Ave.
Street Address: Paul Culver Construction 201 Osceola Ave.
City, State, Zip Code: Daytona Beach, FL 32114
Email: Paul@paulculverconstruction.com
Telephone No.: 386-763-4190 Fax No.: 386-322-0007

8. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract DOCUMENTS have the meanings assigned to them in the General Conditions.

SUBMITTED on June 9th, 20 25.

If BIDDER is:

N/A

An Individual

By _____
(Individual's Name - Signature)

_____ (SEAL)
(Individual's Name - Typed or Printed)

doing business as _____

Business address: _____

_____

_____

Phone No.: _____

Fax No.: _____

N/A

If BIDDER is:

A Partnership

By _____ (SEAL)
(Firm Name)

_____
(General Partner - Signature)

_____
(General Partner - Typed or Printed)

Business Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

**BID (Cont'd.)**
**CDBG –CENTRAL PARK TRAIL**
**ORMOND BEACH, FLORIDA**

If BIDDER is:

A Corporation

By Paul Culver Construction, Inc.
(Corporation Name)

Florida
(State of Incorporation)

By Paul K Culver
(Name of Person Authorized to Sign - Signature)

Paul K. Culver
(Name of Person Authorized to Sign - Typed or Printed)

President
(Title)

(Corporate Seal)

Attest

Business address: 201 Osceola Ave., Daytona Beach, FL 32114

Phone No.: 386-763-4190

Fax No.: 386-322-0007

If BIDDER is: N/A

A Joint Venture

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

EQUIPMENT AND SUBCONTRACTORS LIST

List the names of the manufacturers whose product is proposed for use. No more than one manufacturer's name shall be inserted for each item of material and/or equipment listed. Failure to list materials and equipment supplier may result in the Bid being rejected as incomplete and nonresponsive. If any Subcontractors are proposed to be used for any portions of the Work, the names, addresses, phone numbers and work classifications of each such Subcontractor must be listed. The failure to list all Subcontractors proposed for the work may result in the Bid being rejected as incomplete and nonresponsive. If more than one manufacturer or subcontractor is listed, selection will be made by the OWNER. If none is listed, those listed as the "Basis for Design" will be used.

Materials and Equipment:

| Item | Supplier |
|---|---|
| Form Boards | Manning Supply |
| Limerock Base (as needed) | Drewry Site Development |
| 3,000 PSI Concrete | Titan |
| ADA Mats (FDOT Approved) | White Cap |
| Bahia Sod | R&R Sod Farm |
| Pressure Treated Lumber | Manning Supply |
| Stainless Steel Hardware | Manning Supply |
| | |

The City of Ormond Beach reserves the right to require any bidder to submit such evidence of qualifications as it may deem necessary and may consider evidence available concerning the financial and other qualifications and abilities of a Contractor. Failure to provide all required information may result in the proposal being **rejected** as nonresponsive. The minimum qualifications for this project are as follows:

1. The contractor must have a minimum five (5) years-experience installing projects of a similar scope in nature with verifiable references in the following areas:

# Contractor References

**Municipal Projects**

| Project Name / City and State | Contact Information |
|---|---|
| 1. City of Flagler Beach Maintenance Building | Mead & Hunt 386-414-5051 Bernadette Fox |
| 2. City of Daytona Beach Public Works Campbell Pool | Brent Cohen 386-761-8610 |

| | | |
|---|---|---|
| 3. | Volusia County Edwin Peck Park | David Ogle 386-255-6163 |

**Concrete Sidewalks and/or Parking**

| | Project Name / City and State | Contact Information |
|---|---|---|
| 1. | Dahlia Park - Daytona Beach, FL | David Ogle, 386-255-6163 |
| 2. | Volusia County ADA Compliance, Daytona Beach, FL | Lamar Companies, Victoria 732-338-0016 |
| 3. | Boylson Ave. Beach Repair, Daytona Beach, FL | Niles Cyzycki 386-248-8072 |

**Projects Exceeding $75K as Prime Contractor**

| | Project Name / City and State | Contact Information |
|---|---|---|
| 1. | Campbell Pool Project - City of Daytona Beach, FL | Public Works Dept., Brent Cohen 386-671-8610 |
| 2. | Island Doctors - Medical Office - Edgewater, FL | Brian Fredley 386-257-0572 |
| 3. | Phoenix East Aviation Airport Road, Bunnell, FL | Brendan M. Bozuto 386-254-6842 |

Subcontractors:

Work Classification: Concrete, Clearing

Name: Rock Bottom Construction

Address: 401 Silver Beach Ave., Daytona Beach, FL 32117

Phone Number: 386-270-6636 Fax Number: _____

**BID (Cont'd.)**
**CDBG –MILITARY BOULEVARD SIDEWALK IMPROVEMENTS**
**ORMOND BEACH, FLORIDA**

Subcontractors:

Work Classification: Base and Demolition

Name: Savage Construction

Address: 311 Floratam Trail, New Smyrna Beach, FL

Phone Number: 386-566-5344 Fax Number: -0-

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

**BID (Cont'd.)**
**CDBG –CENTRAL PARK TRAIL**
**ORMOND BEACH, FLORIDA**

## TRENCH SAFETY STANDARDS

If this project includes trench excavation in excess of five (5) feet in depth, the following trench safety standards will be in effect during the period of construction of the project:

The Occupational Safety and Health Administration's excavation safety standards, 29 C.F.R.s. 1926.650 Subpart P, and any regulation promulgated there under are hereby incorporated as the standard for this project.

The Bidder hereby certifies that the Contractor performing the trench excavation will comply with the applicable trench safety standards.

The Bidder further certifies that the cost (which is included in his unit cost) of compliance with applicable trench safety standards is:

| ITEM | Estimated Quantity | Units | Unit Price | Total Estimated Price |
|---|---|---|---|---|
| 1. Trench Excavation | n/a | L.F. | | |
| 2. Sheeting/Shoring | n/a | S.F. | | |

Name (signature) Date

Paul K. Culver
Name (typed or printed)

President
Title

## DRUG-FREE WORKPLACE CERTIFICATION

**Identical Or "Tie" Bids**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

6/9/2025

Name (signature) Date

Paul K. Culver

Name (typed or printed)

President

Title

**BID (Cont'd.)**
**CDBG –CENTRAL PARK TRAIL**
**ORMOND BEACH, FLORIDA**

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[X] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Paul Culver Construction, Inc.
COMPANY NAME

AUTHORIZED SIGNATURE

Paul K. Culver
NAME (PRINT OR TYPE)

President
TITLE

6/9/2025
DATE

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.
2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.
3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.
4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.
5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Paul Culver Construction, Inc.
COMPANY NAME

AUTHORIZED SIGNATURE

Paul K. Culver
NAME (PRINT OR TYPE)

President
TITLE

6/9/2025
DATE

**BID (Cont'd.)**
**CDBG –CENTRAL PARK TRAIL**
**ORMOND BEACH, FLORIDA**

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the President (Title) of Paul Culver Construction, Inc. (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: June 9th, 20 25 Signed: _____

Title: President Print Name: Paul K. Culver

Entity: Paul Culver Construction, Inc

STATE OF: Florida COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 9th day of June, 20 25,

by Paul K. Culver and who:

☒Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of Florida at Large: Kristi Emery (seal)
*Printed Name/Seal of Notary, Commission*

KRISTI EMERY
Notary Public
State of Florida
Comm# HH158873
Expires 8/13/2025

My commission expires: 8/15/2025

**This page must be completed & notarized.**

**BID (Cont'd.)**
**CDBG –CENTRAL PARK TRAIL**
**ORMOND BEACH, FLORIDA**

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA

COUNTY OF Volusia

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Paul K. Culver. I am over the age of Twenty-One years old. I am the President (Title) of Paul Culver Construction, Inc. (Business Name), a non-governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Date: June 9th, 20 25 Signature: _____

Print Name: Paul K. Culver

Title: President

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 9th day of June, 20 25, by Paul K. Culver and who:

☒Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of Florida at Large: Kristi Emery (seal)
*Printed Name/Seal of Notary, Commission*

My commission expires: 8/15/2025

KRISTI EMERY
Notary Public
State of Florida
Comm# HH158873
Expires 8/13/2025

**This page must be completed & notarized.**

**END OF BID**

**SECTION 00410**
**BID BOND**

**KNOW ALL MEN BY THESE PRESENTS**, that we _____

**Paul Culver Construction, Inc.**
(*hereinafter called Principal*) and

**Great Midwest Insurance Company**
(*hereinafter called the Surety*) a corporation chartered and existing under the Laws of the State **Texas** of with its principal offices in the County of **Harris** and authorized to do business in the State of Florida, in the full and just sum of **FIVE PERCENT (5%) OF PROPOSED BID** Dollars ($ **---5%---** ) good and lawful money of the United States of America, to be paid upon demand of the **City of Ormond Beach**, Florida, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents,

**WHEREAS**, the Principal is about to submit, or has submitted to the City of Ormond Beach, Florida, a bid for work to be done on the **CDBG Central Park Trail, Bid No. 2025-48** in, and for the City and

**WHEREAS**, the Principal desires to file this bond in accordance with law, in lieu of a certified or cashier's check otherwise required to accompany this Bid.

**NOW, THEREFORE:** the conditions of this obligation are such that if the Bid be accepted the Principal shall within ten (10) days after the receipt of notification of the acceptance thereof execute a contract in accordance with the Bid and upon the terms, conditions and unit or lump sum prices set forth therein, in the form and manner required by the Owner, and execute a sufficient and satisfactory Contract Bond payable to the Owner, in an amount not less than the total contract price, as indicated by the approximate quantities shown in the Bid, in form and with security satisfactory to the said City, then this obligation to be void; otherwise to be and remain in full force and virtue in law; and the Surety shall upon the failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid City upon demand the amount hereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

**IN TESTIMONY WHEREOF**, the Principal and Surety have caused these presents to be duly signed and sealed this **10th** day **June**, 20**25**.

**Paul Culver Construction, Inc.**
*(Principal)*

By: _____

**ATTEST:**

**Great Midwest Insurance Company**
*(Surety)*

**see attached power of attorney**
*(SEAL)*

By: _____
**Donald Bramlage, Attorney-In-Fact &**
**Florida Resident Agent - Inquiries: 407-330-3990**

**END OF SECTION**
**00410 - 1**

**POWER OF ATTORNEY**

# Great Midwest Insurance Company

KNOW ALL MEN BY THESE PRESENTS, that **GREAT MIDWEST INSURANCE COMPANY**, a Texas Corporation, with its principal office in Houston, TX, does hereby constitute and appoint: Dale A. Belis, Marilyn Ann Blome, Donald Bramlage, Edward M. Clark, Christian Collins, F. Danny Gann, David R. Hoover, Jarrett Merlucci, Laura D. Mosholder, Charles J. Nielson, Jessica P. Reno, Audria R. Ward, Edward T. Ward, Kevin Wojtowicz, Richard Zimmerman, Charles D. Nielson, Brett M. Rosenhaus

its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, any and all bonds, undertakings or other writings obligatory in nature of a bond.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **GREAT MIDWEST INSURANCE COMPANY**, on the 1st day of April, 2025 as follows:

Resolved, that the President, or any officer, be and hereby is, authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed One-Hundred Million dollars ($100,000,000.00), which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed in the Company's sole discretion and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by electronic mail on any power of attorney granted, and the signature of the Secretary, and the seal of the Company may be affixed by electronic mail to any certificate of any such power and any such power or certificate bearing such electronic signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **GREAT MIDWEST INSURANCE COMPANY**, has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 8th day of April, 2025.

GREAT MIDWEST INSURANCE COMPANY — CORPORATE SEAL — TEXAS CORPORATION

**GREAT MIDWEST INSURANCE COMPANY**

BY Mark W. Haushill

Mark W. Haushill
President

**ACKNOWLEDGEMENT**

On this 8th day of April 2025, before me, personally came Mark W. Haushill to me known, who being duly sworn, did depose and say that he is the President of **GREAT MIDWEST INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

NOTARY PUBLIC STATE OF TEXAS
CHRISTINA BISHOP
My Notary ID # 131090488
Expires April 14, 2029

BY Christina Bishop

Christina Bishop
Notary Public

**CERTIFICATE**

I, the undersigned, Secretary of **GREAT MIDWEST INSURANCE COMPANY**, A Texas Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the foregoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Sealed at Houston, TX this 10th Day of June 2025.

GREAT MIDWEST INSURANCE COMPANY — CORPORATE SEAL — TEXAS CORPORATION

BY Patricia Ryan

Patricia Ryan
Secretary

**"WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files and application for insurance of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties.**




# CDBG CENTRAL PARK TRAIL

Prepared By: The City of Ormond Beach G.I.S. Department - 4/3/2025

1 inch = 200 feet

BID OPENING TABULATION

# CDBG Central Park Trail

## Bid No. 2025-48

## June 10, 2025 at 2:00 PM

| Contractor | Add 1 | Add 2 | Bid Bond | Total Bid |
|---|---|---|---|---|
| Saboungi | y | y | y | $ 378,420.00 |
| Rankel Stillwagon | y | y | y | $ 250,841.22 |
| All State Civil | y | y | y | $ 397,040.00 |
| A G Pifer | y | y | y | $ 394,656.80 |
| Paul Culver | y | y | y | $ 232,163.00 |
| DSR Construction | y | y | y | $ 382,197.00 |
| AJ General | y | y | y | $ 220,925.00 |
| Greenway Bridge | y | y | y | $ 720,000.00 |
| JC Stanford and Son | y | y | y | $ 356,500.00 |
| Dean Leggett Custom Built Docks | y | y | check | $ 341,982.00 |
| Lads Construction Services | y | y | y | $ 268,200.00 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Please Note:** The bid proposals are currently being reviewed. All submittals accepted by the City of Ormond Beach are subject to the City's terms and conditions and any and all additional terms and conditions submitted by the bidders are rejected and shall have no force and effect. Bid documents from the bidders listed herein are the only submittals received timely as of the above opening date and time. All other bid documents submitted in response to this solicitation, if any, are hereby rejected as late.

**Tabulated by: Rob Hart**
**Purchasing Coordinator**

**Opened by: Cara Culliver**
**Principal Landscape Architect**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.G. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | CDBG Military Boulevard Sidewalk Improvements | | |
| **Recommended Action** | Staff recommends award of the bid to Drewry Site Development in the amount of $218,651.49, for the construction of CDBG Military Boulevard Sidewalk Improvements. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Public Works - Engineering<br>Alex Schumann, City Engineer | | |


Summary

This is a request for the City Commission to award a bid to install CDBG Military Boulevard Sidewalk Improvements.


On June 4, 2024, Resolution 2024-88, the City Commission approved the Annual Plan and the subsequent execution of the Subrecipient Agreement with Volusia County (fully executed 12/5/2024) for CDBG FY 2024-25 funding, which included the Military Boulevard Sidewalk Improvements as a Department of Housing and Urban Development (HUD) approved eligible activity.

The Military Boulevard sidewalk project consists of removing an existing 2'-6" non-American Disabilities Act (ADA) deteriorated concrete sidewalk and replacing it with a new 5' foot ADA-compliant concrete sidewalk, including ADA-compliant detectable mats and curbing on the west & east sides of Military Boulevard, from Woodlands Boulevard to Vanderbilt Drive. Certain sections of Military Boulevard do not have continuous sidewalks, and these areas will be added to provide a continuous sidewalk connection where applicable. This project will be in strict accordance with ADA requirements, the approved plans, specifications and Invitation to Bid.

This project was advertised on April 20, 2025. On May 22, 2025, nine bids were received, ranging from $218,651.49 to $491,000. The low bidder was Drewry Site Development, who submitted a base bid of $218,651.49.

Financial Impact

Funding for this project will come from CDBG FY 2024-25 funds, in the amount $169,544, which will be reimbursed by Volusia County. The remaining $49,107.49 will come from Fund 308-Transportation Fund.

Citizen Impact

The construction of this new sidewalk will have short-term impacts on the residents and the public while the project is being completed. Residents will be notified prior to the project starting. Following the project, citizens and visitors will be able to enjoy and utilize this walkway.

Attachments

1. 25-108 Military Blvd Sidewalk Imp-Drewry (P25-0074G)
2. Drewry Site Development Bid Documents
3. Project Map Military Sidewalks
4. BID 2025-32 signed bid tab

**RESOLUTION NO. 2025-108**

A RESOLUTION ACCEPTING A BID FROM DREWRY SITE DEVELOPMENT, LLC FOR CONSTRUCTION SERVICES REGARDING THE MILITARY BOULEVARD SIDEWALK IMPROVEMENTS PROJECT, UNDER BID NO. 2025-32; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City advertised for bids (Bid No. 2025-32) regarding construction services for the Military Boulevard sidewalk improvements project ("the Project") pursuant to section 2-300, *Code of Ordinances*, and

**WHEREAS**, the City's professional staff have reviewed the bids received and have determined that the bid submitted by Drewry Site Development, LLC with a bid in the amount of $218,651.49 is the lowest responsible and responsive bid (a copy of said bid being attached hereto and incorporated herein by reference), and

**WHEREAS,** the City Manager has certified that funds for the Project have been appropriated to the credit of the Sidewalk Repair Fund and that these funds have not been appropriated for any other purpose, and

**WHEREAS,** the City Commission concurs with the foregoing recommendations, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The bid submitted by Drewry Site Development, LLC to perform the Project at a total cost not to exceed $218,651.49 is hereby accepted.

**SECTION TWO.** All other bids relative to the aforedescribed Project shall be deemed rejected upon the execution of a contract with Drewry Site Development, LLC.

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute a contract with Drewry Site Development, LLC for the performance of the Project at the said price, and to pay the cost thereof from the Sidewalk Repair Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**SECTION 00300**
**BID**

CONTRACTORS NAME Drewry Site Development LICENSE NO. CGC1532583

PROJECT IDENTIFICATION: **CDBG –MILITARY BOULEVARD SIDEWALK IMPROVEMENTS**

CONTRACT IDENTIFICATION AND NUMBER: Bid No. **2025-32**

THIS BID IS SUBMITTED TO:
(Name and Address of Owner)

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.

2. BIDDER certifies that he has investigated the requirements to do business in the jurisdiction where the project is located, and that he is either qualified to do business or will obtain such prequalification prior to award of the contract.

3. BIDDER accepts all of the terms and conditions of the Instructions to Bidders (Section 00100) including, without limitation, those dealing with the disposition of Bid Security, Public Entity Crimes, and Minority Policies. This Bid will remain open for 90 days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract security and other documents required by the Contract Documents within ten (10) days after the date of OWNER'S Notice of Award.

4. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Contract Documents and of the following addenda:

| Date | Number |
|---|---|
| 05/14/2025 | 1 |
| | |
| | |
| | |

(receipt of all of which is hereby acknowledged) and also copies of the Advertisement to Bid and the Instructions to Bidders;

(b) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

(c) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over OWNER; and

5. BIDDER will complete the Work for the following price(s):

## BID SCHEDULE

| Item No. | Description | Unit | Total Estimated Price |
|---|---|---|---|
| 1. | Demolition of Military Blvd. from Woodlands Boulevard to Vanderbilt Drive for Existing 2'-6" Sidewalk, Driveway Aprons, Curbing & Vegetation removals (see drawings for complete removals) *Approximately 9,812 SF & 394 LF Curbing* Includes Removal and Disposal | LS | $ 48,077.82 |
| 2. | Install on Military Blvd. from Woodlands Boulevard to Vanderbilt Drive for 5' ADA Sidewalk at 4" depth *Approximately 17,712 SF for Sidewalk & 315 LF for curbing modifications* Includes – Layout, Excavation, Compacted Base, 4" - 3,000 PSI Concrete | LS | $ 117,750.79 |
| 3. | Install on Military Blvd. from Woodlands Boulevard to Vanderbilt Drive, Driveway Aprons at 6" depth *Approximately 3,451 SF* Includes – Layout, Excavation, Compacted Base, 6" - 3,000 PSI Concrete | LS | $ 29,282.12 |
| 4. | Install on Military Blvd. from Woodlands Boulevard to Vanderbilt Drive Header & "F" Type Curbing *Approximately 408 LF for Header & 106 LF for Type "F"* Includes – Layout, Excavation, Compacted | LS | $ 10,722.60 |
| 5. | Install on Military Blvd. from Woodlands Boulevard to Vanderbilt Drive New Storm Inlet Aprons & grate *Approximately (4) Inlet Aprons & (1) grate* Includes – Layout, Excavation, Compacted | LS | $ 4,036.50 |

6. Install Thirty (30) ADA Detectable Warning Mats (FDOT Approved) on Military Blvf. from Woodlands Boulevard to Vanderbilt Drive — LS — $ 1,863.00

7. Install Bahia Sod & Includes Complete Restoration on Military Blvd. from Woodlands Boulevard to Vanderbilt Drive *Approximately 6,438 SF plus Including All Disturbed Areas* — LS — $ 6,918.66

TOTAL BASE BID $ 218,651.49 (Figures)

Two hundred eighteen thousand six hundred fifty-one dollars and forty-nine cents. (Words)

*** Bidder is responsible to verify all takeoffs as this is a lump sum bid. Bid in accordance with the plans, scope and specifications.**

**Scope of Work**

The work consists of removing an existing 2'-6" foot non-ADA deteriorated concrete sidewalk and replacing it with a new 5' foot ADA compliant concrete sidewalk, including ADA compliant detectable mats and curbing in strict accordance with the American Disabilities Act (ADA) requirements on the west & east sides of Military Boulevard from Woodlands Boulevard to Vanderbilt Drive per the approved plans, specifications and Invitation to Bid. All excavated material must be removed from the project sites. The City will also be responsible to contract with a material testing company but the contractor responsibility to coordinate with them to do the testing. Contractor is responsible to layout/ stake all proposed improvements for City approval **prior** to construction. **Note: Proposed cross-slopes can't exceed 2%, and running slopes must be less than 5%. All new concrete will be flush with; or feathered into existing grade as to not create tripping hazards.**

*This is a federally assisted project and is subject to Federal Labor Standards which include, the Davis-Bacon Act (payment of prevailing wage rates) and the Copeland Act (anti-kickback of wages & submission of weekly certified payroll reports), as well as other provisions including 24 CFR 85.36 (bonding requirements), and Section 3 & M/WBE. Laborers and mechanics employed by primary contractors and sub-contractors performing construction work on this project shall be paid wages at rates not less than the prevailing rates as determined by the Secretary of Labor in accordance with the Davis-Bacon Act. The prime contractor is responsible for the enforcement of wage compliance and support documentation for the duration of the project and may be held liable for wage restitution. The applicable information regarding the laws and regulations stated above are included in the bid packet.*

BIDDER acknowledges that the quantities are not guaranteed and final payment will be based on actual quantities determined as provided in the Contract Documents.

BIDDER agrees that the Work will be substantially completed within **90** calendar days after the date when the Contract Time commences to run, and completed within **120** calendar days after the date when the Contract Time commences to run.

BIDDER recognizes that time is of the essence to complete this Project and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The

BIDDER also recognizes the delays, expense and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER has determined and BIDDER agrees to accept that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER **Three Hundred Dollars ($300.00)** for each calendar day that expires after the time specified above for substantial completion until the Work is substantially complete. After substantial completion, if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the time specified above for completion and readiness for final payment or any proper extension thereof granted by OWNER, CONTRACTOR shall pay the OWNER an amount equal to all actual expenses incurred by the OWNER as a direct result of the CONTRACTOR'S negligence, refusal, or failure to so complete the remaining work. In the event the CONTRACTOR is terminated or abandons the work prior to the scheduled date for final completion, the CONTRACTOR may be liable for both liquidated damages attributable to delay and for excess completion costs.

6. The following documents are attached to and made a condition of this Bid:

   (a) Required Bid Security in the form of

   (1) a certified check drawn in favor of the City of Ormond Beach in the amount of 5 percent of the total bid; or

   (2) a Bid Bond in the amount of 5 percent of the total bid.

   (b) Equipment, Material, and Subcontractors List

   (c) All information required by the Trench Safety Act (Part VI, Chapter 553, Florida Statutes).

   (d) Drug Free Workplace Certificate

   (e) Conflict, Non-Conflict of Interest, Litigation Statement

   (f) Verification of Employment Status Using E-Verify System

   (g) Affidavit of Compliance F.S. 287.138 Contracting with Foreign Entities of Concern

   (h) Human Trafficking Affidavit, Section 787.06, Florida Statutes

   (i) **CDBG Requirements and Supplemental Conditions**

7. Communications to the BIDDER concerning this Bid shall be addressed to:

Mailing Address: 400 Venture Dr, Suite F South Daytona, Florida 32119
Street Address: 400 Venture Dr, Suite F
City, State, Zip Code: South Daytona, Florida, 32119
Email: Hope@drewrysite.com
Telephone No.: 386-313-3220 Fax No.: 386-872-4788

8. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract DOCUMENTS have the meanings assigned to them in the General Conditions.

SUBMITTED on _____, 20___.

If BIDDER is:

An Individual

By _____
(Individual's Name - Signature)

_____ (SEAL)
(Individual's Name - Typed or Printed)

doing business as _____

Business address: _____

_____

_____

Phone No.: _____

Fax No.: _____

If BIDDER is:

A Partnership

By _____ (SEAL)
(Firm Name)

_____
(General Partner - Signature)

_____
(General Partner - Typed or Printed)

Business Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

If BIDDER is:

A Corporation

By Drewry Site Development
(Corporation Name)

Florida
(State of Incorporation)

By Hope Drewry
(Name of Person Authorized to Sign - Signature)

Hope Drewry
(Name of Person Authorized to Sign - Typed or Printed)

Managing Member
(Title)

(Corporate Seal)

Attest

Business address: 400 Venture Dr, Suite F, South Daytona Florida 32119

Phone No.: (386) - 313 - 3220

Fax No.: (386) 872 - 4788

If BIDDER is:

A Joint Venture

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

## EQUIPMENT AND SUBCONTRACTORS LIST

List the names of the manufacturers whose product is proposed for use. No more than one manufacturer's name shall be inserted for each item of material and/or equipment listed. Failure to list materials and equipment supplier may result in the Bid being rejected as incomplete and nonresponsive. If any Subcontractors are proposed to be used for any portions of the Work, the names, addresses, phone numbers and work classifications of each such Subcontractor must be listed. The failure to list all Subcontractors proposed for the work may result in the Bid being rejected as incomplete and nonresponsive. If more than one manufacturer or subcontractor is listed, selection will be made by the OWNER. If none is listed, those listed as the "Basis for Design" will be used.

Materials and Equipment:

| Item | Supplier |
|---|---|
| Form Boards | Home Depot |
| Limerock Base (as needed) | M.J Strovola Industries |
| 3,000 PSI Concrete | Titan America |
| ADA Mats (FDOT Approved) | White Cap |
| Bahia Sod | Sula Sod |
| Storm Inlet Aprons & Grate | Titan America/ Mack Industries |
| | |
| | |

The City of Ormond Beach reserves the right to require any bidder to submit such evidence of qualifications as it may deem necessary and may consider evidence available concerning the financial and other qualifications and abilities of a Contractor. Failure to provide all required information may result in the proposal being **rejected** as nonresponsive. The minimum qualifications for this project are as follows:

1. The contractor must have a minimum five (5) years-experience installing projects of a similar scope in nature with verifiable references in the following areas:

# Contractor References

**Municipal Projects**

| Project Name / City and State | Contact Information |
|---|---|
| 1. Daytona Beach Fire Station 1 & Admin Bldg | Cory McBriarty \| Sr. Project Manager \| CMcBriarty@whartonsmith.com \| (407) 761-167 |
| 2. ISB Beach Ramp Improvements | Kevin Flynn \| Project Manager \| pm@paulculverconstruction.com \| (407) 810-8696 |

3. Beresford Avenue Extension-Segment B — Halifax Paving Inc. | (386) 676-0200

## Concrete Sidewalks and/or Parking

| Project Name / City and State | Contact Information |
|---|---|
| 1. Parque Business Park - Bldgs 4 & 5 | Gary Roberts \| President \| groberts@ccidaytona.com \| (386) 566-0696 |
| 2. Giuseppe's Parking Lot | Joe Mialki \| popeofpizzas@gmail.com \| (386) 761-4717 |
| 3. E51F9 - SR A1A | Halifax Paving Inc. \| (386) 676-0200 |

## Projects Exceeding $75K as Prime Contractor

| Project Name / City and State | Contact Information |
|---|---|
| 1. Reed Canal Stormwater Pond Expansion | Becky Witte \| bwitte@southdaytona.org \| (386) 322-3011 |
| 2. Tra Thomas Park Improvements \| Deland, FL | Salvatore Lagreca \| (386) 626-7202 \| lagrecas@deland.org |
| 3. South Ridgewood Ave. East Side Sidewalk Improvements \| Ormond Beach, FL | Cara Culliver \| (386) 676-3223 \| cara.culliver@ormondbeach.org |

## Subcontractors:

Work Classification: Construction Materials Testing

Name: Bechtol Engineering & Testing, Inc.

Address: 605 New York Ave W # A, DeLand, FL 32720

Phone Number: (386) 734-8444 Fax Number: N/A

Subcontractors:

Work Classification: Survey & Asbuilts

Name: K&K All Construction Layout, LLC

Address: 1441 GOLF AVE ORMOND BEACH, FL 32174

Phone Number: 386-307-2981 Fax Number: N/A

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

## TRENCH SAFETY STANDARDS

If this project includes trench excavation in excess of five (5) feet in depth, the following trench safety standards will be in effect during the period of construction of the project:

The Occupational Safety and Health Administration's excavation safety standards, 29 C.F.R.s. 1926.650 Subpart P, and any regulation promulgated there under are hereby incorporated as the standard for this project.

The Bidder hereby certifies that the Contractor performing the trench excavation will comply with the applicable trench safety standards.

The Bidder further certifies that the cost (which is included in his unit cost) of compliance with applicable trench safety standards is:

| ITEM | Estimated Quantity | Units | Unit Price | Total Estimated Price |
|---|---|---|---|---|
| 1. Trench Excavation | N/A | L.F. | N/A | N/A |
| 2. Sheeting/Shoring | N/A | S.F. | N/A | N/A |

Hope Drewry 5/20/25
Name (signature) Date

Hope Drewry
Name (typed or printed)

Managing Member
Title

## DRUG-FREE WORKPLACE CERTIFICATION

**Identical Or "Tie" Bids**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Hope Drewry 5/20/25
Name (signature) Date

Hope Drewry
Name (typed or printed)

Managing Member
Title

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

1.

[M] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

2.

[M] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Drewry Site Development
COMPANY NAME

Hope Drewry
AUTHORIZED SIGNATURE

Hope Drewry
NAME (PRINT OR TYPE)

Managing Member
TITLE

5/20/25
DATE

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.
2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.
3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.
4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.
5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Drewry Site Development
COMPANY NAME

AUTHORIZED SIGNATURE

Hope Drewry
NAME (PRINT OR TYPE)

Managing Member
TITLE

5/20/25
DATE

**BID (Cont'd.)**
**CDBG –MILITARY BOULEVARD SIDEWALK IMPROVEMENTS**
**ORMOND BEACH, FLORIDA**

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Managing Member (Title) of Drewry Site Development (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: May 20th, 2025 Signed: Hope Drewry

Title: Managing Member Print Name: Hope Drewry

Entity: Drewry Site Development

STATE OF: Florida COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 20 day of May, 20 25, by Hope Drewry and who:

☑ is personally known to me; or ☐ has produced _____ as identification.

E Hamel

Notary Public, State of Florida at Large: (seal)
*Printed Name/Seal of Notary, Commission*

My commission expires: E Hamel 7/18/2027

**This page must be completed & notarized.**

EMILY J HAMEL
Notary Public - State of Florida
Commission # HH 402763
My Comm. Expires Jul 18, 2027
Bonded through National Notary Assn.

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA

COUNTY OF Volusia

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Hope Drewry. I am over the age of Twenty-One years old. I am the Managing Member (Title) of Drewry Site Development (Business Name), a non-governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Date: May 20th, 2025 Signature: Hope Drewry

Print Name: Hope Drewry

Title: Managing Member

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 20 day of May, 20 25, by Hope Drewry and who:

☑ is personally known to me; or ☐ has produced _____ as identification.

Notary Public, State of Florida at Large:
*Printed Name/Seal of Notary, Commission*

My commission expires: 7/18/27

EMILY J HAMEL
Notary Public - State of Florida
Commission # HH 402763
My Comm. Expires Jul 18, 2027
Bonded through National Notary Assn.

**This page must be completed & notarized.**

**END OF BID**

**SECTION 00410**
**BID BOND**

**KNOW ALL MEN BY THESE PRESENTS**, that we _____

Drewry Site Development, LLC

(*hereinafter called Principal*) and

Merchants National Bonding, Inc.

(*hereinafter called the Surety*) a corporation chartered and existing under the Laws of the State Iowa of with its principal offices in the County of Des Moines and authorized to do business in the State of Florida, in the full and just sum of five percent of the amount bid---------- Dollars ($ ---------5%---------- ) good and lawful money of the United States of America, to be paid upon demand of the _____, Florida, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents,

**WHEREAS**, the Principal is about to submit, or has submitted to the City of Ormond Beach, Florida, a bid for work to be done on the **CDBG Military Boulevard Sidewalk Improvements, Bid No. 2025-32** in, and for the City and

**WHEREAS**, the Principal desires to file this bond in accordance with law, in lieu of a certified or cashier's check otherwise required to accompany this Bid.

**NOW, THEREFORE:** the conditions of this obligation are such that if the Bid be accepted the Principal shall within ten (10) days after the receipt of notification of the acceptance thereof execute a contract in accordance with the Bid and upon the terms, conditions and unit or lump sum prices set forth therein, in the form and manner required by the Owner, and execute a sufficient and satisfactory Contract Bond payable to the Owner, in an amount not less than the total contract price, as indicated by the approximate quantities shown in the Bid, in form and with security satisfactory to the said City, then this obligation to be void; otherwise to be and remain in full force and virtue in law; and the Surety shall upon the failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid City upon demand the amount hereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

**IN TESTIMONY WHEREOF**, the Principal and Surety have caused these presents to be duly signed and sealed this 21st day May, 2025.

Drewry Site Development, LLC
*(Principal)*

By: _____

**ATTEST:**

_____
*(SEAL)*

Merchants National Bonding, Inc.
*(Surety)*

By: _____

Tyler D DeBord Attorney In Fact

**END OF SECTION**
**00410 - 1**

MERCHANTS BONDING COMPANY™

# POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa, d/b/a Merchants National Indemnity Company (in California only) (herein collectively called the "Companies") do hereby make, constitute and appoint, individually,

Pamela J Thompson; Steve P Farmer; Tyler D DeBord

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and April 27, 2024 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015 and amended on April 27, 2024.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and aut hority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 29th day of July , 2024 .

MERCHANTS NATIONAL BONDING, INC. INCORPORATED -o- 2003

MERCHANTS BONDING COMPANY (MUTUAL) INCORPORATED -o- 1933

**MERCHANTS BONDING COMPANY (MUTUAL)**
**MERCHANTS NATIONAL BONDING, INC.**
**d/b/a MERCHANTS NATIONAL INDEMNITY COMPANY**

By Larry Taylor

*President*

STATE OF IOWA
COUNTY OF DALLAS ss.

On this 29th day of July 2024 , before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.

NOTARIAL SEAL IOWA

**Penni Miller**
Commission Number 787952
My Commission Expires
January 20, 2027

*Notary Public*

(Expiration of notary's commission does not invalidate this instrument)

I, Elisabeth Sandersfeld, Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

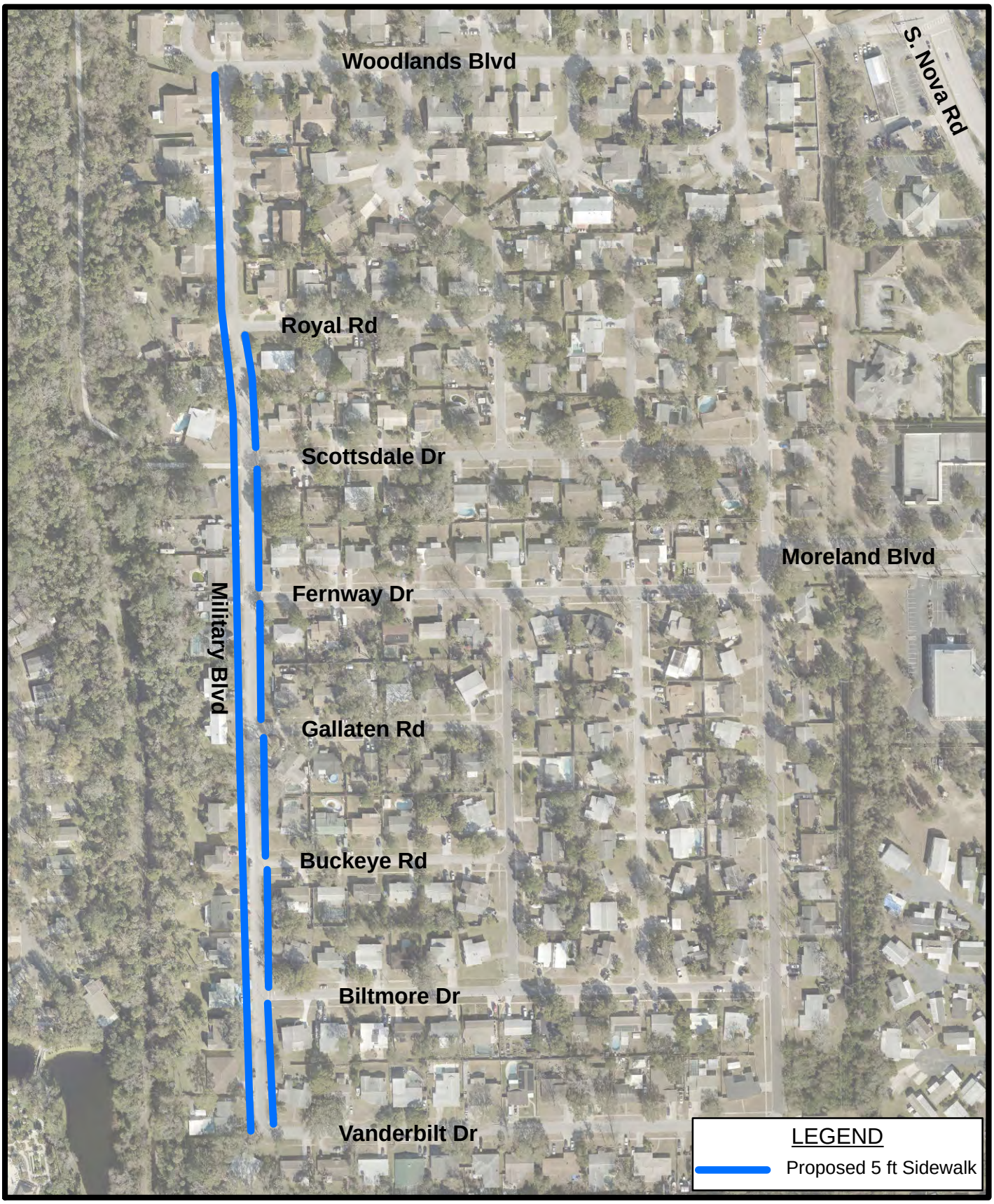
In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 21st day of May 2025 .

MERCHANTS NATIONAL BONDING, INC. INCORPORATED -o- 2003

MERCHANTS BONDING COMPANY (MUTUAL) INCORPORATED -o- 1933

*Secretary*

POA 0018 (6/24)




**CDBG**
**MILITARY BOULEVARD**
**WEST & EAST SIDE SIDEWALK PROJECT**

Prepared By: The City of Ormond Beach
G.I.S. Department - April 4, 2024

N
W E
S

BID OPENING TABULATION

# CDBG Military Boulevard Sidewalk Improvement

**Bid No. 2025-32**

**May 22, 2025 at 2:00 PM**

| Contractor | Addendum 1 | Bid Bond | Total Bid |
|---|---|---|---|
| Paul Culver | y | y | $273,718.00 |
| LAS Contracting Corp | y | y | $394,577.00 |
| AJ General Construction | n | y | $360,050.00 |
| Garcia Civil | y | y | $295,697.92 |
| Nelson Construction | y | y | $243,842.00 |
| CCC Cathcart | y | y | $452,109.13 |
| Drewry Site Development | y | y | $218,651.49 |
| P & S Paving | y | y | $491,000.00 |
| Sparks Concrete | y | y | $283,793.00 |
| | | | |
| | | | |
| | | | |
| | | | |
| MAY22 25 2:00PM | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**Please Note:** The bid proposals are currently being reviewed. All submittals accepted by the City of Ormond Beach are subject to the City's terms and conditions and any and all additional terms and conditions submitted by the bidders are rejected and shall have no force and effect. Bid documents from the bidders listed herein are the only submittals received timely as of the above opening date and time. All other bid documents submitted in response to this solicitation, if any, are hereby rejected as late.

**Tabulated by: Rob Hart**
**Purchasing Coordinator**

**Opened by: Cara Culliver**
**Principal Landscape Architect**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.H. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Board of Adjustments and Appeals Alternate Appointment | | |
| **Recommended Action** | Approval is recommended for the appointment of Amber Bobak as an alternate to the Board of Adjustments and Appeals Advisory Board. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | Support Services<br>Susan Dauderis, City Clerk | | |


Summary

The purpose of this item is for the City Commission to approve the replacement of Fred Heyne as an alternate on the Board of Adjustments and Appeals Advisory Board. This position is appointed by the Zone 1 Commissioner.

Zone 1 Commissioner Tolland has nominated Amber Bobak to replace Mr. Heyne on the board. This is for the remainder of the current 2-year term, set to expire the day prior to the first regularly scheduled City Commission meeting in January 2027.

The Board of Adjustments and Appeals consists of 5 members and 5 alternate members. The board is responsible for hearing and deciding requests for variances from zoning and land use regulations, as well as appeals of decisions made by city staff regarding zoning matters. This board ensures that the application of the City's codes does not create unnecessary hardships while maintaining the intent of the regulations. The Board of Adjustments and Appeals meets as needed, typically on the first Wednesday of the month.


Financial Impact

None

Citizen Impact

City advisory boards are a critical component of municipal government. The City benefits by bringing a variety of perspectives together to provide recommendations on various subjects, ensuring increased transparency, and facilitating community engagement. It is beneficial for the City's advisory boards to be fully appointed.

Attachments

1. 25-109 Bd of Adjustments & Appeals appt
2. Bobak, Amber

**RESOLUTION NO. 2025-109**

A RESOLUTION APPOINTING AN ALTERNATE MEMBER OF THE BOARD OF ADJUSTMENTS AND APPEALS; SETTING FORTH TERMS AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** Amber Bobak is hereby appointed as an alternate member of the Board of Adjustments and Appeals as the appointee of the Zone One City Commissioner.

**SECTION TWO.** The said appointee shall complete the two (2) year term of Fred Heyne that shall expire the day prior to the first regularly scheduled city commission meeting in January 2027, and shall serve without compensation for such service in accordance with the provisions of Article VI, Chapter 2, of the *Code of Ordinances* and Chapter 1, Article II, Section 1.16 of the *Land Development Code.*

**SECTION THREE.** This Resolution shall take effect immediately upon adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

Print

## Advisory Board Interest Application - Submission #5505

**Date Submitted: 5/19/2025**

**Please select the advisory board(s) for which you wish to be considered:***

- [ ] Aviation Advisory Board
- [x] Board of Adjustments and Appeals*
- [ ] Budget Advisory Board
- [ ] Brownfield Advisory Board
- [ ] Citizens' Law Enforcement Advisory Board
- [ ] General Employees' Pension Fund*
- [ ] Historic Landmark Preservation Board
- [ ] Housing Authority
- [ ] Human Resources Board
- [ ] Leisure Services Advisory Board
- [ ] Firefighters' Pension Trust Fund*
- [ ] Police Officers' Pension Trust Fund*
- [x] Neighborhood Improvement Advisory Board
- [x] Planning Board*
- [ ] Quality of Life Advisory Board
- [ ] Intergovernmental Appointments**

**ALL ADVISORY BOARDS ARE SUBJECT TO THE "SUNSHINE LAW." Advisory board members are required to be residents of the City of Ormond Beach, and are required to meet attendance requirements.**

**Members of these advisory boards are required to file a financial disclosure form within 30 days of appointment to the board.*

***To boards such as River to Sea Citizens' Advisory Committee, Volusia Growth Management Commission, etc.*

**PERSONAL:**

**First Name:*** Amber

**Last Name:*** Bobak

**Email Address:*** ambert_thomas@icloud.com

**Home Address:*** 397 Collins Street

**City:*** Ormond Beach

**State:*** Florida

**Zip:*** 32174

**Personal Phone:*** 3864514576

**Employer:** Cains Electric

**Present Occupation:** Office Mgr.

**Work Phone:** 386-333-9781

**Work Address:** 70 N. Perrott Dr.

**City:** Ormond Beach

**State:** FL

**Zip:** 32174

**How long have you been a resident of Ormond Beach:*** 23 years

**How long have you lived in Volusia County:*** 23 Years

**Are you currently serving on a City advisory board?***

- [ ] Yes
- [x] No

**Have you ever served on a City advisory board?***

- [ ] Yes
- [x] No

**If yes, which board(s)?**

**EDUCATION:**

| High School: | Date Graduated: |
| --- | --- |
| Seabreeze | 2005 |

| College: | Date Graduated: |
| --- | --- |
| | |

**Degree:**

**Other Training:**

**EXPERIENCE:**

**Company/Employer and type of business or area of experience:***

For the last 8 years I have worked in the construction industry for Cains electric.

**Company/Employer and type of business or area of experience:***

I have lived in this area for more than 20 year

**Company/Employer and type of business or area of experience:***

property owner in Ormond for the last 6 years.

**COMMUNITY INVOLVEMENT:**

**Please list civic, religious, fraternal, etc., affiliations (include organization name, activity, and dates):***

Team RWB- local weekly events as well as, family activity leader where I coordinated family friendly cost effective events for our active/veteran community 2012-2019

Grace Lutheran Church - Ran the pumpkin patch for 5 years- 2014-2019

Seabreeze Soccer- I ran the concession stand for 4 years, and over saw the teams finances my sons Senior year-2019-2023

Not sure on date specifics but I have also volunteered with the YMCA for running events, between years of 2015-2019

**INTEREST:**

**Please provide a brief statement concerning your interest in advisory boards and your willingness to serve as a member. ***

I care deeply about the future of this community and would like to ensure that growth and development align with values and needs of Ormond Beach.
I would like to be actively involved in local planning issues and preserving our neighborhoods charter and quality of life.

**AVAILABILITY:**

**When would you be available for meetings:***

- [ ] Mornings
- [ ] Afternoons
- [x] Evenings
- [x] Weekends

**Notes regarding availability:**

Can be flexible as long as notice is given.

**CONFLICTS OF INTEREST:**

**Can you think of any situation that might constitute a conflict of interest if you are selected to serve on an advisory board on which you may be interested in serving?***

no

**REFERENCES:**

**Please list three business or personal references:**

**First Name:**

Shaun

**Last Name:**

Haffner

**Occupation:**

Owner/president Cains Electric

**Personal Phone:**

386-562-7837

**Work Phone:**

**Address:**

617 Champion Ridge Dr. Daytona Beach

**First Name:**

Tabitha

**Last Name:**

Peterson

**Occupation:**

Boston Whaler- digital media

**Personal Phone:**

423-503-4939

**Work Phone:**

**Address:**

1139 Herbert Street Port Orange, FL 32129

**First Name:**

Lani

**Last Name:**

Faulkner

**Occupation:**

Team RWB

**Personal Phone:**

904-334-7053

**Work Phone:**

**Address:**

15 Parkview Land, OB FL 32174

**If you have questions concerning the duties and responsibilities of any of the advisory boards, please contact the City Clerk at 386-676-3331.**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.I. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Brownfield Advisory Board Appointment | | |
| **Recommended Action** | Approval is recommend for the appointment of Kenneth Smith to the Brownfield Advisory Board. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | Support Services<br>Susan Dauderis, City Clerk | | |

Summary

The purpose of this item is for the City Commission to approve the replacement of Fred Heyne on the Brownfield Advisory Board (BFAB). This position is appointed by the Mayor.

Mayor Leslie has nominated Kenneth Smith to replace Mr. Heyne on the board. This is for the remainder of the current 2-year term, set to expire the day prior to the first regularly scheduled City Commission meeting in January 2027.

The Brownfield Advisory Board consists of 7 members and is established by the Brownfield's Redevelopment Act. Since the grant's completion, the board is responsible for reviewing the Brownfield draft plan for site rehabilitation and holding a public meeting to hear the findings and recommendations in the site assessment report. The properties in designated Brownfield areas (all of Ormond Beach) are potentially eligible for the tax credit program. This board meets as needed, typically quarterly on the second Tuesday of the month.

Financial Impact

None

Citizen Impact

City advisory boards are a critical component of municipal government. The City benefits by bringing a variety of perspectives together to provide recommendations on various subjects, ensuring increased transparency, and facilitating community engagement. It is beneficial for the City's advisory boards to be fully appointed.

Attachments

1. 25-110 Brownfield adv bd appointment
2. Smith, Kenneth

**RESOLUTION 2025-110**

A RESOLUTION APPOINTING A MEMBER OF THE BROWNFIELD ADVISORY BOARD; SETTING FORTH TERMS AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** Kenneth Smith is hereby appointed to serve as a member of the Brownfield Advisory Board, as the appointee of the Mayor.

**SECTION TWO.** The said appointee shall complete the two-year term of Fred Heyne that shall expire the day prior to the first regularly scheduled city commission meeting in January 2027, and shall serve without compensation in accordance with the provisions of Article VI, Chapter 2, of the *Code of Ordinances*, including Section 2-229 thereof.

**SECTION NINE.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST**:

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# Advisory Board Interest Application

Kenneth Smith

Aviation Advisory Board
Board of Adjustments and Appeals
Brownfield Advisory Board
Budget Advisory Board
Citizens' Law Enforcement Advisory Board
General Employees' Pension Fund
Historic Landmark Preservation Board
Housing Authority
Human Resources Board
Leisure Services Advisory Board
Municipal Firefighters' Pension Trust Fund
Municipal Police Officers' Pension Trust Fund
Neighborhood Improvement Advisory Board
Planning Board
Quality of Life Advisory Board
Intergovernmental Appointments

**Print**

## Advisory Board Interest Application - Submission #5278

**Date Submitted: 11/21/2024**

**Please select the advisory board(s) for which you wish to be considered:***

- ☑ Aviation Advisory Board
- ☑ Board of Adjustments and Appeals*
- ☑ Budget Advisory Board
- ☑ Brownfield Advisory Board
- ☑ Citizens' Law Enforcement Advisory Board
- ☑ General Employees' Pension Fund*
- ☑ Historic Landmark Preservation Board
- ☑ Housing Authority
- ☑ Human Resources Board
- ☑ Leisure Services Advisory Board
- ☑ Firefighters' Pension Trust Fund*
- ☑ Police Officers' Pension Trust Fund*
- ☑ Neighborhood Improvement Advisory Board
- ☑ Planning Board*
- ☑ Quality of Life Advisory Board
- ☑ Intergovernmental Appointments**

**ALL ADVISORY BOARDS ARE SUBJECT TO THE "SUNSHINE LAW." Advisory board members are required to be residents of the City of Ormond Beach, and are required to meet attendance requirements.**

***Members of these advisory boards are required to file a financial disclosure form within 30 days of appointment to the board.***

****To boards such as River to Sea Citizens' Advisory Committee, Volusia Growth Management Commission, etc.***

**PERSONAL:**

**First Name:*** Kenneth

**Last Name:*** Smith

**Email Address:*** Jraaca@yahoo.com

**Home Address:*** 109 S Washington St

**City:*** Ormond Beach

**State:*** FL

**Zip:*** 32174

**Personal Phone:***

3865662537

**Work Address:**

173 S Yonge St

**City:** Ormond Beach

**State:** FL

**Zip:** 32174

**Work Phone:**

3866732916

**Present Occupation:**

Self Employed

**How long have you been a resident of Ormond Beach:***

43

**How long have you lived in Volusia County:***

43

**Are you currently serving on a City advisory board?***

- [ ] Yes
- [x] No

**Have you ever served on a City advisory board?***

- [x] Yes
- [ ] No

**If yes, which board(s)?**

Citizens' Law Enforcement Advisory Board

**EDUCATION:**

| **High School:** | **Date Graduated:** |
| --- | --- |
| Seabreeze | 1999 |

| **College:** | **Date Graduated:** |
| --- | --- |
| na | |

**Degree:**

**Other Training:**

**EXPERIENCE:**

**Company/Employer and type of business or area of experience:***

Wall-Y-World

**Company/Employer and type of business or area of experience:***

Art Gallery

**Company/Employer and type of business or area of experience:***

Small Business

**COMMUNITY INVOLVEMENT:**

**Please list civic, religious, fraternal, etc., affiliations (include organization name, activity, and dates):***

Sons of the Beach President, Republican Conservative Ormond Beach Assembly Vice President

**INTEREST:**

**Please provide a brief statement concerning your interest in advisory boards and your willingness to serve as a member. ***

I wish to serve Ormond Beach

**AVAILABILITY:**

**When would you be available for meetings:***

- [x] Mornings
- [x] Afternoons
- [x] Evenings
- [x] Weekends

**Notes regarding availability:**

**CONFLICTS OF INTEREST:**

**Can you think of any situation that might constitute a conflict of interest if you are selected to serve on an advisory board on which you may be interested in serving?***

My Wife works for the Volusia County Sheriff

**REFERENCES:**

**Please list three business or personal references:**

**First Name:**

**Last Name:**

**Occupation:**

**Personal Phone:**

**Work Phone:**

**Address:**

**First Name:**

**Last Name:**

**Occupation:**

**Personal Phone:**

**Work Phone:**

**Address:**

**First Name:**

**Last Name:**

**Occupation:**

**Personal Phone:**

**Work Phone:**

**Address:**

**If you have questions concerning the duties and responsibilities of any of the advisory boards, please contact the City Clerk at 386-676-3331.**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.J. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Ormond Beach Housing Authority Appointment | | |
| **Recommended Action** | Approval is recommended for the resolution appointing Lindsey Wolf as a commissioner to the Ormond Beach Housing Authority. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | Support Services<br>Susan Dauderis, City Clerk | | |


Summary

Per Florida Statute, the Mayor appoints the 5 Housing Authority commissioners with the approval of the City Commission. Terms of commissioners are 4 years. Mayor Leslie is appointing Lindsey Wolf to fill the position previously held by Joe Daniels, who has resigned. This appointment is to complete the reminder of the unexpired term to October 5, 2026. The Mayor is the only person who can make nominations to the housing authority and the Mayor is only required to present one nominee.


The Housing Authority is governed by Chapter 421, Florida Statutes. It was established to provide public housing for individuals with low incomes at affordable rental rates. The Authority leases and operates the housing project at 100 New Britain Avenue, as well as other low-income rentals within the City. Its responsibilities include overseeing repairs and rental rates, investigating living conditions, and studying issues related to public housing.

The Housing Authority must have at least 1 commissioner who is a resident of one of the housing projects and is current on rent, or is a person of very low income who receives a rent subsidy and lives within the Authority's jurisdiction. Another member of the Housing Authority meets this requirement.

Financial Impact

None

Citizen Impact

This appointment will serve to allow the Ormond Beach Housing Authority to continue to fulfill its mission of serving the housing needs of low-income citizens in the community.

Attachments

1. 25-111 Housing Authority Appt
2. Joe Daniels Resignation
3. Lindsey Wolf Application

**RESOLUTION NO. 2025-111**

A RESOLUTION APPOINTING LINDSEY WOLF AS A MEMBER TO SERVE AS A COMMISSIONER OF THE ORMOND BEACH HOUSING AUTHORITY; SETTING FORTH TERM AND CONDITIONS OF SERVICE; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, there currently exists a vacancy on the Ormond Beach Housing Authority, and

**WHEREAS**, pursuant to section 421.05, *Florida Statutes*, the Mayor, with the approval of the City Commission, appoints members to serve on the Ormond Beach Housing Authority, and

**WHEREAS**, the Mayor desires to appoint Lindsey Wolf to serve on the Ormond Beach Housing Authority, and

**WHEREAS,** the City Commission concurs with the appointment of said person to the Ormond Beach Housing Authority; now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** Lindsey Wolf is hereby appointed to serve as commissioner of the Ormond Beach Housing Authority to complete the four-year term of Joe Daniels that shall expire October 5, 2026.

**SECTION TWO.** The said appointee shall receive no compensation for services, but shall be entitled to the necessary expenses, including travel expenses, incurred in the discharge of duties.

**SECTION THREE.** The said appointee shall serve in accordance with Resolution 80-135, Chapter 421, *Florida Statutes*, and all other applicable law.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

July 16, 2025

Dear Mayor Jason Leslie,

Please accept this letter as my formal resignation from the Ormond Beach Housing Authority effective May 31, 2025. It was my intent to resign following the May 30th Housing Authority meeting.

I want to express my sincere appreciation to Joyce Shanahan, City Manager, former Mayor Partington, and you for the opportunity to serve on the board. It has been an honor to contribute to the important work being done, and I am confident the board is in good hands and will continue to make meaningful progress.

With gratitude,

Joe Daniels

# Advisory Board Interest Application

Lindsey Wolf

## Currently Serving On:

- Leisure Services Advisory Board

## Interested In Serving On:

- Leisure Services Advisory Board
- Historic Landmark Preservation Board
- Neighborhood Improvement Advisory Board
- Housing Authority

**Print**

## Advisory Board Interest Renewal Application - Submission #4900

**Date Submitted: 9/3/2024**

**This form is intended to be utilized by currently serving Advisory Board members to indicate their willingness to continue to serve. If you are not currently serving on an advisory board and wish to do so, please complete the Advisory Board Interest Application at www.ormondbeach.org/boardapp instead.**

**Please provide your current contact information below:**

**First Name:***

Lindsey

**Last Name:***

Wolf

**Email Address:***

lindseyawolf@outlook.com

**Personal Phone:***

4074323849

**Home Address:***

156 Lucky Drive

**City:***

Ormond Beach

**State:***

FL

**Zip:***

32176

**Current Occupation:**

Real Estate Agent

**How long have you been a resident of Ormond Beach?**

6.5 years

**Any Potential Conflicts of Interest:**

No

**Please list any community involvement:**

Leisure Services Advisory Board, Ormond Chamber Leadership Class 2024, DBAAR New Realtor Forum Chair 2023 & 2024, Member of Grievance Committee and prior member of Government Affairs, YPN and Member Services, Treasurer and Sponsorship Chair for the Daytona Beach Quarterback Club, driver for Meals on Wheels.

**Please select the advisory board(s) on which you currently serve and wish to continue to serve:***

- ☐ Aviation Advisory Board
- ☐ Board of Adjustment and Appeals*
- ☐ Budget Advisory Board
- ☐ Brownfield Advisory Board
- ☐ Citizens' Law Enforcement Advisory Board
- ☐ General Employees' Pension Fund*
- ☐ Historic Landmark Preservation Board
- ☐ Housing Authority
- ☐ Human Resources Board
- ☑ Leisure Services Advisory Board
- ☐ Municipal Firefighters' Pension Trust Fund*
- ☐ Municipal Police Officers' Pension Trust Fund*
- ☐ Neighborhood Improvement Advisory Board
- ☐ Planning Board*
- ☐ Quality of Life Advisory Board
- ☐ Intergovernmental Appointments**

**Please select any ADDITIONAL advisory board(s) for which you wish to be considered:**

- ☐ Aviation Advisory Board
- ☐ Board of Adjustment and Appeals *
- ☐ Budget Advisory Board
- ☐ Brownfield Advisory Board
- ☐ Citizens' Law Enforcement Advisory Board
- ☐ General Employees' Pension Fund*
- ☑ Historic Landmark Preservation Board
- ☐ Housing Authority
- ☐ Human Resources Board
- ☐ Leisure Services Advisory Board
- ☐ Municipal Firefighters' Pension Trust Fund*
- ☐ Municipal Police Officers' Pension Trust Fund*
- ☑ Neighborhood Improvement Advisory Board
- ☐ Planning Board*
- ☐ Quality of Life Advisory Board
- ☐ Intergovernmental Appointments**

**ALL ADVISORY BOARDS ARE SUBJECT TO THE "SUNSHINE LAW." Advisory board members are required to be residents of the City of Ormond Beach, and are required to meet attendance requirements.**

***Members of these advisory boards are required to file annual financial disclosure forms.***

****To boards such as River to Sea Citizens' Advisory Committee, Volusia Growth Management Commission, etc.***

**Please briefly describe why you should be considered for appointment (or reappointment) to any board(s), also include anything else you think we should know about you and your interest in serving on behalf of the City.***

I thoroughly enjoy getting to learn more about our beautiful city and what we are doing to maintain and upkeep it. I make it a point to attend as many of the meetings as I can and I would really like to continue to serve our community.

**Any additional comments regarding meeting availability:**

**If you have questions concerning the duties and responsibilities of any of the advisory boards, please contact the City Clerk at 386-676-3331.**

**Print**

## Advisory Board Interest Application - Submission #5263

**Date Submitted: 11/17/2024**

**Please select the advisory board(s) for which you wish to be considered:***

- ☐ Aviation Advisory Board
- ☐ Board of Adjustments and Appeals*
- ☐ Budget Advisory Board
- ☐ Brownfield Advisory Board
- ☐ Citizens' Law Enforcement Advisory Board
- ☐ General Employees' Pension Fund*
- ☐ Historic Landmark Preservation Board
- ☑ Housing Authority
- ☐ Human Resources Board
- ☐ Leisure Services Advisory Board
- ☐ Firefighters' Pension Trust Fund*
- ☐ Police Officers' Pension Trust Fund*
- ☐ Neighborhood Improvement Advisory Board
- ☐ Planning Board*
- ☐ Quality of Life Advisory Board
- ☐ Intergovernmental Appointments**

**ALL ADVISORY BOARDS ARE SUBJECT TO THE "SUNSHINE LAW." Advisory board members are required to be residents of the City of Ormond Beach, and are required to meet attendance requirements.**

***Members of these advisory boards are required to file a financial disclosure form within 30 days of appointment to the board.***

****To boards such as River to Sea Citizens' Advisory Committee, Volusia Growth Management Commission, etc.***

**PERSONAL:**

**First Name:*** Lindsey

**Last Name:*** Wolf

**Email Address:*** lindseyawolf@outlook.com

**Home Address:*** 156 Lucky Drive

**City:*** Ormond Beach

**State:*** FL

**Zip:*** 32176

**Personal Phone:*** 4074323849

**Work Address:** 2110 Ocean Shore Boulevard

**City:** Ormond Beach

**State:** Florida

**Zip:** 32176

**Work Phone:**

**Present Occupation:** Real Estate Agent

**How long have you been a resident of Ormond Beach:*** 6.5 years

**How long have you lived in Volusia County:*** 10.5 years

**Are you currently serving on a City advisory board?***

- [x] Yes
- [ ] No

**Have you ever served on a City advisory board?***

- [x] Yes
- [ ] No

**If yes, which board(s)?** Leisure Services Advisory Board

**EDUCATION:**

| High School: | Date Graduated: |
|---|---|
| Westminster Academy | 2001 |

| College: | Date Graduated: |
|---|---|
| University of Central Florida | 2006 |

**Degree:**

Business Administration

**Other Training:**

I have been the Chair of the New Realtor Forum for DBAAR for the last two years and was Vice Chair the year prior. I also serve on our Grievance Committee and was previously on YPN, Member Services and Government Affairs.

**EXPERIENCE:**

**Company/Employer and type of business or area of experience:***

Realty Pro's Assured - in Real Estate Sales and therefore care about housing in our area.

**Company/Employer and type of business or area of experience:***

Holt Appraisal Firm - I am currently working on my Appraiser's license and the more connected I am to the housing market, the better I can serve my clients.

**Company/Employer and type of business or area of experience:***

Loyal Source Government Services - Previous Employer, but directly delt with government contractors.

**COMMUNITY INVOLVEMENT:**

**Please list civic, religious, fraternal, etc., affiliations (include organization name, activity, and dates):***

I am a member of the Ormond Beach Chamber (since 2021) and a graduate of the Leadership Class this year. I am a member of DBAAR (since 2020), was Chair of New Realtor Forum for the last two years and Vice Chair the year prior, I also did Leadership for DBAAR in 2022. I am a member (2021) and the first Woman to be on a committee or hold a board position for the Daytona Beach Quarterback Club and I am on the Leisure Services Advisory Board (last two years). I also drive for Meals on Wheels and have been since about June of this year. I recently was included to help with Ormond Mainstreet putting on Riverfest and hope to continue with that.

**INTEREST:**

**Please provide a brief statement concerning your interest in advisory boards and your willingness to serve as a member. ***

I love Ormond. I am a Florida native and I love this city and passionately care about it thriving. I am willing to serve on any committee to make sure that Ormond is a community that people want to continue to move to and enjoy.

**AVAILABILITY:**

**When would you be available for meetings:***

- [x] Mornings
- [x] Afternoons
- [x] Evenings
- [x] Weekends

**Notes regarding availability:**

**CONFLICTS OF INTEREST:**

**Can you think of any situation that might constitute a conflict of interest if you are selected to serve on an advisory board on which you may be interested in serving?***

No.

**REFERENCES:**

**Please list three business or personal references:**

**First Name:**

Patty

**Last Name:**

Lynn

**Occupation:**

Realtor/Manager

**Personal Phone:**

386-299-5914

**Work Phone:**

**Address:**

**First Name:** Les

**Last Name:** Puc

**Occupation:** Realtor

**Personal Phone:** 813-449-1111

**Work Phone:**

**Address:**

**First Name:** Paul (Buzzy)

**Last Name:** Porter

**Occupation:** Broker/Manager

**Personal Phone:** 386-547-5545

**Work Phone:**

**Address:**

**If you have questions concerning the duties and responsibilities of any of the advisory boards, please contact the City Clerk at 386-676-3331.**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.K. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Ormond Memorial Art Museum Service Agreement | | |
| **Recommended Action** | Staff recommends approval of the renewal agreement for services with the OMAM for an additional year, with the effective date of Oct. 1, 2025. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Leisure Services<br>Robert Carolin, Leisure Services Director | | |


Summary

This is the renewal of the annual contract for services agreement with the Ormond Memorial Art Museum (OMAM).

OMAM provides an important service to the community historically and culturally. The museum provides year-round art exhibits, tributes, classes, and cultural events that are professionally created, organized, and managed by the OMAM staff.

The contract has been renewed annually since 2008, and remains in effect through September 30, 2025. Per the agreement, the contract may be renewed for additional one-year periods based on the City's fiscal calendar. The annual funding assists OMAM in providing free admittance 7 days a week, and supports the free art outreach programs for veterans.


Financial Impact

The OMAM agreement is included in the Fiscal Year 2025-26 General Fund proposed budget at the current year's amount of $75,150.

Citizen Impact

OMAM is a critical cultural addition to the downtown area and has consistently provided excellent service to the City, residents, and visitors.

Attachments

1. 25-112 OMAM Svc Agr (P25-0055G)
2. Ormond Memorial Art Museum Agr P25-0055G

3. OMAM Annual Requst for Service_2025-2026
4. OMAM P&L_FY_24-25_3-31-2025
5. STRATEGIC PLAN 2025-2030-Approved
6. Business Plan_OMAM_2024-2025
7. Certificate of Insurance for City of Ormond Beach
8. Ormond Memorial Art Museum Agreement

**RESOLUTION NO. 2025-112**

A RESOLUTION AUTHORIZING EXECUTION OF A SERVICE AGREEMENT BETWEEN THE CITY AND THE ORMOND MEMORIAL ART MUSEUM, INC.; AUTHORIZING THE EXPENDITURE OF FUNDING; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City Commission desires to enter into an agreement with the Ormond Memorial Art Museum, Inc. regarding the activities and functions connected with the maintenance and operation of the museum, and

**WHEREAS**, the City Manager has certified that the City's $75,150.00 funding contribution has been appropriated in the General Fund (001) and has not been appropriated for any other purpose, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The Mayor and the City Manager are hereby authorized and directed to execute a Service Agreement between the City of Ormond Beach and the Ormond Memorial Art Museum, Inc. regarding the activities and functions connected with the maintenance and operation of the museum, a copy of said Agreement being attached hereto and incorporated herein by reference.

**SECTION TWO.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this ____ day of _____, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**SERVICE AGREEMENT**
**FOR ORMOND MEMORIAL ART MUSEUM, INC.**

**THIS AGREEMENT** is entered into by and between the **CITY OF ORMOND BEACH ("CITY"),** a Florida municipal corporation, and **ORMOND MEMORIAL ART MUSEUM, INC. ("MUSEUM"),** a Florida non-profit corporation, in consideration of the terms and conditions described as follows.

1. **Recitals.** The parties agree that the foregoing recitals are true and correct and are incorporated herein by reference and are part of this Agreement.

2. **Term.** This Agreement shall be effective on the date it is last signed by the undersigned parties and shall continue in effect through and including September 30, 2026. Thereafter, this Agreement may be renewed for additional one (1) year periods beginning on October 1st and ending on September 30th of the following year.

3. **Responsibilities of the Respective Parties.**

*The MUSEUM shall be responsible for the following:*

*a)* Administering a professional Art Museum, including programs and exhibitions, that shall be open and free to the public Monday through Saturday, 10:00 a.m. to 4:00 p.m.; and Sunday, 12:00 p.m. to 4:00 p.m. Closed major holidays and between exhibitions.

b) Hosting monthly pop-up professionally curated Art Exhibitions in the museum galleries as well as in different locations throughout the City.

c) Conducting both in person and online educational art enrichment and outreach programs in the museum classroom(s) and offsite to support underserved Ormond

Beach population with *Free Family Art Nights,* programs for veterans, programs for visitors with limited or no vision, and to those with medical conditions.

d) Participating and representing Ormond Beach at Volusia County Cultural Alliance and participate in ECHO Ranger Children's Program.

e) Offering online art and nature education classes for adults and children, including a summer camp for 2026.

f) Collaborating and partnering with the City of Ormond Beach and Ormond Beach Main Street to host Art in the Park Art Show, and other community cultural events.

g) Hosting a Veteran's Day Tribute reception or event annually.

h) Maintaining an active presence for Ormond Beach and Ormond Memorial Art Museum in the Florida Association of Museums and the American Alliance of Museums.

i) Stewarding and professionally maintaining and marketing the Malcolm Fraser collection of paintings.

j) Maintaining the preservation of the Gardens by providing the labor, material and maintenance for the formal planting of flower beds with annuals, providing change of color with each season as per attached Memorial Gardens Care Plan.

k) Operating under the Art Museum Advisory Board derived from the Ormond Memorial Art Museum, Inc.

l) Collecting and disseminating data, providing assistance to City committees, Quality of Life Board, Leisure Services Advisory Board, Ormond Memorial Art Board, and attending various meetings relative to such tasks.

m) Providing information to the City of Ormond Beach webpage in regards to programming information as it relates to the Ormond Memorial Art Museum and Gardens.

n) Maintaining an Art Museum Director.

o) Scheduling and providing rental opportunities for weddings and social functions in the Museum, gazebo and the gardens. The fees charged shall be consistent with the City's Fee Schedule as approved annually. Museum shall be entitled to retain all rental fees collected. It is the Museum's responsibility to ensure that the renting parties execute use agreements, provide insurance, and execute a release of liability and indemnity agreement (requirements are more specifically described in the Ormond Memorial Lease Agreement). The Museum shall permit use of meeting rooms by City staff or officials without charge when such use is for City purposes and does not conflict with another previously scheduled event.

*The CITY shall be responsible for the following:*

a) The City shall make an annual contribution to the Ormond Art Museum in the total sum of seventy five thousand one hundred fifty and 00/100 ($75,150.00), payable in quarterly installments of eighteen thousand seven hundred eighty seven and 50/100 dollars ($18,787.50).

b) The parties shall be responsible for maintenance and repair of the structures and facilities as provided in the Ormond Memorial Art Museum Lease Agreement. Janitorial services shall be provided by the Museum.

c) The City shall provide regular grounds maintenance services in coordination with the Museum Gardener's duties and as provided in the attached Memorial Gardens Care Plan.

d) The City shall be responsible for the payment of all electrical and water charges in the Gardens.

e) Any proposed capital improvements shall be approved by, and at the discretion of, the Ormond Beach City Commission.

f) The City shall have oversight for the garden memorials, with garden benches and specific plants, donated by local residents as tributes to family members and friends.

g) The City shall allow Museum non-exclusive use of the grassy area located behind the St. James church as overflow parking. Reservations for use of the overflow parking area must be made with the City's designated representative. The parking area is depicted on Exhibit "A" which is attached hereto and incorporated herein by reference. The Museum shall ensure that its liability insurance policy is updated to reflect insurance coverage for this additional parking lot area.

**4. Art Museum Advisory Board.** The responsibilities of the parties delineated in this Agreement are consistent with the purpose of the Art Museum Advisory Board set forth in Section 2-219, City of Ormond Beach *Code of Ordinances*.

The City Manager, or designee, and the chairman of the Quality of Life advisory board shall be ex officio voting members of the board of directors of the MUSEUM, in accordance with Section 2-219, *Code of Ordinances*.

5. **Termination of Agreement.** Either party may terminate this Agreement without cause upon giving the other party at least sixty (60) days prior written notice of the intention to terminate this Agreement.

6. **Relationship of Parties.** Neither the CITY (including any of its elected or appointed officers, employees, agents or other representatives) nor MUSEUM (including any of its directors, officers, employees, agents or other representatives) are the employee, agent, or other representative of the other party; and all activity performed by either party pursuant to and in furtherance of this Agreement, whether directly or indirectly related to this Agreement, shall constitute the separate and independent act of the respective party performing said act.

7. **Liability and Indemnification.** MUSEUM shall fully defend, indemnify, save, and hold the CITY (including its elected and appointed officers, employees, agents, and other representatives) harmless from and against all suits, action, claims, proceedings, demands, or liability of any nature whatsoever (including attorney's fees through and including all appeals), arising from injury, loss, or damage to any person or property, which is directly or indirectly caused by or results from any act or negligence of MUSEUM (including its directors, officers, employees, agents and other representatives).

8. **Miscellaneous.** MUSEUM shall:

**a)** Obtain and maintain at its sole expense, all applicable licenses, permits and certificates which are necessary to discharge MUSEUM'S duties under this Agreement.

**b)** Be solely responsible for paying all costs relative to the discharge of its duties under this Agreement, except as otherwise indicated herein.

c) Comply with all applicable federal, state, and local laws, rules, and regulations.

d) Have the option to serve beer, wine and liquor under the following conditions:

- Any profits of the sale of alcohol at the MUSEUM shall directly benefit MUSEUM operations.
- The MUSEUM must ensure that the MUSEUM and any vendors comply with state liquor licensing, and all state and local regulations.
- The MUSEUM shall maintain liquor liability insurance of no less than 1 million per occurrence naming the CITY as an additional insured, and shall require any vendors selling alcohol to provide proof of liquor liability insurance in the same amount.
- The MUSEUM shall indemnify and hold the CITY harmless from any liability resulting from any personal injury or property damage occurring as a result of any service or sale of alcohol at the MUSEUM.
- The MUSEUM is ultimately responsible for maintaining appropriate safety and security at any event where alcohol is served or sold. At any event in which alcohol is served, supervision by MUSEUM staff is mandatory.
- All applications for use of the MUSEUM by third parties shall state whether alcohol will be sold or served.
- All records of alcohol sales shall be provided by the MUSEUM to the CITY as part of the annual report accounting of the Museum's

revenues from events and operation of concessions as required by the Ormond Memorial Art Museum Lease Agreement

- The City shall have the right to terminate alcohol sales or service at the MUSEUM if any of the above conditions are not met.

9. **Assignment.** Neither this Agreement nor any part thereof may be assigned to any other person or entity without the prior written consent of the City Commission.

10. **Sovereign Immunity.** The CITY expressly retains all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the CITY.

11. **Complete Agreement.** The terms of this Service Agreement are incorporated into the Lease of the Ormond Memorial Art Museum and Building effective October 1, 2019, and together, these Agreements constitute the entire and complete agreement by and between the parties.

12. **Amendments.** This Agreement may not be amended unless such changes are reduced to writing, which amendments must be approved by the City Commission, and signed by both parties.

13. **Public Purpose.** The allocation and expenditure of public funds herein provided are intended to serve clearly identifiable and concrete public purposes as the primary objective of this agreement, with a reasonable expectation that such public purposes will be substantially and effectively accomplished, and that the public funds provided herein are not to be used for general functions or purposes of MUSEUM. The parties determine that the use of the public funds are intended to satisfy the "public purpose" principles established in O'*Neill v. Burns,* 198 So.2d 1 (Fla. 1967) and Florida Attorney General Opinion 75-221 (July 24, 1975).

14. **Compliance With Florida Public Records Law.** MUSEUM expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the contracted service.

(b) Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

(d) Meet all requirements for retaining public records and transfer, at no cost, to the City all public records in possession of the MUSEUM upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City.

(e) Failure of MUSEUM to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32175. (386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

**IN WITNESS WHEREOF,** the undersigned parties have caused this Service Agreement to be signed on the dates indicated hereinbelow.

**DATE:** _____, 2025.

**CITY OF ORMOND BEACH**

By: _____
**JASON LESLIE**
Mayor

Attest: _____
**JOYCE A. SHANAHAN**
City Manager

**DATE:** _____, 2025.

**ORMOND MEMORIAL ART MUSEUM, INC.**

By: _____
Print Name _____
President

Attest: _____
Print Name _____
Director

# Memorial Gardens Care Plan

**Mowing Contract** (City of Ormond Beach)
39 visits per year – once weekly in summer, once every two weeks in winter
Services provided:
Mow grass
Edge grass
Weed eat grass
Blow off parking lot & paths
Mulch once per year
Fertilize grass

**Parks Maintenance Duties** (City of Ormond Beach):
Blow off paths two times per week
Maintain & repair hardscape elements as needed
Repair major irrigation problems

**Museum Gardener** (OMAM)
**Funding:** OMAM
**Duties:**
Plant, maintain, weed & fertilize flower beds
Prune shrubs
Weed shrubs
Clean up storm debris & litter

**Other** (currently being done by Museum Gardener):
Remove underbrush & dead plant material
Prune overgrowth
Edge & prune paths
Prune around ponds
Clean out 4 ponds weekly
Monitor pumps on ponds, keep aerators clean & make minor repairs
Monitor irrigation

(pruning & weeding debris averages 190 cubic yards a year)

Exhibit "A"




**LOCATION MAP**
**38 EAST GRANADA BOULEVARD**
**(PARCEL ID 4214-11-00-0020)**

Prepared By: The City of Ormond Beach
G.I.S. Department - September 16, 2021

N
W E
S
1 Inch = 100 feet

Ormond Memorial
# Art Museum & Gardens

78 East Granada Blvd.
Ormond Beach, FL 32176

386.676.3347 tel
386.676.3244 fax
OrmondArtMuseum.org

Lauren Dye
President

Allison Miller
Vice President

Jessica Scott
Treasurer

Melissa Frankel
Secretary

Audrey Butler
Imm Past President

Oscar Carbonell
Skip Dailey
Siobhan Daly
Roosevelt Harris
Karen Holmay
Nancy Munier
Tammy Navarra
Alicia Scott
Dr. Philip Shapiro
Nancy Suah
Stacy Cunningham Welch
Chris Wickersham
Shea Davis Williams

Stephanie Mason-Teague
Executive Director

OMAM funded in part by
The City of Ormond Beach
The County of Volusia
The State of Florida

May 15, 2025

Joyce Shanahan, City Manager
Robert Carolin, Parks & Recreation Director
City of Ormond Beach, Florida

Dear Mrs. Shanahan and Mr. Carolin,

In May 2025 we celebrate three years since our grand re-opening! It has been an incredible three years as we have increased community participation and engagement year over year. We could not be more pleased with our partnership with the city of Ormond Beach and would like to formally request the continuation of our annual agreement for services for the 2025-2026 year, with no conditional or financial changes to the approved agreement currently in effect through September 30, 2025.

This month OMAM's partnership with the city will be highlighted with the addition of self-guided audio tours and educational wayfinding signage in the gardens. This project, two years in the making, was made possible through a financial grant from the Daytona Beach Racing and Recreational Facilities District and the pledge of support from the City of Ormond Beach Parks and Recreation.

Another milestone for the museum was reached this month when OMAM accessioned 34 pieces of artwork into our permanent collection. The pieces are graphic, modular art panels created by artist Dr. John Wilton. The collection is perfectly suited for the unique stairwell gallery. Although OMAM has not officially changed our designation from a non-collecting to a collecting museum, this accession was one of several recommendations made in the Museum Assessment Report generated the by the American Alliance of Museums.

This year the OMAM Board of Directors created a five-year strategic plan that has identified five strategic goals that align with our mission and will drive everything we do.

| | |
|---|---|
| **Venue & Visitor Experience** | Goal 1<br>Provide superior visitor experiences through engaging and relevant exhibitions, gardens and facilities. |
| **Financial Stewardship and Strength** | Goal 2<br>Enhance financial resources to ensure sustainability and growth to advance our mission. |
| **Programming** | Goal 3<br>Offer diverse and unique opportunities that encourage, inspire and engage audiences through art and nature with an additional focus on Veterans. |
| **Outreach and Awareness** | Goal 4<br>Build awareness by strengthening strategic partnerships and collaborations and positioning OMAM as a cultural leader in Ormond Beach. |
| **Organizational Excellence** | Goal 5<br>Ensure excellence through a commitment to our mission, best practices and industry standards. |

An annual business plan was created with specific benchmarks and goals for this year. Both plans are attached for your reference. We are happy to report that we have already achieved many of our annual goals and as reflected in the attached P&L we on target to reach our financial goals as well.

We are proud to be a part of our thriving Ormond Beach community and appreciative of our partnership with the city.

Please contact me by phone at 386-871-7873 or email at smt@ormondartmuseum.org if you have any questions or would like to discuss the museum or our request.

Thank you,

Stephanie

Stephanie Mason-Teague
Executive Director

Enclosures:
Strategic Plan 2025-2030
Annual Business Plan 2024-2025
Profit and Loss October 1, 2024 – March 31, 2025
Certificate of Insurance

| | A | B |
|---|---|---|
| 1 | **ORMOND MEMORIAL ART MUSEUM** | **Oct '24 - Mar 25** |
| 2 | Ordinary Income/Expense-As of 3/31/2025 | |
| 3 | **Income** | |
| 4 | **Contributions** | |
| 5 | 4730 · Exhibition & Program Sponsor | $61,175.00 |
| 6 | 4310 · Foundation Contributions | $4,500.00 |
| 7 | Fundraising | |
| 8 | 4031 · Annual Dinner and Report | $1,480.00 |
| 9 | 4030 · Fall Fundraiser | $21,714.40 |
| 10 | 4056 · Annual Appeal | $2,945.89 |
| 11 | 4770 · Art in the Garden | |
| 12 | 4772 · Annual Sponsor Tables | $27,100.00 |
| 13 | 4773 · Ticket | $14,100.00 |
| 14 | Art in the Garden Donations | $2,938.83 |
| 15 | 4770 · Art in the Garden - Other | $5,000.00 |
| 16 | Total 4770 · Art in the Garden | $49,138.83 |
| 17 | 4790 · Art in the Park | $8,388.00 |
| 18 | Total Fundraising | $83,667.12 |
| 19 | 4791 · Garden Contributions | $35.00 |
| 20 | 4793 · Individual Contributions | $6,885.90 |
| 21 | Total Contributions | $156,263.02 |
| 22 | Grants | |
| 23 | City of Ormond Beach Grant | $18,787.50 |
| 24 | County Grant | $17,257.00 |
| 25 | Other Private Grants | $10,000.00 |
| 26 | Total Grants | $46,044.50 |
| 27 | Revenue | |
| 28 | 4001 · Museum Socials and Events | $2,975.00 |
| 29 | 4081 · Guild Membership | $427.29 |
| 30 | 4050 · Group Tours | |
| 31 | 4051 · Museum Group Tours | $100.50 |
| 32 | 4052 · Garden Group Tours | $94.50 |
| 33 | Total 4050 · Group Tours | $195.00 |
| 34 | 4000 · Adult Tuition | $7,727.00 |
| 35 | 4020 · Youth Tuition | $1,352.00 |
| 36 | 4040 · Summer Camp | $14,835.00 |
| 37 | 4060 · Admission Donations | $7,959.17 |
| 38 | 4080 · Membership | $28,515.00 |
| 39 | 4300 · Fraser Trust Income | $2,646.50 |
| 40 | Total Revenue | $66,631.96 |
| 41 | Sales | |
| 42 | 4070 · Facility Rental Sales | $19,968.00 |
| 43 | Bar Sales | |
| 44 | Tips Income | $0.00 |
| 45 | Bar Sales - Other | $8,350.51 |
| 46 | Total Bar Sales | $8,350.51 |
| 47 | Art Sales | $700.00 |
| 48 | Gift Shop Sales | $15,639.62 |
| 49 | Total Sales | $44,658.13 |
| 50 | Total Income | $313,597.61 |
| 51 | Cost of Goods Sold | |
| 52 | Cost of Goods Sold | |
| 53 | Bar Inventory | $2,196.37 |
| 54 | Gift Shop Inventory | $8,046.56 |
| 55 | Total Cost of Goods Sold | $10,242.93 |
| 56 | Total COGS | $10,242.93 |
| 57 | Gross Profit | $303,354.68 |

| | A | B |
|---|---|---|
| 58 | **Expense** | |
| 59 | Administrative | |
| 60 | Museum Socials and Events | $1,831.77 |
| 61 | Facility Rental Expense | $3,008.01 |
| 62 | Gift Shop Supplies | $189.82 |
| 63 | Bar Supplies | $80.86 |
| 64 | Guild Expense | $1,300.00 |
| 65 | Advertising/Mkt/Newsletter | $4,654.60 |
| 66 | Dues & Subscriptions | $6,239.30 |
| 67 | Insurance | |
| 68 | Liability | $874.66 |
| 69 | Workers Comp | $445.43 |
| 70 | Total Insurance | $1,320.09 |
| 71 | Professional Develoment | $984.30 |
| 72 | Taxes & Licenses | $195.00 |
| 73 | Total Administrative | $19,803.75 |
| 74 | Fundraising | |
| 75 | Fall Fundraiser | $878.05 |
| 76 | Annual Dinner and Report | $1,911.28 |
| 77 | Annual Appeal Expenses | $607.00 |
| 78 | Art in the Garden | $13,257.24 |
| 79 | Donor and Member  Appreciation | $481.75 |
| 80 | Total Fundraising | $17,135.32 |
| 81 | Gen & Admin Bldg Utils & Maint | |
| 82 | Garden | $2,266.86 |
| 83 | City Utilities | $610.35 |
| 84 | FPL | $7,157.35 |
| 85 | Janitorial | $777.24 |
| 86 | Maintenance & Supplies | $666.03 |
| 87 | Phone | $686.26 |
| 88 | Security System | $414.00 |
| 89 | Total Gen & Admin Bldg Utils & Maint | $12,578.09 |
| 90 | Office Expenses | |
| 91 | Office Equipment | -$662.55 |
| 92 | Office Supplies | $1,569.05 |
| 93 | Online Svcs/Software/Website | $3,917.56 |
| 94 | Postage | $2,030.38 |
| 95 | Office Expenses - Other | $136.77 |
| 96 | Total Office Expenses | $6,991.21 |
| 97 | Outside Fees | |
| 98 | Neon Online fees | $2,160.91 |
| 99 | Stripe Online Fees | $1,351.82 |
| 100 | Artistic Contractors | $6,554.00 |
| 101 | Bank Charges | $0.00 |
| 102 | Bookkeeping | $3,421.00 |
| 103 | Merchant fees | $1,433.73 |
| 104 | Other Professional Support | $4,887.00 |
| 105 | Total Outside Fees | $19,808.46 |
| 106 | Over/short | $25.00 |
| 107 | Program Services | |
| 108 | Volunteers | $126.31 |
| 109 | Art of Healing | $2,475.88 |
| 110 | VA Program | $3,316.34 |
| 111 | Family Art Night | $1,287.15 |
| 112 | Educational Supplies | |
| 113 | Youth Tuition Expense | $407.30 |
| 114 | Adult Tuition Expense | $238.70 |

| | A | B |
|---|---|---|
| 115 | Educational Supplies - Other | $28.72 |
| 116 | Total Educational Supplies | $674.72 |
| 117 | Exhibition Hard Costs | $1,380.40 |
| 118 | Exhibition Reception Costs | $819.42 |
| 119 | Program Services - Other | $1,189.01 |
| 120 | Total Program Services | $11,269.23 |
| 121 | Salaries, Wages & Benefits | |
| 122 | Employee Incentives | $1,624.27 |
| 123 | Direct Deposit Fee | $517.00 |
| 124 | Payroll Taxes | |
| 125 | FL Unemployment | $58.25 |
| 126 | Medicare | $2,389.10 |
| 127 | Social Security | $10,215.39 |
| 128 | Total Payroll Taxes | $12,662.74 |
| 129 | Salaries - Administrative | $103,676.09 |
| 130 | Salaries - Artistic | $59,463.73 |
| 131 | Total Salaries, Wages & Benefits | $177,943.83 |
| 132 | uncategorized | -$12,500.00 |
| 133 | Total Expense | $253,054.89 |
| 134 | **Net Ordinary Income** | **$50,299.79** |

78 E. Granada Blvd.
Ormond Beach, FL
32176
www.ormondartmuseum.org

Ormond Memorial Art Museum & Gardens
HONORING OUR VETERANS

# STRATEGIC PLAN 2025-2030

**Approved: September 10, 2024**

| Mission | Vision | Strategic goals |
|---|---|---|
| Inspiring our community through art and nature while honoring those who fought for freedom. | Position OMAM as a cultural leader, to facilitate a connected community through engaging and diverse exhibitions and activities and leverage strategic partnerships to provide resources for families, veterans and lifelong learners. | OMAM has identified five strategic goals that align with our mission and will drive everything we do.<br><br>**Core Values**<br>Creativity<br>Community<br>Quality<br>Inspiration |

# PLANNING PROCESS

| | |
|---|---|
| **Phase 1: Planning** | Began in 2022 with recommendations from the MAP assessment report from the AAM. Interviews were conducted with community members, past and present board members, museum members and class participants and city leadership. |
| **Phase 2: Process** | The Strategic Planning committee led a workshop with the full board and created the core values statements, and discussed their vision for the future. The Museum Director then prepared this draft. |
| **Phase 3: Approval** | After review by the Strategic Planning Committee, the plan will be presented to the full BOD for approval and adoption. **Approved by the BOD – September 10, 2024.** |

# STRATEGIC GOALS 2025-2030

| | |
|---|---|
| **Venue & Visitor Experience** | Goal 1<br>Provide superior visitor experiences through engaging and relevant exhibitions, gardens and facilities. |
| **Financial Stewardship and Strength** | Goal 2<br>Enhance financial resources to ensure sustainability and growth to advance our mission. |
| **Programming** | Goal 3<br>Offer diverse and unique opportunities that encourage, inspire and engage audiences through art and nature with an additional focus on Veterans. |
| **Outreach and Awareness** | Goal 4<br>Build awareness by strengthening strategic partnerships and collaborations and positioning OMAM as a cultural leader in Ormond Beach. |
| **Organizational Excellence** | Goal 5<br>Ensure excellence through a commitment to our mission, best practices and industry standards. |

# Venue and Visitor Experience:

Goal 1

Provide superior visitor experiences through engaging and relevant exhibitions, gardens and facilities.

OBJECTIVE A:  EXHIBITIONS - Increase the diversity and artistic scope of gallery exhibitions.

Tasks & Activities:

- Better engage the Exhibition Committee and local artists.
- Secure and feature groundbreaking national exhibitions and collections.
- Develop collection management policies to protect our collection(s) and share them with an increasing number of visitors.
- Determine stairwell gallery exhibition status: Accession or loan.
- Create Fraser collection catalog to monitor care, maintenance, and repairs.
- Grow docent tour offerings.

OBJECTIVE B: GARDENS – Develop and enhance garden tours, programs and amenities.

Tasks & Activities:

- Improve accessibility and educational offerings with interactive signage, self-guided tours.
- Grow docent tour offerings.
- Enhance the turtle sanctuary (large pond) with feeding station and educational signage.
- Engage youth with “virtual” turtle adoptions.
- Develop butterfly observation and educational zones within the gardens.
- Consider an enclosed butterfly garden feature within our existing gardens.
- Begin discussion of gardener succession planning.
- Consider garden apprentice to create working garden care manual.

OBJECTIVE C: FACILITIES – Customer service and private event rentals.

Tasks & Activities:

- Maximize rentals of OMAM spaces for a variety of events.
- Develop key relationships with vendors and purchase items frequently used to limit outsourcing.
- Implement customer service training for staff and volunteers.
- Conduct regular visitor and participant surveys to measure satisfaction.

# Financial Stewardship and Strength:

Goal 2

Enhance financial resources to ensure sustainability and growth to advance our mission.

OBJECTIVE A: STAFFING AND BOARD OF DIRECTORS – Ensure a workforce with appropriate skills and training that are dedicated to best practices and standards.

Tasks & Activities:

- Recruit and retain professional, qualified, and engaged staff, Board of Directors, and volunteers dedicated to the fulfillment of the OMAM mission.
- Leverage board members to support fundraising and awareness efforts.
- Assess financial controls and compliance measures, ensuring exemplary budget management.

OBJECTIVE B:  – CONTRIBUTED INCOME – Grow revenue opportunities and the OMAM endowment and investment initiatives while reducing the reliance on government grants.

Tasks & Activities:

- Strive to reach a contributed income level of 60% of operating funds annually.
- Reinvigorate the annual Art in the Garden fundraiser and add a second event in the fall.
- Leverage BOD member relationships to increase annual exhibition and program sponsors.
- Develop a planned giving program with the goal of adding $100,000 to endowment funds annually.

OBJECTIVE C: - EARNED INCOME - Develop Museum membership and educational programs as well as venue rental and gift shop offerings.

Tasks & Activities:

- Reinforce new branding and increase marketing and advertising to reach new audiences.
- Develop educational offerings to include new mediums and art and wellness programs.
- Implement facilities enhancements to expand and fine tune venue rental income.
- Utilize OMAM guild to manage and expand gift shop merchandise and sales.
- Introduce memorial tile and brick sales initiatives.
- Strive to reach and maintain earned revenue of 40% of operating funds annually.

# Programming:

Goal 3

Offer diverse and unique opportunities that encourage, inspire and engage audiences through art and nature with an additional focus on Veterans.

OBJECTIVE A: EDUCATIONAL PROGRAMS – Enhance programs for youth and adults and consider the needs of special populations. Youth programs will utilize the Florida state Sunshine Standards for art education

Tasks & Activities:

- Utilize artistic contractors to provide opportunities for varied skill levels and across multiple mediums.
- Incorporate ceramics classes and perfect kiln operations.
- Enrich monthly Art of Healing program and develop additional arts and wellness programs.
- Complete educational, interactive garden wayfinding signage that incorporates tactile features for sight impaired and early learning guests.
- Establish a relationship with Center for Autism and Related Disorders (CARD).
- Develop tuition-based classes for after-hours and weekends to reach a wider audience.
- Enhance garden programs with a focus on the conservation and care of the flora and fauna and the biology and habitat of our turtles and butterflies.
- Upgrade the design and functionality of the gazebo labyrinth.

OBJECTIVE B: VETERANS PROGRAMS – Develop programs to connect, engage, and honor US Veterans.

Tasks & Activities:

- Leverage connections with local Veterans organizations to grow participation.
- Develop monthly Veterans Creative Workshops.
- Identify guest teachers to magnify the quarterly Lunch and Learn program.

OBJECTIVE C: SIGNATURE PROGRAMS – Continue to offer the programs our community has grown to love and add new engagement opportunities.

Tasks & Activities:

- Boost Free Family Art night by featuring a family each month in a press release.
- Enhance quarterly member socials to engage and grow our membership base.
- Leverage partnerships to augment annual Starry, Starry Night and Art in the Park.
- Lead the effort to celebrate and honor veterans with the annual Veteran’s Day tribute.
- Enrich monthly Art Walk participation with inspiring pop-up exhibitions.
- Grow visiting artists talks and workshop offerings.

# Outreach and Awareness

Goal 4

Build awareness by strengthening strategic partnerships and collaborations and positioning OMAM as a cultural leader in Ormond Beach.

OBJECTIVE A: STRATEGIC PARTNERSHIPS – Develop private and public partnerships to advance the Museum's mission.

Tasks & Activities:

- Strengthen the relationship with the city of Ormond Beach and new staff members.
- Grow collaboration with the Early Learning Coalition to develop the Pavilion area as a dedicated early learning space and strengthen the quarterly Little Artists Workshop.
- Develop the relationship with the Division of Blind Services to serve and support their residents and record garden wayfinding information for placement on the OMAM website.
- Grow the relationship with the Center for Autism and Related Disorders (CARD).
- Enhance community partnerships benefiting from the OMAM art kit program.

OBJECTIVE B: VETERAN'S OUTREACH – Strengthen ongoing dialogue with Veterans and Veteran organizations on the best way to serve their needs and tell their stories.

Tasks & Activities:

- Conduct grassroots networking and relationship building with local Veteran's organizations.
- Participate as an exhibitor at Veteran's events.
- Secure speaking opportunities at Veteran's organizations.
- Distribute Veterans program flyers throughout the community.

OBJECTIVE C: MARKETING AND MEDIA RELATIONS – Utilize a paid and grassroots strategy to increase attendance, participation, group tours, event rentals and membership.

Tasks & Activities:

- Leverage Google analytics and advertising to reach a new audience.
- Continue and fine tune a robust social media presence.
- Identify print advertising opportunities and develop an advertising campaign.
- Develop relationships with schools and organizations seeking group tours.
- Engage with local radio and TV for PSA placement.
- Budget advertising support for other community non-profit organizations.
- Seek public speaking opportunities to share OMAM's story.
- Leverage BOD relationships to conduct annual new member drive annually.
- Grow relationships with Visit Florida and the Convention and Visitors Bureau.

# Organizational Excellence

Goal 5

Ensure excellence through a commitment to our mission, best practices and industry standards.

OBJECTIVE A: BEST PRACTICES – Identify and develop best practices for leading nonprofit organizations with a commitment to a pledge of excellence.

Tasks & Activities:

- Create BOD operating plan with committee benchmarks and annual work plans.
- Establish an OMAM guild

OBJECTIVE B: CORE DOCUMENTS – Develop and evaluate organizational core documents as recommended by the American Alliance of Museum.

Tasks & Activities:

- Adopt 5-year strategic plan with implementation milestones.
- Create and approve a Disaster Preparedness and Emergency Response Plan.
- Create and approve a Collections Management Policy.
- Establish institutional code of ethics.

OBJECTIVE C: MUSEUM ACCREDITATION – Discuss and evaluate seeking accreditation.

Tasks & Activities:

- Regularly consider pursuing accreditations with the American Alliance of Museums.
- Develop core documents that are consistent with the level necessary for accreditation.




# Annual Business

# Plan

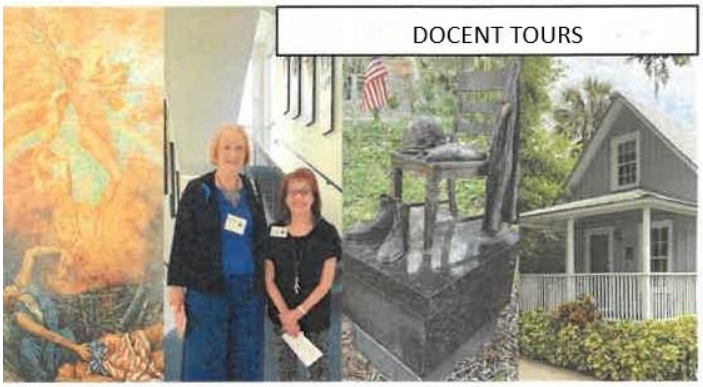
***October 1,2024***

***Sept. 30, 2025***













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7. Operating Budget……..18

# 1. EXECUTIVE SUMMARY

- **Opportunity:**. Serve the residents and visitors to Ormond Beach by providing superior art and nature experiences and diverse and unique programs while ensuring financial stewardship, strength and organizational excellence.

- **Mission Statement**

  Inspiring our community through art and nature while honoring those who fought for freedom.

- **Vision Statement**

  Position OMAM as a cultural leader, to facilitate a connected community through engaging and diverse exhibitions and activities and leverage strategic partnerships to provide resources for families, veterans and lifelong learners.

- **Core Values**

  **Creativity** – We will be true to our role as an artistic center for Ormond Beach

  **Community** – We will create opportunities and listen to the needs of our community

  **Quality** – We will provide programs and events befitting the stature of our Museum

  **Inspiring** – We will engage our community through Art and Nature

- **Solution:** Engage our community through fine art exhibitions, wellness and art therapy initiatives and a varied intergenerational educational programs in visual arts and environmental awareness. Our goal is to increase both earned and contributed income and continue to nurture future generations of art and nature lovers while honoring freedom. Earned revenue will be generated through tuition-based programs, membership dues, the rental of non-exhibiting spaces and increased gift shop activities. Contributed revenue will come from fundraising efforts and be increased through the growth of the annual Exhibition and Program Sponsors opportunity as well as the OMAM Endowment campaign.

# 2. MUSEUM OVERVIEW & HISTORY

## 78 years old and still vibrant: 1946 – 2024

Just as WWII came to an end, one artist with a vision and the people of Ormond Beach worked together to create something magical. Artist Malcolm Fraser offered a collection of his life's work to any town along the east coast that would create an art museum that paid tribute to veterans. Ormond Beach and her residents rose to the occasion and worked together to create a living monument to the creative freedom and equality of all people, and to commemorate the service of World War I and World War II veterans who fought valiantly for that ideal. The Ormond War Memorial Gallery opened its doors in 1946. In 1963, the name was changed to the Ormond Memorial Art Museum, and has been registered and operated as a 501 ( C)(3) non-profit arts organization continuously since that time.

In May 2022, the museum reopened to the public after an 18 month, four-million-dollar renovation. The renovation was paid for in full through fundraising efforts by the Capital Campaign Committee of the Museum and funds from the Volusia County ECHO program. The renovated facility features 30% more exhibition space and double the previous educational classroom space. Administrative offices were moved to the second floor that also includes a 40-person multipurpose boardroom complete with smart technology. The two-story building is topped with a rooftop terrace overlooking 2.5 acres of lush garden oasis with a gazebo, labyrinth and the Emmons Cottage, an 1885 historic Florida Cracker cottage. In late fall of 2022, a magical new garden feature was installed, a Free Little Art Gallery. Visitors are encouraged to create and share a small piece of art. The Monaco Garden Cottage, a garden style storage cottage was added in the spring of 2023 for use by the master gardener to facilitate her efforts to care for the gardens. The entire design plan was created to have as little impact on the gardens as possible.

Along the garden's main path is a stainless-steel memorial piece to honor Korean War Veterans. Created by artist Mark Chew and dedicated in 2010. A second memorial piece, a bronze and granite sculpture by artist Gregory Johnson honoring veterans of the Vietnam War was dedicated in 2011. Additional plaques honoring veterans from WWI and WWII are inside the Museum building.

Visitors are welcomed to the new building by larger-than-life illuminated butterflies. An installation designed and installed by artist Matthew Placzek in 2022. A kaleidoscope of butterflies is installed on the south facing wall and another on the east facing exterior wall of the Museum building.

Relocated five feet from the original location is our beloved peacock fountain. The bronze peacocks were made by sculptor Mary Aldrich Fraser in memory of her husband, Malcolm Fraser. The memorial was unveiled on March 5, 1950. Prior to re-installation after the short move in 2022, the birds had a patina face-lift.

One of our most popular events, ***Art in the Garden*** has become to be known as “The best party of the spring”. This annual Board of Directors led fundraiser provides nearly 20% of the Museum’s operating funds. Annually In April the Museum parking lot is transformed into a magical destination for dinner and live music for more than 300 guests. Through a partnership with AdventHealth and an all-volunteer board, over 80% of the funds raised go directly to support the Museum. A second fundraiser is planned annually in the fall.

OMAM has a partnership arrangement with the city of Ormond Beach dating back 74 years to our founding in 1946. The city owns the building and land and OMAM operates the non-profit Museum and Botanical Gardens. The city has granted OMAM a fifty-year rent-free lease. The Museum work cooperatively with the city to maintain the building and grounds to the highest standards while still retaining our unique “quaint charm”.

Museum admission is free to members and veterans with a suggested donation of $2 per person for others. The Malcolm Fraser collection, the collection owned by the Museum, will stay in continuous exhibition. OMAM has added additional staff and contracted with new teachers and partners to facilitate community demand.

# 3. MUSEUM & GARDEN PROGRAMS

OMAM strives to offer relevant and vibrant programs to our community with a focus on three distinct areas:

**EXHIBITIONS:**

Each year through the collaboration of OMAM curatorial staff and a professional advisory committee, six to eight rotating exhibits are displayed in the four main galleries. Each exhibition includes a free public opening reception and often includes gallery talks with participating artists.

The increased gallery space in the newly renovated museum includes the opportunity to continue the Pop-Up style exhibits that have become a community favorite. Pop-up exhibits are scheduled monthly to coincide with the community Art Walk. Pop-Up exhibits offer emerging artists the opportunity to exhibit their works.

While the museum strives to showcase a variety of original works and mediums, pieces from the Malcolm Fraser collection are always on display.

**EDUCATION:**

Educational programing at the museum includes classes and workshops for adults and children in our classroom and in our gardens. Class curriculum includes fine arts, crafts, wellness, and environmental learning opportunities. This year new ceramics classes will be added. OMAM educators and interdisciplinary professionals work together to provide quality and unique learning opportunities. OMAM is proud to offer youth scholarships to students in need through a gift from artists Nina Masters and Pamela Bleakney. Veteran scholarships are offered to Veterans and are sponsored in part by the Farmer Family Trust.

**OUTREACH / PUBLIC PROGRAMS:**

**Adult programs**: The ability to serve our community “where they are” has been an important aspect of OMAM outreach programs. Through partnerships with the VA wellness center and other veterans’ organizations, OMAM offers onsite and offsite classes for veterans. One of our most popular wellness and art programs “Art of Healing” is offered free of charge to anyone in a medical situation, their family members, or caregivers.

**Youth programs**: On the first Friday of every month, OMAM offers a community Free Family Art Night in our classroom. This intergenerational art program is often filled and a wonderful opportunity to share the entire museum with members of our community that may have never seen an art exhibition. Tuition-based youth programs include S.O.F.A – Schools Out For Art, and Little Artists Workshop for pre-school age children. This year two new programs, Little Notes & Narratives (ages 3-5) and Art Wave (ages 10-14) have been added as well as an additional week of summer camp. Seven weeks of summer camp (ages 6-13) is the highlight of the summer.

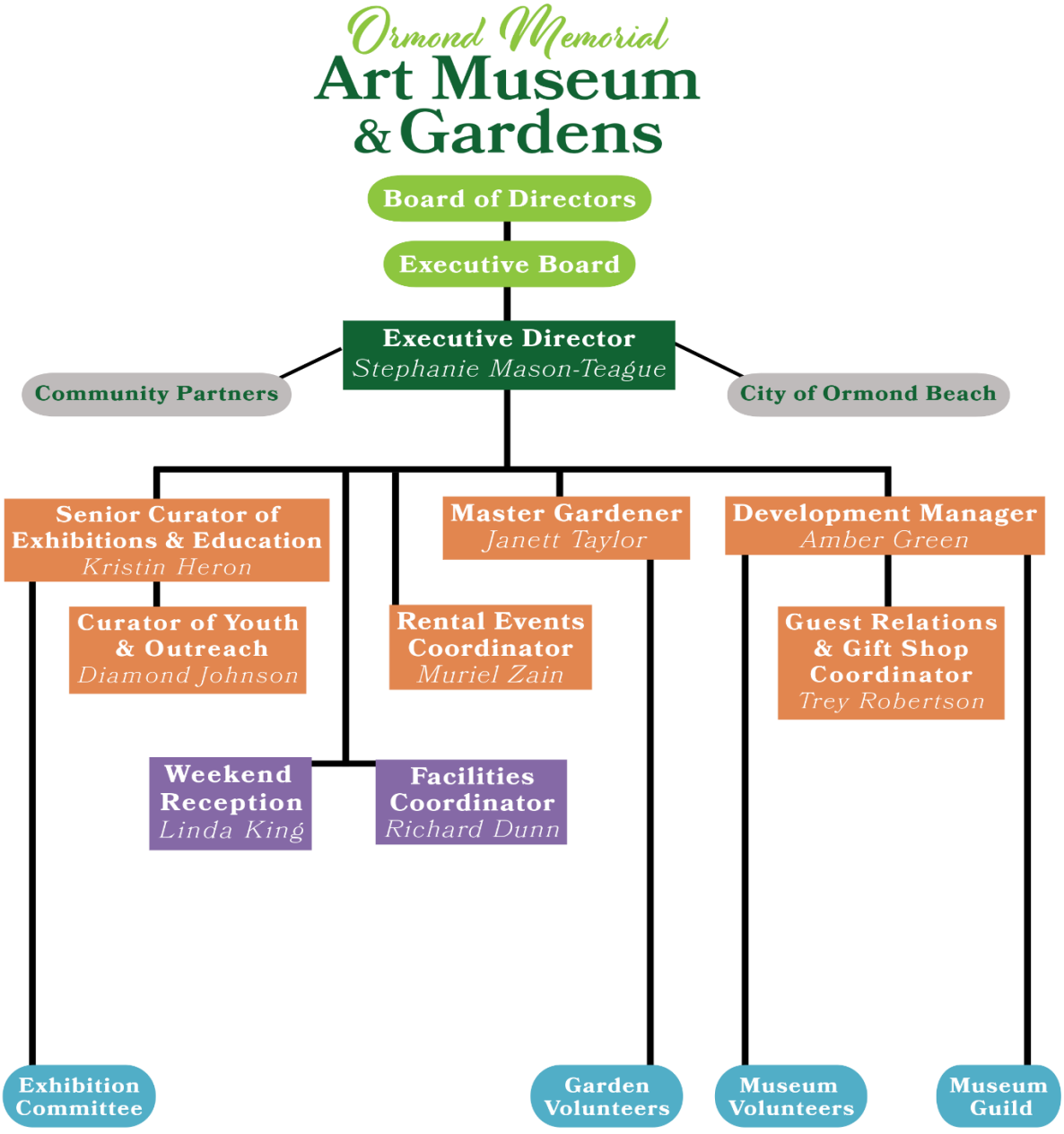
**Garden Programs:** OMAM's full-time professional gardener provides garden tours for youth and adult groups. Tours include a "seek and find" of points of interest in the garden with stops at the waterfall and one of three turtle ponds. The garden gazebo hosts yoga and wellness classes, as well as lectures and horticultural programs. While in the gardens, individuals can reflect along the labyrinth path in the garden gazebo and create or take a piece of art from the Free Little Art Gallery. Interactive garden maps are available on-line and at the reception desk.

**Starry, Starry, Night.** Presented annually in partnership with the Casements Cultural Center and the Ormond Beach Historical Society. Celebrating 34 years in January 2024, the evening boasts a gallery stroll under the stars. Each venue presents an exhibition and often includes live music, food, and beverages.

**Art in the Park.** Presented annually in partnership with the City of Ormond Beach. Celebrating 50 years in May of 2024, the festival attracts over 100 fine arts and crafts vendors and 3,000 visitors to the banks of the Halifax River in Rockefeller Gardens. Art in the Park is a juried show with prizes and awards totaling $3,500.

**Veterans Programs.** Several programs are offered exclusively for Veterans including the monthly Creative Expressions Workshop and the quarterly Lunch & Learn that includes an exhibition and garden tour. **Annual Veterans Day Tribute. 11/11 at 11am.** On the eleventh day of the eleventh month at eleven in the morning, OMAM invites the community to gather and honor veterans. This free community program includes dignitaries from local and state government and guest speakers from all branches of the military. Community partners help to create a meaningful and inspirational event with live music and refreshments.

# 4. ADMINISTRATIVE PERSONNELL



## 2024-2025 Executive Committee

- Lauren Dye — Ormond Beach, President
- Allison Miller — Ormond Beach, Vice President
- Jessica Scott — Ormond Beach, Treasurer
- Melissa Frankel — Ormond Beach, Secretary
- Audrey Butler — Ormond Beach, Past President

## 2024-2025 Board of Directors

- Oscar Carbonnell, MD — Ormond Beach
- Stacy Cunningham Welch — Daytona Beach
- Herbert “Skip” Dailey — Ormond Beach
- Siobhan Daly — Ormond Beach
- Shae Davis Williams — Ormond Beach
- Amanda Frick — Ormond Beach
- Roosevelt Harris — Ormond Beach
- Karen Holmay — Ormond Beach
- Nancy Munier — Ormond Beach
- Tammy Navarra — Ormond Beach

## 2024-2025 Board of Directors Continued

- Alicia Scott — Ormond Beach
- Dr. Philip Shapiro — Ormond Beach
- Nancy Suah — Ormond Beach
- Chirs Wickersham — Daytona Beach

## Key Administrative Personnel:

**Stephanie Mason-Teague, Executive Director** – paid full time.

Stephanie has been a long-time Volusia County resident with a professional background of more than 20 years in non-profit management. Experience includes Director of Operations and Director of Development for the Museum of Arts and Sciences, Executive Director of the Daytona Beach Film Festival and founding Director of the Cinematique of Daytona Art House Cinema. She earned her BA from the University of Central Florida and is a past member of the Cultural Council of Volusia County and is a current member of the Volusia County ECHO Advisory committee. Stephanie is responsible for the day-to-day operations of the Museum, personnel hiring, development, fundraising, organizational planning, budgeting, grant writing, and gift shop and rental event management.

**Amber Green, Development Manager** – paid full time.

Amber is a Daytona Beach native who has a passion for telling stories. Experience includes Web Designer with the Daytona Beach News-Journal, Media Specialist / Web Administrator with East Park Research, Digital Coordinator with Lohman Funeral Homes. Her past nonprofit experience includes serving as a board member and volunteer with Cinematique of Daytona. Amber is responsible for administering the annual fundraising plan for the Museum. She oversees the customer relationship management system including membership coordination, sponsorship coordination, gift processing, and tuition-based programs and fundraising / auction platforms. She also manages the Museum's website.

***Treyvon Robertson – Guest Relations & Gift Shop Coordinator*** *– paid full time.*

Trey is responsible for managing guests' experiences, greeting guests as they arrive, and ensuring they have a pleasant experience. He is often the first point of contact and is talented with making guests feel comfortable. Responsibilities include overseeing the daily operations of the telephones and deliveries as well as the Museum gift shop. Trey works closely with the Development Manager. Treyvon has an AA from Daytona State College.

**Muriel Zain – Rental Events Coordinator** – paid full time.

Muriel is an experienced hospitality professional with a proven track record at high paced local establishments including Zen Bistro, Wild Rabbit, and Barnes and Noble. A graduate of Daytona State College, she is also a Volusia County Master Gardener. Muriel is responsible for coordinating the sales, planning and execution of facility rentals, and assists with Museum socials and events. Muriel has an AS from Daytona State College.

**Richard Dunn – Facilities Coordinator** – paid part time.

Richard has decades of experience in janitorial and facilities maintenance. Locally with Berns Supply and Pictona in Holly Hill. He is responsible for maintaining a clean facility, preventative maintenance of Museum systems and assisting in the gardens and with rental events as needed.

## Key Program/ Artistic Personnel:

**Janett Taylor, Garden Artisan** – paid full time.

Janett has cultivated and cared for the Memorial Gardens adjacent to the Museum since 1980, first as a full-time employee of the City of Ormond Beach and then in October of 2008, she joined the Museum staff to continue to oversee the care of the gardens and to assist in cultivating OMAM's environmental art education programs. Recipient of the Garden Club of America Significant Contribution to Horticulture through the Garden Club of the Halifax Country, 2001. And in 2005 received a Lifetime Achievement award from the Citizens of Ormond Beach.

**Kristin Heron, Senior Curator of Exhibitions and Education** - paid full time.

Kristin joined the Museum staff in June of 2014. As Senior Curator of Exhibitions she is responsible for working with the Exhibition Committee to select and maintain a master exhibition schedule of owned collections and rotating exhibitions. She manages all logistics related to exhibition planning and installation. As Curator of Education, she oversees all educational programs and supervision of the Curator of Youth Programs and Outreach. She works closely with teachers and artists to implement a unique schedule of classes and workshops that showcase a variety of artistic expertise. She has a BA in Studio Art & Music from Rollins College, and her professional background includes exhibiting as a visual artist and teaching in a wide variety of settings.

**Diamond Johnson, Curator of Youth Programs & Outreach –** paid full time.

Diamond has a passion for bringing the community together with art and nature. Experience includes Art Consultant, Gallery 500, Art Educator, Stetson Baptist Christian School, VPK Facilitator, Wadsworth Elementary. She has a BA in Latin American Studies from the University of Central Florida and an AA in Fine Arts from Daytona State College. Diamond is responsible for developing and leading youth programs, Veterans programs and adult outreach programs for the museum.

**Linda King,** Weekend Reception and Educational Programs Instructor – paid part time

Linda holds a B.F.A. from Carnegie-Mellon University, Pittsburgh, PA in Graphic Design. She is a certified art teacher and has worked for OMAM as a weekend staff member and children's studio art teacher since July of 1998. Ms. King facilitates Free Family Art Night and other youth and adult classes.

- In August 2024, The Museum Director led a workshop with the staff generating a SOAR analysis prompted by the following questions and producing the results below:

1. **STRENGTHS**: Where are we now, and what can we build on? What makes us proud, unique and serves our mission?
2. **OPPORTUNITIES**: Where do we want to be? Where should we focus our efforts? Do we need new skills or tools, more stakeholders & members, to reframe challenges?
3. **ASPIRATIONS**: How will we get there? What are we deeply passionate about? Most compelling, programs that support this, what we do best.
4. **RESULTS:** How do we know if we are succeeding? Meaningful measures? Are more resources needed?

### STRENGTHS

- Team Synergy
- Exhibitions & Programs
- Gardens & Turtles
- Building / Location
- FFAN
- Fraser Collection
- Rooftop Events
- Museums 4 All

### OPPORTUNITIES

- Community Sponsorships
- Endowment Funding
- Diversity of Programming
- Wellness initiatives
- Digital presence
- Evenings & Weekend Programs
- Shared History
- Loss of Grant Funds
- Economic Challenges




### ASPIRATIONS

- Community Engagement
- Exceptional Exhibitions
- Customer Service
- Garden Tours and Signage
- Turtles and Butterflies
- Early Learning Programs
- Veterans Programs
- Museum Guild

### RESULTS

- Meeting Financial Goals
- Testimonials
- Membership Growth
- Tuition Growth
- Increased donations
- New Partnerships
- Rack Card Distribution
- Survey Kiosk
- Visitor Identifiers

# 5. OPERATING PLAN

The annual operating plan will quantify the strategic goals outlined in the 2025-2030 Strategic Plan and include the five areas of:

**Venue & visitor Experience**: Provide superior visitor experience through engaging and relevant exhibitions, gardens and facilities.

**Financial Stewardship and Strength**: Enhance financial resources to ensure sustainability and growth to advance our mission.

**Programming**: Offer diverse and unique opportunities that encourage, inspire and engage audiences through art and nature with an additional focus on Veterans.

**Outreach and Awareness**: Build awareness by strengthening strategic partnerships and collaborations and positioning OMAM as a cultural leader in Ormond Beach.

**Organizational Excellence**: Ensure excellence through commitment to our mission, best practices and industry standards.

**VENUE & VISITOR ACTIVITIES:**

- Select 8-10 main gallery exhibitions from submissions received. Release the call on Café and meet with the exhibition committee in January. Complete the FY 24-25 exhibition calendar by September 2024 – in advance of the new year.
- Schedule 10-12 Pop-Up exhibitions to coincide with the monthly community Art Walks. A call for submissions will be ongoing and posted on the OMAM website and collected through JotForm. OMAM Senior Curator will select the artists / exhibitions and coordinate the logistics.
- Create a catalog of the Malcolm Fraser Collection. The Senior Curator will coordinate this effort with the assistance of a qualified intern. The catalog will rank pieces in need of repair and the cost of the repairs.
- Consider stairwell gallery exhibition status.
- Install tactile garden signage by March 2025. Graphic design has been completed. A grant will be submitted to the Daytona Racing and Recreational Facilities for the cost of sign manufacturing ($10,000) The city of Ormond Beach will assist with installation.
- Interview for the contract position of Garden Apprentice. $10K has been budgeted for 10 hours per week.

- Develop the large pond “Turtle Sanctuary” to include feeding station with signage. A sponsor has expressed support for this initiative. Grow the symbolic turtle adoption program.

- Host members socials quarterly to engage our community and reach new audiences. Planned programs include, cake decorating, food and wine pairings, a Valentines Day wedding extravaganza! And celebration for Mother’s Day.

**FINANCIAL & OUTREACH ACTIVITIES:**

- Leverage BOD member relationships to increase annual exhibition and program sponsorship by $23,000 over last year (reach goal of $75,675). Begin solicitation of sponsors in October and communicate with sponsors at least three times per year.

- Identify new grants to offset the loss of the state grant. Confirm at a minimum of $7,400 in new funding.

- Reinvigorate the annual Art in the Garden fundraiser increasing attendance to 320 and gross income to $115,500.

- Raise $12,000 gross income with the new Gallery of Trees fall fundraising event.

- Add a “donate now” QR code in the gardens to track attendance and increase donations when the museum is not open.

  Grow the Museum membership revenue to $48,000 through increased engagement and transitioning to a digital membership card. The BOD will coordinate a new member drive in February. Staff will coordinate membership appreciation in March

  Utilize the Museum Guild to manage and expand gift shop sales to reach the goal of $30,00 in gross annual sales.

- Maximize outside rentals and bar sales with new venue packages. Utilize print advertising and social media boost to reach a larger potential renter audience and reach our goal of $43,300 in gross outside rentals and $18,000 in gross bar sales.

- Conduct grassroots relationship building with Veterans organizations to distribute OMAM rack cards and secure speaking opportunities to share our programs and increase participation.

- Grow our relationship with the Early Learning Coalition of Flagler and Volusia and solidify the presenting partnership of four Little Artists Workshops and three Little Notes and Narratives workshops. Continue the development of the dedicated early learning space in the OMAM Pavilion.

- Continue our relationship with the Family Renew Community by providing new families with an OMAM Art Kit.

- Establish a relationship with the Council on Aging and their Meals on Wheels Program to distribute OMAM Art Kits.

- Establish and grow our relationship with the Atlantic Center for the Arts and Monica Vidal, a licensed and trained art therapist, through the presentation of the wellness program Art it Through.

**PROGRAMMING & EXCELLENCE ACTIVITIES:**

- Continue the robust schedule of professional, diverse, engaging adult tuition-based classes to include 12 offerings per quarter (classes reduced in the summer) and reach our goal of $25,000 in adult tuition income. Offerings will include classes on Saturday afternoons and some evenings. New Classes will be offered in ceramics to utilize the kiln.

- Continue the successful youth art programs S.O.F.A – School's Out For Art on public school holidays, and Blooming Buddies held on spring break. Two new programs; Little Notes and Narratives and Youth Art Wave (monthly for ages 10-14) will be added in January and help us to reach our goal of $5,000 in youth-tuition income.

- Increase summer camp to seven weeks and reach our goal of $16,800 in tuition income.

- Enhance the popular Art of Healing program by including guest teachers and vocalists and musicians. Although a free program, wellness is a big part of our community service.

- Tuition-based classes in the garden will be offered four times per year. Twice in the fall and twice in the summer. Classes will vary between conservation and care of the flora and fauna of Florida and the biology and habitat of our turtles and butterflies.

OMAM is known for several signature programs that are beloved by our community. Most programming is free and open to the public. We will continue to offer:

- Monthly Art Walk pop-up exhibitions and quarterly live music social on the rooftop
- Monthly Free Family Art Night in the classroom
- Annual tribute to Veterans in November
- Annual Starry, Starry Night Gallery Stroll in January.
- Annual Art in the Park – Arts and Crafts Festival in May

Nature's Art Box – a partnership with the Garden Club of the Halifax Country. Local elementary students participate in an environmentally themed art project in the gardens led by club volunteers.

# 6. PR & MARKETING PLAN

The focus of the PR marketing and advertising plan will be to increase paid engagement with the Museum through increased sponsorship, membership, outside rental events, and tuition-based programs. OMAM will contract with Carter Creative for PR & marketing services and RBA Advertising for Google SEO and add management. Staff will coordinate social media.

- **Key messages:**

  At OMAM, we believe that art, culture, and education should be accessible to all who seek inspiration and knowledge. Membership supports this ideal and provides exclusive access to unique experiences.

  At OMAM we recognize the power of collaboration. Our Sponsorship Program is designed for businesses and individuals that share our commitment to inspiring creativity, education, and cultural enrichment in our community.

  At OMAM we believe in the power of art and nature to transform lives. The serenity of the botanical gardens and unique attributes of our rooftop terrace provide the perfect venue for weddings, celebrations and other special gatherings.

- **Activities:**

  - Print advertising in the Ormond Beach Observer and Stroll Magazine.
  - Direct mailing of quarterly Museum programs and exhibitions guide to members.
  - Direct mailing of exhibit opening invitations, special event invitations and announcements to Premier Members, Sponsors, and Elected Officials.
  - Digital marketing on social media with Google SEO and ad-words promotions.
  - Printed rack cards and garden maps for community distribution and OMAM lobby display.
  - Large outdoor display poster of museum programs and events. Monthly.
  - E-mail marketing; monthly newsletters to all members, weekly newsletters to segments for workshops, classes, youth programs and garden programs and special events.
  - Printed Annual Report for distribution at the annual dinner and beyond.

# 7. OPERATING BUDGET

| OPERATING BUDGET: October 1, 2024 - September 30, 2025 | | | |
|---|---|---|---|
| INCOME | | | |
| | Contributions | | $98,675.00 |
| | Fundraising | | $146,900.00 |
| | Grants | | $117,550.00 |
| | Earned Revenue | | $129,900.00 |
| | Sales | | $94,300.00 |
| | | | |
| Less COGS | | | $20,400.00 |
| | | | |
| | TOTAL INCOME | | $566,925.00 |
| | | | |
| EXPENSES | | | |
| | Administrative | | $38,200.00 |
| | Fundraising | | $40,000.00 |
| | Utilities/ Bldg. Maint. | | $33,652.00 |
| | Office Equip./Supplies | | $17,760.00 |
| | Accounting/Bookkeeping | | $15,000.00 |
| | Marketing | | $9,680.00 |
| | Artisitic Contractors | | $10,000.00 |
| | Other Professionals | | $10,000.00 |
| | Outside Fees | | $11,000.00 |
| | Program Services | | $21,250.00 |
| | Administrative Salaries | | $210,000.00 |
| | Artistic Salaries | | $121,812.00 |
| | Payroll Taxes | | $25,371.00 |
| | Employee Benefits / Fees | | $3,200.00 |
| | | | |
| | TOTAL EXPENSES | | $566,925.00 |

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 05/07/2025

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

| PRODUCER | CONTACT NAME: Phil O'brien | |
|---|---|---|
| Brown & Brown Insurance Services, Inc.<br>P.O. Box 2412<br>Daytona Beach FL 32115-2412 | PHONE (A/C, No, Ext): (386) 361-4951 | FAX (A/C, No): |
| | E-MAIL ADDRESS: phil.obrien@bbrown.com | |

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Philadelphia Indemnity Insurance Company | 18058 |
| INSURER B : Hartford Underwriters Insurance Company | 30104 |
| INSURER C : United States Liability Insurance Company | 25895 |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

**INSURED**
Ormond Memorial Art Museum, Inc
78 E Granada Blvd
Ormond Beach FL 32176

**COVERAGES** **CERTIFICATE NUMBER:** 25-26 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | [X] COMMERCIAL GENERAL LIABILITY<br>[ ] CLAIMS-MADE [X] OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>[X] POLICY [ ] PRO-JECT [ ] LOC<br>[ ] OTHER: | Y | | PHPK2662699-003 | 04/22/2025 | 04/22/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 1,000,000<br>$ 100,000<br>$ 5,000<br>$ 1,000,000<br>$ 2,000,000<br>$ 2,000,000 |
| A | AUTOMOBILE LIABILITY<br>[ ] ANY AUTO<br>[ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS<br>[X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY | | | PHPK2662699-003 | 04/22/2025 | 04/22/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident) | $ 1,000,000<br>$<br>$<br>$ |
| | [ ] UMBRELLA LIAB [ ] OCCUR<br>[ ] EXCESS LIAB [ ] CLAIMS-MADE<br>[ ] DED [ ] RETENTION $ | | | | | | EACH OCCURRENCE<br>AGGREGATE | $<br>$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N [ ]<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N / A | | 21WECER9949 | 12/09/2024 | 12/09/2025 | [X] PER STATUTE [ ] OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | <br>$ 100,000<br>$ 100,000<br>$ 500,000 |
| C | Directors & Officers | | | NDO1564301J | 10/28/2024 | 10/28/2025 | Each Claim<br>Aggregate Limit | $1,000,000<br>$1,000,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

City of Ormond Beach is an additional insured with respect to General Liability if required by written contract.

**CERTIFICATE HOLDER**

City of Ormond Beach
22 S Beach St,
Ormond Beach, FL 32174

**CANCELLATION**

**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.**

**AUTHORIZED REPRESENTATIVE**

Steve Fortner

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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# GENERAL LIABILITY DELUXE ENDORSEMENT: CULTURAL INSTITUTIONS

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE**

It is understood and agreed that the following extensions only apply in the event that no other specific coverage for the indicated loss exposure is provided under this policy. If such specific coverage applies, the terms, conditions and limits of that coverage are the sole and exclusive coverage applicable under this policy, unless otherwise noted on this endorsement. The following is a summary of the Limits of Insurance and additional coverages provided by this endorsement. For complete details on specific coverages, consult the policy contract wording.

| Coverage Applicable | Limit of Insurance | Page # |
|---|---|---|
| Extended Property Damage | Included | 2 |
| Non-Owned Watercraft | Less than 58 feet | 2 |
| Damage to Premises Rented to You | $1,000,000 | 2 |
| Personal and Advertising Injury – Televised or Videotaped Publication | Included | 3 |
| Medical Payments | $20,000 | 4 |
| Medical Payments – Extended Reporting Period | 3 years | 4 |
| Athletic Activities | Amended | 4 |
| Supplementary Payments – Bail Bonds | $5,000 | 4 |
| Supplementary Payment – Loss of Earnings | $1,000 per day | 4 |
| Employee Indemnification Defense Coverage | $25,000 | 5 |
| Additional Insured – Managers and Supervisors (with Fellow Employee Coverage) | Included | 5 |
| Additional Insured – Broadened Named Insured | Included | 5 |
| Additional Insured – Funding Source | Included | 5 |
| Additional Insured – Managers, Landlords, or Lessors of Premises | Included | 5 |
| Additional Insured – Lessor of Leased Equipment | Included | 5 |
| Additional Insured – Vendor | Included | 6 |
| Additional Insured – As Required by Contract | Included | 7 |
| Additional Insured – State or Political Subdivisions | Included | 7 |
| General Aggregate Per Location | Included | 7 |
| Duties in the Event of Occurrence, Claim or Suit | Included | 7 |
| Unintentional Failure to Disclose Hazards | Included | 8 |
| Transfer of Rights of Recovery Against Others To Us | Clarification | 8 |
| Liberalization | Included | 8 |
| Bodily Injury – includes Mental Anguish | Included | 8 |
| Personal and Advertising Injury – includes Abuse of Process, Discrimination | Included | 8 |


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**A. Extended Property Damage**

**SECTION I – COVERAGES**, **COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY**, Subsection **2. Exclusions**, Paragraph **a.** is deleted in its entirety and replaced by the following:

**a. Expected or Intended Injury**

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

**B. Non-Owned Watercraft**

**SECTION I – COVERAGES**, **COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY**, Subsection **2. Exclusions,** Paragraph **g.** (2) is deleted in its entirety and replaced by the following:

(2) A watercraft you do not own that is:

(a) Less than 58 feet long; and

(b) Not being used to carry persons or property for a charge;

This provision applies to any person, who with your consent, either uses or is responsible for the use of a watercraft. This insurance is excess over any other valid and collectible insurance available to the insured whether primary, excess or contingent.

**C. Damage to Premises Rented to You**

**1.** If damage by fire to premises rented to you is not otherwise excluded from this Coverage Part, the word "fire" is changed to "fire, lightning, explosion, smoke, or leakage from automatic fire protective systems" where it appears in:

**a.** The last paragraph of **SECTION I – COVERAGES**, **COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY**, Subsection **2. Exclusions**; is deleted in its entirety and replaced by the following:

Exclusions **c.** through **n.** do not apply to damage by fire, lightning, explosion, smoke, or leakage from automatic fire protective systems to premises while rented to you or temporarily occupied by you with permission of the owner. A separate limit of insurance applies to this coverage as described in **SECTION III – LIMITS OF INSURANCE**.

**b. SECTION III – LIMITS OF INSURANCE**, Paragraph 6. is deleted in its entirety and replaced by the following:

Subject to Paragraph 5. above, the Damage To Premises Rented To You Limit is the most we will pay under Coverage A for damages because of "property damage" to any one premises, while rented to you, or in the case of damage by fire, lightning, explosion, smoke, or leakage from automatic fire protective systems while rented to you or temporarily occupied by you with permission of the owner.

**c. SECTION V – DEFINITIONS**, Paragraph 9.a., is deleted in its entirety and replaced by the following.


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A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire, lightning, explosion, smoke, or leakage from automatic fire protective systems to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";

2. **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**, Subsection **4. Other Insurance**, Paragraph **b. Excess Insurance**, **(1)(a)(ii)** is deleted in its entirety and replaced by the following:

   That is insurance for fire, lightning, explosion, smoke, or leakage from automatic fire protective systems for premises rented to you or temporarily occupied by you with permission of owner;

3. The Damage To Premises Rented To You Limit section of the Declarations is amended to the greater of:

   **a.** $1,000,000; or

   **b.** The amount shown in the Declarations as the Damage to Premises Rented to You Limit.

   This is the most we will pay for all damage proximately caused by the same event, whether such damage results from fire, lightning, explosion, smoke, or leaks from automatic fire protective systems or any combination thereof.

**D. Personal and Advertising Injury – Televised or Videotaped Publication**

1. **SECTION I – COVERAGES, COVERAGE B PERSONAL AND ADVERTISING INJURY LIABILITY**, Subsection **2. Exclusions**, Paragraphs **b.** and **c.** are deleted in their entirety and replaced by the following:

   **b. Material Published With Knowledge Of Falsity**

   "Personal and advertising injury" arising out of oral, written, televised, or videotaped publication of material, if done by or at the direction of the insured with knowledge of its falsity.

   **c. Material Published Prior To Policy Period**

   "Personal and advertising injury" arising out of oral, written, televised, or videotaped publication of material whose first publication took place before the beginning of the policy period.

2. **SECTION V – DEFINITIONS**, Paragraph **14.** Is deleted in its entirely and replaced by the following.

   "Personal and advertising injury" means injury, including consequential "bodily injury", arising out of one or more of the following offenses:

   **a.** False arrest, detention or imprisonment;

   **b.** Malicious prosecution;

   **c.** The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person occupies, committed by or on behalf of its owner, landlord or lessor;


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**d.** Oral, written, televised, or videotaped publication, in any manner, of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services;

**e.** Oral, written, televised, or videotaped publication, in any manner, of material that violates a person's right of privacy;

**f.** The use of another's advertising idea in your "advertisement"; or

**g.** Infringing upon another's copyright, trade dress, slogan, title, or slogan in your "advertisement."

**E. Medical Payments – Limit Increased to $20,000, Extended Reporting Period**

If **COVERAGE C MEDICAL PAYMENTS** is not otherwise excluded from this Coverage Part:

**1.** The Medical Expense Limit is changed subject to all of the terms of **SECTION III – LIMITS OF INSURANCE** to the greater of:

**a.** $20,000; or

**b.** The Medical Expense Limit shown in the Declarations of this Coverage Part.

**2. SECTION I – COVERAGE**, **COVERAGE C MEDICAL PAYMENTS,** Subsection **1. Insuring Agreement**, a. (3) (b) is deleted in its entirety and replaced by the following:

(b) The expenses are incurred and reported to us within three years of the date of the accident.

**F. Athletic Activities**

**SECTION I – COVERAGES**, **COVERAGE C MEDICAL PAYMENTS**, Subsection **2. Exclusions**, Paragraph **e. Athletic Activities** is deleted in its entirely and replaced with the following:

**e. Athletic Activities**

To a person injured while taking part in athletics.

**G. Supplementary Payments**

**SECTION I – COVERAGES, SUPPLEMENTARY PAYMENTS – COVERAGE A AND B** are amended as follows.

**1. b.** is deleted in its entirety and replaced by the following:

**1. b.** Up to $5000 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which the Bodily Injury Liability Coverage applies. We do not have to furnish these.

**1.d.** is deleted in its entirety and replaced by the following:

**1. d.** All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to $1,000 a day because of time off from work.


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**H. Employee Indemnification Defense Coverage**

**SECTION I – COVERAGES, SUPPLEMENTARY PAYMENTS – COVERAGES A AND B** the following is added:

We will pay, on your behalf, defense costs incurred by an "employee" in a criminal proceeding occurring in the course of employment.

The most we will pay for any "employee" who is alleged to be directly involved in a criminal proceeding is $25,000 regardless of the numbers of "employees," claims or "suits" brought or persons or organizations making claims or bringing "suits."

**I. Additional Insureds**

**SECTION II – WHO IS AN INSURED** is amended as follows:

Each of the following is also an insured:

1. **Managers and Supervisors** – Your managers and supervisors are also insureds, but only with respect to their duties as your managers and supervisors. Managers and supervisors who are your "employees" are also insureds for "bodily injury" to a co-"employee" while in the course of his or her employment by your or performing duties related to the conduct of your business.

   This provision does not change Item 2.a.(1)(a) as it applies to managers of a limited liability company.

2. **Broadened Named Insured –** Any organization and subsidiary thereof which you control and actively manage on the effective date of this Coverage Part. However, coverage does not apply to any organization or subsidiary not named in the Declarations as Named Insured, if they are also insured under another similar policy, but for its termination or the exhaustion of its limits of insurance.

3. **Funding Source** – Any person or organization with respect to their liability arising out of:

   **a.** Their financial control of you; or

   **b.** Premises they own, maintain or control while you lease or occupy these premises.

   This insurance does not apply to structural alterations, new construction and demolition operations performed by or for that person or organization.

4. **Managers, Landlords, or Lessors of Premises** – Any person or organization with respect to their liability arising out of the ownership, maintenance or use of that part of the premises leased or rented to you subject to the following additional exclusions:

   This insurance does not apply to:

   **a.** Any "occurrence" which takes place after you cease to be a tenant in that premises; or

   **b.** Structural alterations, new construction or demolition operations performed by or on behalf of that person or organization.

5. **Lessor of Leased Equipment – Automatic Status When Required in Lease Agreement With You –** Any person or organization from whom you lease equipment when you and such person or organization have agreed in writing in a contract or agreement that such person or


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organization is to be added as an additional insured on your policy. Such person or organization is an insured only with respect to liability for “bodily injury,” “property damage” or “personal and advertising injury” caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person or organization.

A person’s or organization’s status as an additional insured under this endorsement ends when their contract or agreement with you for such leased equipment ends.

With respect to the insurance afforded to these additional insureds, this insurance does not apply to any “occurrence” which takes place after the equipment lease expires.

**6.** **Vendors** – Any person(s) or organization(s) (referred to below as vendor), but only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business, subject to the following additional exclusions:

**a.** The insurance afforded the vendor does not apply to:

**(1)** “Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;

**(2)** Any express warranty unauthorized by you;

**(3)** Any physical or chemical change in the product made intentionally by the vendor;

**(4)** Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;

**(5)** Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;

**(6)** Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;

**(7)** Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or

**(8)** "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:

**(a)** The exceptions contained in Sub-paragraphs **(4)** or **(6)**; or

**(b)** Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.

**b.** This insurance does not apply to any insured person or organization, from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing.


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7. **As Required by Contract** – Any person or organization where required by a written contract executed prior to the occurrence of a loss. Such person or organization is an additional insured for "bodily injury," "property damage" or "personal and advertising injury" but only for liability arising out of the negligence of the named insured. The limits of insurance applicable to these additional insureds are the lesser of the policy limits or those limits specified in a contract or agreement. These limits are included within and not in addition to the limits of insurance shown in the Declarations

8. **State or Political Subdivisions –** Any state or political subdivision as required, subject to the following provisions:

   **a.** This insurance applies only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit, and is required by contract.

   **b.** This insurance does not apply to:

      **(1)** "Bodily injury," "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or

      **(2)** "Bodily injury" or "property damage" included within the "products-completed operations hazard."

**J. General Aggregate Per Location**

**SECTION III – LIMITS OF INSURANCE**, Paragraph **2.** Is amended to include the following additional provision:

The General Aggregate Limit applies separately to each of your "locations" owned by or rented to you.

"Location" means premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad.

**K. Duties in the Event of Occurrence, Claim or Suit**

**SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**, Paragraph **2.** is amended as follows:

Item **a.** is amended to include:

This condition applies only when the “occurrence” or offense is known to:

**(1)** You, if you are an individual;

**(2)** A partner, if you are a partnership; or

**(3)** An executive officer or insurance manager, if you are a corporation.

Item **b.** is amended to include:

This condition will not be considered breached unless the breach occurs after such claim or “suit” is known to:

**(1)** You, if you are an individual;

**(2)** A partner, if you are a partnership; or


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**(3)** An executive officer or insurance manager, if you are a corporation.

**L. Unintentional Failure To Disclose Hazards**

**SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, 6. Representations** is amended to include the following:

It is agreed that, based on our reliance on your representations as to existing hazards, if you should unintentionally fail to disclose all such hazards prior to the beginning of the policy period of this Coverage Part, we shall not deny coverage under this Coverage Part because of such failure.

**M. Transfer of Rights of Recovery Against Others To Us**

**SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS, 8. Transfer of Rights of Recovery Against Others To Us** is deleted in its entirety and replaced by the following:

If the insured has rights to recover all or part of any payment we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

Therefore, the insured can waive the insurer's Rights of Recovery prior to the occurrence of a loss, provided the waiver is made in a written contract.

**N. Liberalization**

**SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS,** is amended to include the following:

If we revise this endorsement to provide more coverage without additional premium charge, we will automatically provide the additional coverage to all endorsement holders as of the day the revision is effective in your state.

**O. Bodily Injury – Mental Anguish**

**SECTION V – DEFINITIONS**, Paragraph **3.** is deleted in its entirety and replaced by the following:

"Bodily injury":

**a.** Means bodily injury, sickness or disease sustained by a person, and includes mental anguish resulting from any of these; and

**b.** Except for mental anguish, includes death resulting from the foregoing (Item **a.** above) at any time.

**P. Personal and Advertising Injury – Abuse of Process, Discrimination**

If **COVERAGE B PERSONAL AND ADVERTISING INJURY LIABILITY COVERAGE** is not otherwise excluded from this Coverage Part, the definition of "personal and advertising injury" is amended as follows:

1. **SECTION V – DEFINITIONS**, Paragraph **14.b.** is deleted in its entirety and replaced by the following:

   b. Malicious prosecution or abuse of process;

2. **SECTION V – DEFINITIONS**, Paragraph **14.** is amended to include the following:


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Discrimination based on race, color, religion, sex, age or national origin, except when:

**a.** Done intentionally by or at the direction of, or with the knowledge or consent of:

**(1)** Any insured; or

**(2)** Any executive officer, director, stockholder, partner or member of the insured;

**b.** Directly or indirectly related to the employment, former or prospective employment, termination of employment, or application for employment of any person or persons by an insured;

**c.** Directly or indirectly related to the sale, rental, lease or sublease or prospective sales, rental, lease or sub-lease of any room, dwelling or premises by or at the direction of any insured; or

**d.** Insurance for such discrimination is prohibited by or held in violation of law, public policy, legislation, court decision or administrative ruling.

The above does not apply to fines or penalties imposed because of discrimination.


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**RESOLUTION NO. 2024-135**

A RESOLUTION AUTHORIZING EXECUTION OF A SERVICE AGREEMENT BETWEEN THE CITY AND THE ORMOND MEMORIAL ART MUSEUM, INC.; AUTHORIZING THE EXPENDITURE OF FUNDING; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City Commission desires to enter into an agreement with the Ormond Memorial Art Museum, Inc. regarding the activities and functions connected with the maintenance and operation of the museum, and

**WHEREAS**, the City Manager has certified that the City's $75,150.00 funding contribution has been appropriated in the General Fund (001) and has not been appropriated for any other purpose, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The Mayor and the City Manager are hereby authorized and directed to execute a Service Agreement between the City of Ormond Beach and the Ormond Memorial Art Museum, Inc. regarding the activities and functions connected with the maintenance and operation of the museum, a copy of said Agreement being attached hereto and incorporated herein by reference.

**SECTION TWO.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 4th day of September, 2024.**

Bill Partington

**BILL PARTINGTON**
Mayor

**ATTEST:**

**SUSAN CARROLL DAUDERIS**
City Clerk

**SERVICE AGREEMENT**
**FOR ORMOND MEMORIAL ART MUSEUM, INC.**

**THIS AGREEMENT** is entered into by and between the **CITY OF ORMOND BEACH ("CITY"),** a Florida municipal corporation, and **ORMOND MEMORIAL ART MUSEUM, INC. ("MUSEUM"),** a Florida non-profit corporation, in consideration of the terms and conditions described as follows.

1. **Recitals.** The parties agree that the foregoing recitals are true and correct and are incorporated herein by reference and are part of this Agreement.

2. **Term.** This Agreement shall be effective on the date it is last signed by the undersigned parties and shall continue in effect through and including September 30, 2025. Thereafter, this Agreement may be renewed for additional one (1) year periods beginning on October 1st and ending on September 30th of the following year.

3. **Responsibilities of the Respective Parties.**

*The MUSEUM shall be responsible for the following:*

*a)* Administering a professional Art Museum, including programs and exhibitions, that shall be open and free to the public Monday through Saturday, 10:00 a.m. to 4:00 p.m.; and Sunday, 12:00 p.m. to 4:00 p.m. Closed major holidays and between exhibitions.

b) Hosting monthly pop-up professionally curated Art Exhibitions in the museum galleries as well as in different locations throughout the City.

c) Conducting both in person and online educational art enrichment and outreach programs in the museum classroom(s) and offsite to support underserved Ormond

Beach population with *Free Family Art Nights,* programs for veterans, programs for visitors with limited or no vision, and to those with medical conditions.

d) Participating and representing Ormond Beach at Volusia County Cultural Alliance and participate in ECHO Ranger Children's Program.

e) Offering online art and nature education classes for adults and children, including a summer camp for 2025.

f) Collaborating and partnering with the City of Ormond Beach and Ormond Beach Main Street to host Art in the Park Art Show, and other community cultural events.

g) Hosting a Veteran's Day Tribute reception or event annually.

h) Maintaining an active presence for Ormond Beach and Ormond Memorial Art Museum in the Florida Association of Museums and the American Alliance of Museums.

i) Stewarding and professionally maintaining and marketing the Malcolm Fraser collection of paintings.

j) Maintaining the preservation of the Gardens by providing the labor, material and maintenance for the formal planting of flower beds with annuals, providing change of color with each season as per attached Memorial Gardens Care Plan.

k) Operating under the Art Museum Advisory Board derived from the Ormond Memorial Art Museum, Inc.

l) Collecting and disseminating data, providing assistance to City committees, Quality of Life Board, Leisure Services Advisory Board, Ormond Memorial Art Board, and attending various meetings relative to such tasks.

m) Providing information to the City of Ormond Beach webpage in regards to programming information as it relates to the Ormond Memorial Art Museum and Gardens.

n) Maintaining an Art Museum Director.

o) Scheduling and providing rental opportunities for weddings and social functions in the Museum, gazebo and the gardens. The fees charged shall be consistent with the City's Fee Schedule as approved annually. Museum shall be entitled to retain all rental fees collected. It is the Museum's responsibility to ensure that the renting parties execute use agreements, provide insurance, and execute a release of liability and indemnity agreement (requirements are more specifically described in the Ormond Memorial Lease Agreement). The Museum shall permit use of meeting rooms by City staff or officials without charge when such use is for City purposes and does not conflict with another previously scheduled event.

*The CITY shall be responsible for the following:*

a) The City shall make an annual contribution to the Ormond Art Museum in the total sum of seventy five thousand one hundred fifty and 00/100 ($75,150.00), payable in quarterly installments of eighteen thousand seven hundred eighty seven and 50/100 dollars ($18,787.50).

b) The parties shall be responsible for maintenance and repair of the structures and facilities as provided in the Ormond Memorial Art Museum Lease Agreement. Janitorial services shall be provided by the Museum.

c) The City shall provide regular grounds maintenance services in coordination with the Museum Gardener's duties and as provided in the attached Memorial Gardens Care Plan.

d) The City shall be responsible for the payment of all electrical and water charges in the Gardens.

e) Any proposed capital improvements shall be approved by, and at the discretion of, the Ormond Beach City Commission.

f) The City shall have oversight for the garden memorials, with garden benches and specific plants, donated by local residents as tributes to family members and friends.

g) The City shall allow Museum non-exclusive use of the grassy area located behind the St. James church as overflow parking. Reservations for use of the overflow parking area must be made with the City's designated representative. The parking area is depicted on Exhibit "A" which is attached hereto and incorporated herein by reference. The Museum shall ensure that its liability insurance policy is updated to reflect insurance coverage for this additional parking lot area.

4. **Art Museum Advisory Board.** The responsibilities of the parties delineated in this Agreement are consistent with the purpose of the Art Museum Advisory Board set forth in Section 2-219, City of Ormond Beach *Code of Ordinances*.

The City Manager, or designee, and the chairman of the Quality of Life advisory board shall be ex officio voting members of the board of directors of the MUSEUM, in accordance with Section 2-219, *Code of Ordinances*.

5. **Termination of Agreement.** Either party may terminate this Agreement without cause upon giving the other party at least sixty (60) days prior written notice of the intention to terminate this Agreement.

6. **Relationship of Parties.** Neither the CITY (including any of its elected or appointed officers, employees, agents or other representatives) nor MUSEUM (including any of its directors, officers, employees, agents or other representatives) are the employee, agent, or other representative of the other party; and all activity performed by either party pursuant to and in furtherance of this Agreement, whether directly or indirectly related to this Agreement, shall constitute the separate and independent act of the respective party performing said act.

7. **Liability and Indemnification.** MUSEUM shall fully defend, indemnify, save, and hold the CITY (including its elected and appointed officers, employees, agents, and other representatives) harmless from and against all suits, action, claims, proceedings, demands, or liability of any nature whatsoever (including attorney's fees through and including all appeals), arising from injury, loss, or damage to any person or property, which is directly or indirectly caused by or results from any act or negligence of MUSEUM (including its directors, officers, employees, agents and other representatives).

8. **Miscellaneous.** MUSEUM shall:

   **a)** Obtain and maintain at its sole expense, all applicable licenses, permits and certificates which are necessary to discharge MUSEUM'S duties under this Agreement.

   **b)** Be solely responsible for paying all costs relative to the discharge of its duties under this Agreement, except as otherwise indicated herein.

c) Comply with all applicable federal, state, and local laws, rules, and regulations.

d) Have the option to serve beer, wine and liquor under the following conditions:

- Any profits of the sale of alcohol at the MUSEUM shall directly benefit MUSEUM operations.
- The MUSEUM must ensure that the MUSEUM and any vendors comply with state liquor licensing, and all state and local regulations.
- The MUSEUM shall maintain liquor liability insurance of no less than 1 million per occurrence naming the CITY as an additional insured, and shall require any vendors selling alcohol to provide proof of liquor liability insurance in the same amount.
- The MUSEUM shall indemnify and hold the CITY harmless from any liability resulting from any personal injury or property damage occurring as a result of any service or sale of alcohol at the MUSEUM.
- The MUSEUM is ultimately responsible for maintaining appropriate safety and security at any event where alcohol is served or sold. At any event in which alcohol is served, supervision by MUSEUM staff is mandatory.
- All applications for use of the MUSEUM by third parties shall state whether alcohol will be sold or served.
- All records of alcohol sales shall be provided by the MUSEUM to the CITY as part of the annual report accounting of the Museum's

revenues from events and operation of concessions as required by the Ormond Memorial Art Museum Lease Agreement

- The City shall have the right to terminate alcohol sales or service at the MUSEUM if any of the above conditions are not met.

**9. Assignment.** Neither this Agreement nor any part thereof may be assigned to any other person or entity without the prior written consent of the City Commission.

**10. Sovereign Immunity.** The CITY expressly retains all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the CITY.

**11. Complete Agreement.** The terms of this Service Agreement are incorporated into the Lease of the Ormond Memorial Art Museum and Building effective October 1, 2019, and together, these Agreements constitute the entire and complete agreement by and between the parties.

**12. Amendments.** This Agreement may not be amended unless such changes are reduced to writing, which amendments must be approved by the City Commission, and signed by both parties.

**13. Public Purpose.** The allocation and expenditure of public funds herein provided are intended to serve clearly identifiable and concrete public purposes as the primary objective of this agreement, with a reasonable expectation that such public purposes will be substantially and effectively accomplished, and that the public funds provided herein are not to be used for general functions or purposes of MUSEUM. The parties determine that the use of the public funds are intended to satisfy the "public purpose" principles established in O'*Neill v. Burns,* 198 So.2d 1 (Fla. 1967) and Florida Attorney General Opinion 75-221 (July 24, 1975).

14. **Compliance With Florida Public Records Law.** MUSEUM expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the contracted service.

(b) Provide the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

(d) Meet all requirements for retaining public records and transfer, at no cost, to the City all public records in possession of the MUSEUM upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City.

(e) Failure of MUSEUM to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32175. (386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

**IN WITNESS WHEREOF,** the undersigned parties have caused this Service Agreement to be signed on the dates indicated hereinbelow.

**DATE:** September 4, 2024.

**CITY OF ORMOND BEACH**

By: Bill Partington
**BILL PARTINGTON**
Mayor

Attest: Joyce Shanahan
**JOYCE A. SHANAHAN**
City Manager

**DATE:** Aug 6, , 2024.

**ORMOND MEMORIAL ART MUSEUM, INC.**

By: Audrey A Butler
Print Name Audrey A. Butler
President

Attest: Stephanie Mason-Teague
Print Name Stephanie Mason-Teague
Director

## Memorial Gardens Care Plan

**Mowing Contract** (City of Ormond Beach)
39 visits per year – once weekly in summer, once every two weeks in winter
Services provided:
Mow grass
Edge grass
Weed eat grass
Blow off parking lot & paths
Mulch once per year
Fertilize grass

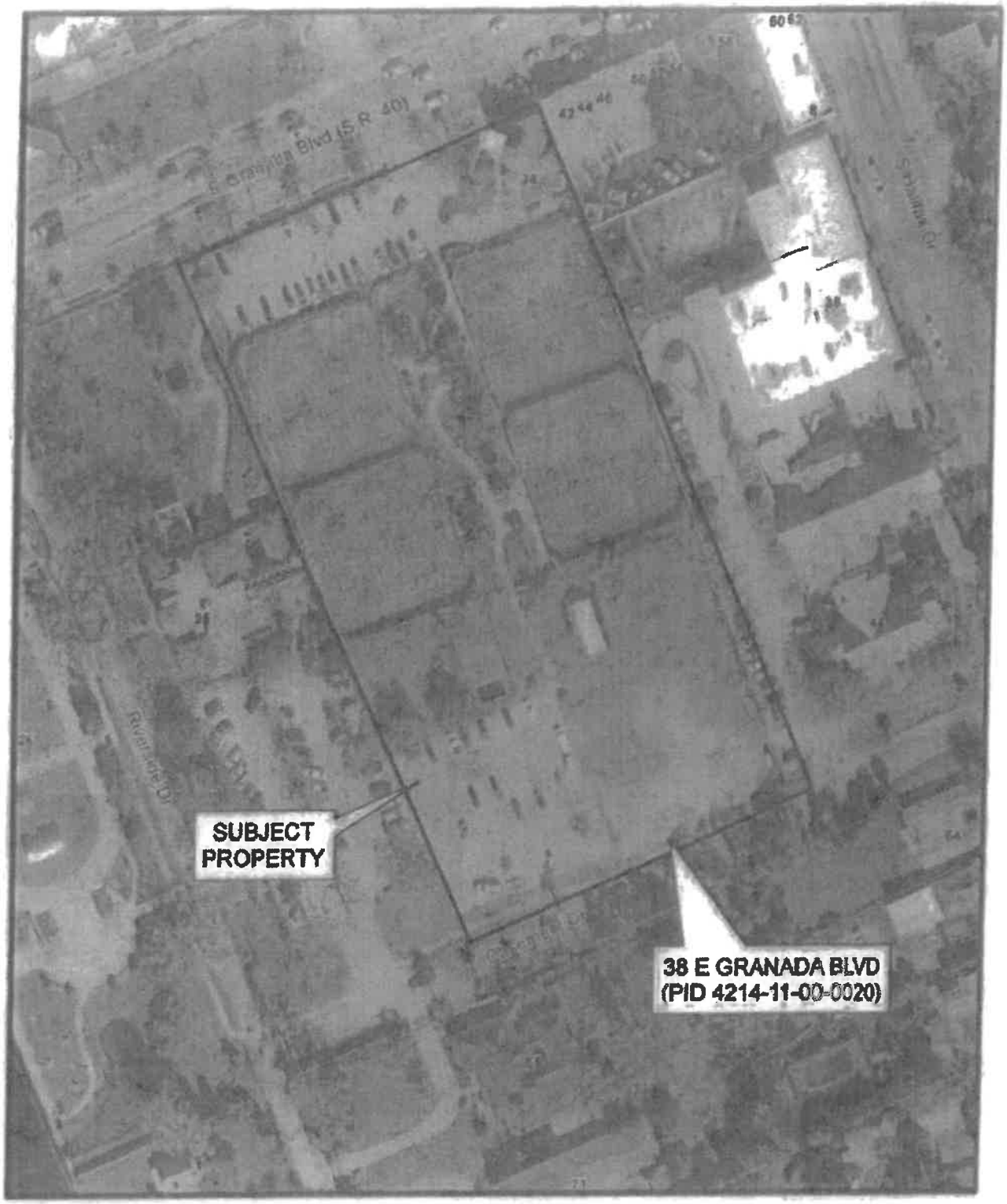
**Parks Maintenance Duties** (City of Ormond Beach):
Blow off paths two times per week
Maintain & repair hardscape elements as needed
Repair major irrigation problems

**Museum Gardener** (OMAM)
**Funding:** OMAM
**Duties:**
Plant, maintain, weed & fertilize flower beds
Prune shrubs
Weed shrubs
Clean up storm debris & litter

**Other** (currently being done by Museum Gardener):
Remove underbrush & dead plant material
Prune overgrowth
Edge & prune paths
Prune around ponds
Clean out 4 ponds weekly
Monitor pumps on ponds, keep aerators clean & make minor repairs
Monitor irrigation

(pruning & weeding debris averages 190 cubic yards a year)

Exhibit "A"




**LOCATION MAP**
**38 EAST GRANADA BOULEVARD**
**(PARCEL ID 4214-11-00-0020)**

Prepared By: The City of Ormond Beach
G.I.S. Department - September 16, 2021

N
W E
S
1 inch = 100 feet

# City of Ormond Beach
# AGENDA ITEM

September 4, 2024 - City Commission

**Number:** 8.A

| | | | |
|---|---|---|---|
| **Section:** | CONSENT AGENDA | | |
| **Item Category:** | Consent - Resolution | **Res./Ord. No:** | 2024-135 |
| **Strategic Goal:** | Quality of Life - Other | | |
| **Department:** | Leisure Services | | |
| **Subject:** | Ormond Beach Memorial Art Museum Service Agreement | | |
| **Summary:** | This is the renewal of the annual contract for services agreement with the Ormond Memorial Art Museum (OMAM). The contract has been renewed annually since 2008, and remains in effect through September 30, 2024. Per the agreement, the contract may be renewed for additional one-year periods based upon the City's fiscal calendar. OMAM is a critical cultural addition to the downtown area and has consistently provided excellent service to the City, residents, and visitors.<br><br>Ormond Memorial Art Museum (OMAM) is requesting a 3% increase, totaling $2,190, in the annual contribution from the City of Ormond Beach from $72,960 to $75,150. The increase will help offset higher costs of providing services, such as programming, marketing, cleaning, security, and maintenance, to reflect current market rates and support additional visitors, programming, and expanded operational hours. | | |
| **Financial Impact:** | OMAM is requesting a 3% increase to the annual contribution from the City of Ormond Beach from $72,960 to $75,150. The annual funding assists OMAM in providing free admittance 7 days a week, and supports the free art outreach programs for veterans. In addition to the annual funding, City staff maintains the following at the OMAM:<br><br>• Flags - replacement<br>• Fountain - operational issues, piping issues, pump replacement when required<br>• Bathrooms - faucets, toilets, drains<br>• Water bubblers<br>• Elevator maintenance coordination<br>• Air conditioning troubleshooting and repairs<br>• Pest control | | |

| | |
|---|---|
| | • General repairs - outside faucets, outside plumbing, waterfall troubleshooting<br>• Gazebo repairs<br>• Parking area wall repairs<br>• Electrical issues - lighting, resets, parking area<br>• Doors - closers, handles, locks<br>• Moving furniture<br>• Pressure washing<br>• Roof issues when required<br>• Painting if requested<br><br>Yellowstone Landscape provides landscape and lawn mowing services with 39 visits per year. Services include irrigation maintenance and repair, fertilization, mulch and detail services. Additionally, Yellowstone Landscape blows the garden paths off 3 times per week. Annual costs for all landscape and lawn mowing services is $16,793.15. This is in addition to the annual OMAM contribution. |
| **Citizen Impact:** | OMAM provides an important service to the community historically and culturally. The various tributes to local war veterans located at the facility are a meaningful feature of the museum. The museum provides year-round art exhibits, classes, and cultural events that are professionally created, organized, and managed by the OMAM staff. |
| **Recommended Action (Staff, Advisory Board and/or Other):** | Staff is recommending approval of the renewal agreement for services with the OMAM for an additional year, with the effective date of October 1, 2024. |
| **Staff Contact:** | Robert Carolin, Leisure Services Director, (386) 676-3279 |
| **Attachments:** | 1. 24-135 OMAM Svc Agr (P24-0129G)<br>2. Ormond Memorial Art Museum Service Agr (P24-0129G)<br>3. Annual Request Letter and report<br>4. OMAM Profit & Loss Oct 1_23 - June_30_24 |
| **Approval:** | Kelly McGuire, Finance Director 7/30/2024<br>Shawn Finley, Assistant City Manager 8/21/2024<br>Joyce Shanahan, City Manager 8/21/2024 |

Ormond Memorial
# Art Museum & Gardens

78 East Granada Blvd.
Ormond Beach, FL 32176

386.676.3347 tel
386.676.3244 fax
www.ormondartmuseum.org

Audrey Butler, Ph.D.
President

Lauren Dye
Vice President

Roosevelt Harris
Treasurer

Dr. Philip Shapiro
Secretary

Sherry Gailey
Imm Past President

Bridget Bergens
Allan Brewer
Tom Brown, MD
Oscar Carbonell
Kathy Crotty
Skip Dailey
Siobhan Daly
Sejal Desai
Melissa Frankel
Allison Miller
Nancy Munier
Tammy Navarra
Nancy Suah
Alicia Scott
Jessica Scott
Stacy Cunningham Welch
Chris Wickersham
Shea Davis Williams

Stephanie Mason-Teague
Executive Director

OMAM funded in part by
The City of Ormond Beach
The County of Volusia
The State of Florida

ACCESSIBLE

July 8, 2024

Joyce Shanahan, City Manager
Robert Carolin, Leisure Services Director
City of Ormond Beach, Florida

Hello Joyce and Robert,

Thank you for your support of OMAM! We are proud to be a part of our thriving Ormond Beach community and value our 78-year partnership very much. We are pleased to share our programs and successes with you.

Our new beautiful building's location at the highly visibly intersection of east Granada Blvd. and Halifax Ave positions OMAM as an anchor to the cultural community in Ormond Beach. We have seen a steady increase in daily museum and garden attendance and have added several new programs and opportunities for engagement.

This year we set out to offer relevant and vibrant programs to our community with a focus on three distinct areas: Exhibitions, Education and Outreach. To reach these goals, we have hired additional staff and extended our weekend and evening hours and program offerings. Please follow this link to our website to see our quarterly program guides.

https://www.ormondartmuseum.org/classes-programs/quarterly-guides.html

We are happy to report that we have already met or exceeded many of our goals with third quarter numbers still outstanding.

**Exhibition goals highlights**: In May, our Curatorial staff and exhibition committee reviewed over 200 artists submissions! More submissions were received than ever before representing artists of varying mediums and from across the country. We are excited to feature never before seen artists and exhibitions to our community in 2025-2026. Our Malcolm Fraser art collection is now in museum quality storage in the museum rather than in an offsite storage facility. Additionally, OMAM is proud to offer local and regional artists the opportunity to exhibit their art through our monthly Pop-Up exhibitions.

**Education goals highlights**: The OMAM botanical gardens have been a resource for our community for many years. This year we added wellness programs in the garden gazebo, two visiting master gardener talks and two musical performances! Our Curator of Youth Programs and Outreach has been busy! We added *S.O.F.A - School's Out for Art* to serve our students on school vacation days and a new partnership with the Early Learning Coalition to reach pre-kindergarten youth and families. We are proud to continue our partnership with the Garden Club of the Halifax Country and offer the program *Natures Art Box* to local elementary students.

**Outreach goals highlights**: The outreach goals for this year were very board centric and focused on museum sustainability. You may remember when County Cultural Grants were threatened last year, and the more recent announcement that the State of Florida will not fund the cultural arts grant this year. The OMAM board realized we must be proactive and develop other sources of revenue and launched an annual program to solicit philanthropic sponsors. This program has been successful and has ensured OMAM will not operate in a deficit this year, although, 2023-2024 has been financially challenging in other ways due to increased operating costs related to inflation and necessary wage increases.

We would like to request the continuation of our annual agreement for services and a 3% increase to the annual contribution from the city from $72,960 to $75,150. This increase will primarily help to offset the higher costs of providing services, cleaning and security to accommodate more visitors.

May we also request the following updates to the service agreement:

**The Museum shall be responsible for the following:**
* Item 3(a) the museum is now open Monday - Saturday from 10am - 4pm and noon to 4pm on Sundays.

* Item 3(b) hosting monthly pop-up professionally curated Art Exhibitions each month in the museum galleries as well as in different locations throughout the city.

* Item 3(c) Conducting both in person and online educational art enrichment and outreach programs in the museum classroom(s) and offsite to support underserved Ormond Beach residents with *Free Family Art Nights*, programs for Veterans, programs for visitors with limited or no vision, and those in medical situations.

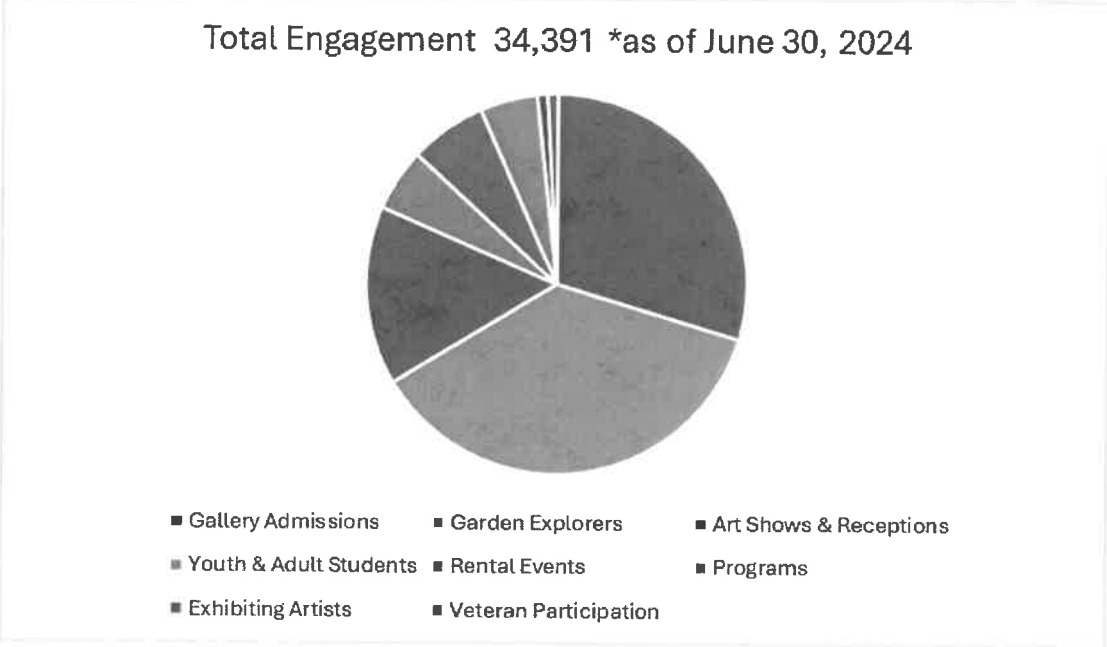
* Item 3(h) - American Alliance of Museums (correct name)

**The City shall be responsible for the following:**
* Item 3(a) OMAM has requested an increase in funding.

**Memorial Gardens Care Plan:**
Museum Gardener: funding: City of Ormond Beach $11,640 (included in annual contribution); OMAM $26,148 (includes proposed 3% increase for FY2024-25)

We are pleased to share with you how OMAM has served and engaged with the community so far this year. The cornerstone of our programming is access and outreach with creative and environmental education which is exemplified in our mission: "Inspiring our community through art and nature while honoring those who fought for freedom".

The chart and table below reflect our fiscal year to date: October 1, 2023 - June 30, 2024.




| | |
|---|---|
| Gallery Admissions | 10,201 |
| Garden Explorers | 12,600 |
| Art Show & Receptions | 5,236 |
| Youth & Adult Students | 1,833 |
| Rental Events | 2,246 |
| Programs | 1,685 |
| Exhibiting Artists | 291 |
| Veterans Participation | 299 |

Please don't hesitate to contact me if you have any questions or need additional information. I can be reached by phone at 386-676-3347, or 386-871-7873 (cell) or email at smt@ormondartmuseum.org.

Thank you,
Stephanie Mason-Teague
Executive Director

Enclosures: Profit and Loss Statement

# Ormond Memorial Art Museum and Gardens

# Income and expenses: October 1, 2023 - June 30, 2024

*Alcohol sales highlighted

| | Oct '23 - Jun 24 |
|---|---|
| ORMOND ART MUSEUM OCT 1, 2023 - June 30, 2024 | |
| Income | |
| Contributions | |
| 4730 · Exhibition & Program Sponsor | 52,850.00 |
| 4310 · Foundation Contributions | 9,500.00 |
| Fundraising | |
| 4056 · Annual Appeal | 9,429.24 |
| 4770 · Art in the Garden | |
| 4771 · Sponsonship | 2,000.00 |
| 4772 · Annual Sponsor Tables | 26,630.82 |
| 4773 · Ticket | 24,006.90 |
| 4774 · Dessert | 22,857.01 |
| 4775 · Auction | 27,913.62 |
| Art in the Garden Donations | 400.00 |
| 4770 · Art in the Garden - Other | 0.00 |
| Total 4770 · Art in the Garden | 103,808.35 |
| 4790 · Art in the Park | 10,925.00 |
| Total Fundraising | 124,162.59 |
| 4791 · Garden Contributions | 90.00 |
| 4793 · Individual Contributions | 8,143.62 |
| Total Contributions | 194,746.21 |
| Grants | |
| State of Florida | 29,668.00 |
| City of Ormond Beach Grant | 54,720.00 |
| County Grant | 23,764.50 |
| Other Private Grants | 0.00 |
| Total Grants | 108,152.50 |
| Revenue | |
| 4050 · Group Tours | |
| 4051 · Museum Group Tours | 242.00 |
| 4052 · Garden Group Tours | 226.00 |
| Total 4050 · Group Tours | 468.00 |

| | |
|---|---|
| 4000 · Adult Tuition | 16,271.50 |
| 4020 · Youth Tuition | 2,368.00 |
| 4040 · Summer Camp | |
| Scholarship Fund Awarded | 675.00 |
| 4040 · Summer Camp - Other | 14,880.00 |
| Total 4040 · Summer Camp | 15,555.00 |
| 4060 · Admission Donations | 14,005.59 |
| 4070 · Rental Income | 37,054.07 |
| 4080 · Membership | 40,675.00 |
| 4300 · Fraser Trust Income | 924.60 |
| Total Revenue | 127,321.76 |
| Sales | |
| Bar Sales | |
| Tips Income | 0.00 |
| Bar Sales - Other | 14,589.53 |
| Total Bar Sales | 14,589.53 |
| Art Sales | 8,701.98 |
| Gift Shop Sales | 21,497.39 |
| Total Sales | 44,788.90 |
| Total Income | 475,009.37 |
| Cost of Goods Sold | |
| Cost of Goods Sold | |
| 50000 · Exhibition Art Sales | 3,461.50 |
| Bar Inventory | 7,761.27 |
| Gift Shop Inventory | 7,813.49 |
| Total Cost of Goods Sold | 19,036.26 |
| Total COGS | 19,036.26 |
| Gross Profit | 455,973.11 |
| Expense | |
| Administrative | |
| Rental Events | 11,007.59 |
| Gift Shop Supplies | 382.69 |
| Bar Supplies | 232.52 |
| Onboarding Expense | 82.50 |
| Community Programs & Events | -800.00 |
| Advertising/Mkt/Newsletter | 7,092.25 |
| Dues & Subscriptions | 7,278.78 |
| Insurance | |
| Liability | 4,365.28 |
| Workers Comp | 590.31 |
| Total Insurance | 4,955.59 |
| Professional Development | 1,116.69 |

| | |
|---|---|
| Taxes & Licenses | 470.00 |
| **Total Administrative** | 31,818.61 |
| **Building Utilities & Maintenance** | 0.00 |
| **Fundraising** | |
| Annual Appeal Expenses | 2,224.73 |
| Art in the Garden | 20,044.88 |
| Art in The Park | 10,925.00 |
| Donor and Member Appreciation | 202.33 |
| **Total Fundraising** | 33,396.94 |
| **Gen & Admin Bldg Utils & Maint** | |
| Garden | 2,108.71 |
| City Utilities | 852.86 |
| FPL | 11,027.04 |
| Janitorial | 1,197.51 |
| Maintenance & Supplies | 2,244.34 |
| Pest Control | 0.00 |
| Phone | 1,300.61 |
| Security System | 821.00 |
| **Total Gen & Admin Bldg Utils & Maint** | 19,552.07 |
| **Office Expenses** | |
| Leased Equipment | 0.00 |
| Office Equipment | 7,551.81 |
| Office Supplies | 3,049.08 |
| Online Svcs/Software/Website | 5,051.85 |
| Postage | 2,043.35 |
| **Total Office Expenses** | 17,696.09 |
| **Outside Fees** | |
| Late Fee | 87.94 |
| Finance Charges | 0.00 |
| Neon Online fees | 3,716.68 |
| Stripe Online Fees | 2,052.23 |
| Accounting | 3,000.00 |
| Artistic Contractors | 10,005.00 |
| Bank Charges | 64.66 |
| Bookkeeping | 11,270.70 |
| Merchant fees | 2,776.96 |
| Other Professional Support | 7,519.00 |
| **Total Outside Fees** | 40,493.17 |
| **Over/short** | 14.78 |
| **Program Services** | |
| Volunteers | 25.30 |
| Art of Healing | 841.61 |

| | |
|---|---|
| VA Program | 2,524.02 |
| Family Art Night | 2,039.71 |
| Art Camp | 715.70 |
| Educational Supplies | |
| Youth Tuition Expense | 671.67 |
| Adult Tuition Expense | 165.00 |
| Educational Supplies - Other | 455.34 |
| Total Educational Supplies | 1,292.01 |
| Exhibition Hard Costs | 1,996.71 |
| Exhibition Marketing Costs | 0.00 |
| Exhibition Reception Costs | 2,078.75 |
| Program Services - Other | 68.87 |
| Total Program Services | 11,582.68 |
| Salaries, Wages & Benefits | |
| Employee Incentives | 2,273.96 |
| Employee Health Ins Benefits | 0.00 |
| Direct Deposit Fee | 532.50 |
| Payroll Taxes | |
| FL Unemployment | 66.23 |
| Medicare | 3,485.43 |
| Social Security | 14,903.11 |
| Payroll Taxes - Other | 0.00 |
| Total Payroll Taxes | 18,454.77 |
| Salaries - Administrative | 152,076.91 |
| Salaries - Artistic | 86,022.42 |
| Total Salaries, Wages & Benefits | 259,360.56 |
| uncategorized | 186.94 |
| Total Expense | 414,101.84 |
| Net Ordinary Income | 41,871.27 |

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.L. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | FDOT Emergency Basecamp License Agreement | | |
| **Recommended Action** | Staff recommends approval of the license agreement with FDOT to establish a temporary basecamp location at the airport. | | |
| **Strategic Goal** | N/A | | |
| **Department Staff Contact** | Economic Development - Airport<br>Steven Lichliter, Airport Manager | | |


Summary

This is a Resolution to authorize the execution of a license agreement between the City of Ormond Beach and the Florida Department of Transportation (FDOT) to establish a temporary basecamp location at the Ormond Beach Municipal Airport to provide space, resources, facilities and other necessary supplies and provisions that may be needed to support human resources and vehicular resources necessary to respond to emergency events in Ormond Beach and the surrounding region. FDOT has a duty to the people of the State of Florida to respond in emergency situations with readiness, to ensure the safety of the traveling public. FDOT has identified the location of a suitable basecamp at the Ormond Beach Municipal Airport (OMN). OMN recognizes the need to aid FDOT in providing a swift response in the face of an emergency in order to safeguard the traveling public and is able to provide FDOT with a location for the above-mentioned basecamp without impacting normal airport operations.


Financial Impact

The proposed agreement will have no budgetary impact on the City or the Airport.

Citizen Impact

This agreement will have no impact upon the City's general population, other than to afford enhanced emergency response capabilities in the event of an emergency or disaster.

Attachments

1. 25-113 FDOT Basecamp License Agmt (P25-0082G)
2. Ormond Beach Airport License Agreement

**RESOLUTION NO. 2025-113**

A RESOLUTION AUTHORIZING THE EXECUTION OF A LICENSE AGREEMENT BETWEEN THE CITY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION REGARDING A TEMPORARY BASECAMP AT THE ORMOND BEACH MUNICIPAL AIRPORT; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City Commission desires to enter into a License Agreement with the Florida Department of Transportation (FDOT) to establish a temporary basecamp location at the Ormond Beach Municipal Airport for FDOT to utilize to support its emergency response team activities in the event of a declared state of emergency, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The Mayor and the City Manager are hereby authorized and directed to execute a License Agreement between the City of Ormond Beach and the Florida Department of Transportation to establish a temporary basecamp location for FDOT at the Ormond Beach Municipal Airport, a copy of said License Agreement being attached hereto and incorporated herein by reference.

**SECTION TWO.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

**JASON LESLIE**
Mayor

**ATTEST:**

**SUSAN CARROLL DAUDERIS**
City Clerk

**LICENSE AGREEMENT**
**BY AND BETWEEN**
**THE CITY OF ORMOND BEACH**
**AND**
**THE FLORIDA DEPARTMENT OF TRANSPORTATION**

This LICENSE AGREEMENT ("Agreement") is executed and effective this _____ day of _____, 2025 ("Effective Date"), by and between the City of Ormond Beach ("Authority"), and The Florida Department of Transportation, an executive agency of the State of Florida ("Licensee") and both Authority and Licensee together referred to as the "Parties."

**RECITALS:**

**WHEREAS,** the Authority owns and operates the Ormond Beach Municipal Airport, located in Volusia County, Florida; and

**WHEREAS,** Licensee is desirous of utilizing a location at Ormond Beach Municipal Airport to support its emergency response team activities in the event Licensee needs to mobilize during a declared state of emergency; and

**WHEREAS,** the Authority is amenable to licensing a portion of land at Ormond Beach Municipal Airport to Licensee as defined herein and, inasmuch as Licensee is a public entity, this Agreement is exempt from competition pursuant to Section 2.05(A)(10) of Authority's Procurement Code;

**NOW THEREFORE,** in consideration of the mutual covenants and agreements herein contained, Authority and Licensee do hereby acknowledge the above recitals as true, and mutually undertake and agree to the following terms and conditions:

**1. Premises:** Authority hereby licenses to Licensee use of approximately 11.3 acres of land as depicted on the attached Exhibit A ("Premises"). Licensee shall have exclusive rights to a portion of the Premises when in use for staging, fueling and/or other base camps functions. Authority will deliver said Premises in "AS IS" condition and Authority grants no warranties or representations, express or implied, with regard to such.

**2. Rights and Uses:** The Premises will be available and utilized by Licensee into response to a state of emergency declared by the Governor or the President for the limited purpose of establishing and operating base camp facilities. Base camp facilities, include, without limitation, sleeping quarters, dining facilities, meeting rooms, communications equipment, latrines, showers, hand-washing stations, vehicle parking and temporary storage of equipment, materials and tools utilized by Licensee's employees and contractors. No other uses of the Premises are permitted unless agreed to in writing by the Parties prior to said use. Authority will not be liable for Licensee's use of the Premises, authorized or otherwise, nor will Authority be liable for the suitability of the Premises for Licensee's intended and/or contemplated use thereof.

**3. Initial Term:** The term of this Agreement ("Term") shall be for one (1) year, beginning on the Effective Date.

**4. Renewal Options:** The Term of this Agreement may be renewed for up to four (4) additional one (1) year periods (each an "Additional Term") upon mutual agreement of both Parties by giving written notice to the other party at least 90 days in advance of the expiration of the Initial Term or any Additional Term.

Notwithstanding the foregoing, the Term of this agreement, including Additional Terms, shall not exceed five (5) years without formal approval of Authority's Board.

All reports and other correspondence should be addressed as indicated in the Article hereof entitled, "Notices and Communications."

**5. Notices and Communications:** All notices required or permitted hereunder shall be in writing and shall be served on the Parties at the addresses set forth below. Any such notices shall be either (a) sent by overnight delivery using a nationally recognized overnight courier, in which case notice shall be deemed delivered one business day after deposit with such courier, (b) sent by email, in which case notice shall be deemed delivered upon receipt of confirmation of transmission of such email notice, or (c) sent by personal delivery, in which case notice shall be deemed delivered upon receipt.

**To Authority:**

Address for written notices:

Airport Manager
Ormond Beach Municipal Airport
P.O. Box 277
Ormond Beach, FL 32175-0277

Addresses for email notices:

Steven.Lichliter@ormondbeach.org

using the subject line—Re: FDOT/Ormond Beach Municipal Airport and reason for the notice (e.g., emergency response, base camp mobilizing, request for improvements)

**To Licensee:**

Ronald J. Meade
District Emergency Management Coordinator
Florida Department of Transportation
719 S Woodland Blvd, Deland, FL 32720
ron.meade@dot.state.fl.us
andrew.jenkins@dot.state.fl.us

or to such other address as the addressee may designate in writing by notice to the other party delivered in accordance with the provisions of this Article.

**6. Obligations of Licensee:** Licensee shall:

A. Provide no less than 72-hour notice prior to occupying and using the Premises. In the event less than 72-hour notice is provided, Licensee must contact Airport Management for access accommodations.
B. Be responsible for maintaining the Premises and ensuring safe parking and storage conditions for its employees and subcontractors. Licensee, its employees, and subcontractors will abide by all security protocols and operating procedures directed by Authority.
C. Remove all vehicles, equipment, and materials upon termination of this Agreement or upon request from Authority.
D. Conduct its operation hereunder in a safe, orderly and proper manner, as to not disrupt other users and operations at the Airport.
E. Not commit any nuisance, waste, or damage to the Premises and shall not do or permit to be done anything that may result in the creation, commission, or maintenance of such nuisance, waste, it damage to the Premises.

Additionally, upon termination of this Agreement, Authority reserves the right to require the Licensee to return the Premises to its original condition, defined as the condition of the Premises prior to the use and occupancy by Licensee. including leveling and grading to ensure proper drainage, along with the application of grass seed or sod.

Upon termination or expiration of this Agreement, Authority reserves the right to remove and dispose of any and all vehicles, equipment, supplies, materials and/or other items abandoned by Licensee, at Licensee's expense, which expense will include but may not be limited to removal, clean-up and disposal fees and costs, as well as costs associated with the application of grass sod or seed. The Authority shall provide the Licensee with a minimum of ten (10) clays prior written notice identifying what vehicles, equipment, supplies, materials and/or other items it deems abandoned arid indicating its intent to remove and dispose of the same.

**7. Obligations of Authority:** Authority will provide a designated means of access to the Premises and will not unreasonably interfere with Licensee's use and enjoyment of the Premises.

**8. Authority's Rights:** Authority will not be liable for, or required to make, any repairs or perform any maintenance upon the Premises. Notwithstanding the foregoing, any and all requests for maintenance upon the Premises by Licensee must have prior written approval from the Authority.

**9. Leasehold Improvements:** Notwithstanding any requirements or obligations contained herein, Licensee will make no alterations or improvements to the Premises without the prior written consent of the Authority. Any improvements or alterations made by Licensee and approved by the Authority, either to the Premises or within the Airport, as required to support operations within the Premises. Any changes or additions to Licensee Improvements shall require further Authority review and approval.

**10. Compliance With Laws, Regulations, Ordinances, Rules:** Licensee will at all times comply with applicable federal, state, and local laws and regulations, Airport Rules and Regulations, Airport Minimum Standards, and the Authority Leasehold Development Standards and other mandates whether existing or as promulgated from time to time by the federal, state, or local government, Authority or Airport Management including but not limited to permitted and restricted activities, security matters, parking,

ingress and egress, environmental and storm water regulations, and any other operational matters related to the operation of the Airport. This will include but not be limited to Licensee precluding its employees, subcontractors, customers, or invitees from entering upon any restricted area of the Airport as noted in procedures, rules, or regulations of the federal, state, or local governments or the Authority.

**11. Hold Harmless/Indemnification:** Only to the extent permissible under applicable Florida Law, not to exceed the limitations of liability for tort actions set forth In §768.28, Florida Statutes, and subject to specific appropriation from the Legislature, Licensee will fully indemnify, defend, and hold Authority harmless from and against all claims or actions and all expenses incidental thereto based upon or arising out of the damages or injuries of every description whatsoever to persons or property due to the use by Licensee of the Premises under this Agreement excluding only the negligence or willful misconduct of Authority, its officers, agents, or employees. The undersigned on behalf of Licensee hereby waive any and all claims, causes of action, rights, or privileges it may have against the Authority resulting from the permitted use under this Agreement and access to the Premises excluding only the negligence or willful misconduct of the Authority, its officers, agents, or employees. The Parties are public entities existing under the laws of the State of Florida and are, therefore, protected by the provisions of Florida Statute 768.28 and related statutes. Any indemnification, attorneys' fees, or related obligations assigned hereunder are limited to the provisions of Florida Statute 768.28 and related statutes. Nothing in this Agreement will be deemed or otherwise interpreted as a waiver of either Party's sovereign immunity protections, or as increasing the limits of liability set forth in Florida Statute 768.28 and related statutes, as the same may be amended from time to time**.**

**12. Compliance with Environmental Laws:** Licensee will comply with all applicable Environmental Laws insofar as they relate to Licensee's operations at the Airport and Licensee accepts full responsibility and liability for such compliance.

**13. Environmental Representations:** The term "Hazardous Materials" will be defined to include any substance identified as "hazardous substances" in the Comprehensive Enforcement Response, Compensation and Liability Act of 1980, 42 U.S.C. Section 9601 et seq., as amended ("CERCLA") or identified as "hazardous waste" in the Resource Conservation and Recovery Act, 42 U.S. C. Section 6901 et seq., as amended ("RCRA") or other similar applicable federal or state laws and regulations (collectively, "Environmental Laws"), including but not limited to materials such as asbestos PCB's and urea-formaldehyde.

The term "Hazardous Waste" will be defined to include any substance identified as "hazardous waste" in 40 C.F.R. Parts 2260-265 and appendices, promulgated pursuant to the RCRA and Rule 62-730, Florida Administrative Code, as amended.

Notwithstanding any other provisions of this Agreement, and in addition to any and all other Agreement requirements, and any other covenants and warranties of Licensee. Licensee hereby expressly warrants, guarantees, and represents to Authority, upon which Authority expressly relies that:

A. Licensee is knowledgeable of any and all federal, state, regional, and local governmental laws, ordinances, regulations, orders, and rules, without limitation, which govern or which in any way apply to the direct or indirect results and impacts to the environmental and natural resources due to, or in any way resulting from, the conduct by Licensee of its operations pursuant to or upon the Premises. Licensee will keep informed of future changes in environmental laws.

B. Licensee will comply with all applicable federal, state, regional, and local laws, regulations, and ordinances protecting the environmental and natural resources and all rules and regulations promulgated or adapted as some may from time to time be amended and accepts full responsibility

and liability for such compliance.

C. Licensee will, prior to commencement of any such operations pursuant to this License, secure any and all permits, and properly make all necessary notifications as may be required by any and all governmental agencies having jurisdiction over parties or the subject matter hereof.

D. Licensee, its employees, agents, contractors, and all persons working for, or on behalf of Licensee, have been fully and properly trained in the handling and storage of all such hazardous waste materials and other pollutants and contaminants; and such training complies with any and all applicable federal, state, and local laws, ordinances, regulations, rulings, orders, and standards which are now or are hereinafter promulgated.

E. Licensee will neither handle nor store any toxic waste or unsuitable materials on the Premises.

F. Licensee will provide Authority satisfactory documentary evidence of all such requisite legal permits and notifications as hereinabove required.

G. Licensee will cooperate with any investigation, audit, or inquiry by Authority or any governmental agency regarding possible violation of any environmental law or regulation.

**14. Environmental Remediation:** With regard to any contamination caused by Licensee or arising by reason of Licensee's use or occupancy of the Premises, Licensee will immediately take such action as is necessary to cleanup and remediate the Premises at its own expense in accordance with applicable Environmental Laws. The remediation must continue until the Governmental Authorities with jurisdiction have determined that no further action is necessary; it being understood and agreed that Licensee will be obligated to clean up and remediate the Premises to achieve such standards or clean up levels as are reasonably required by the Authority for properties at the Airport. If the Authority is unable to lease the Premises during the period of clean up and remediation due to the environmental condition or clean-up work being performed, in addition to any other damages, Licensee will pay to Authority lost rent and/or costs associated with lost use of the Premises.

**15. Federal Storm Water Reputations:** Licensee acknowledges that certain properties and uses of properties within the Airport or on Authority owned land are subject to federal storm water regulations as set forth in 40 CFR Part 122. Licensee will observe and abide by said regulations as applicable to the Premises thereof.

Licensee will participate in any Authority-organized task force or other work group established to coordinate storm water activities at the Airport. In addition, Licensee will participate in Authority's Environmental Compliance Program and is subject to and agrees to periodic inspections conducted by Airport staff to monitor the management, handling, storage, and disposal practices associated with any vehicle, substances, hazardous substances, or waste materials.

Licensee will be strictly liable for, and hereby expressly assumes all responsibility for all citations, fines, environmental controls and monitoring, clean-up and disposal, restoration and corrective measures to the extent resulting from the improper use, handling, storage, or disposal of all pollutants or contaminated materials, as same are defined by law, by Licensee or by Licensee's employees, invitees, suppliers, or service providers regardless of whether or not a default notice has been issued and notwithstanding any other obligations imposed upon Licensee pursuant to the terms of this Agreement.

**16. Rights Reserved to Authority:** Rights not specifically granted to Licensee by this Agreement are expressly and independently reserved to Authority. Authority expressly reserves the right to prevent any use of the described Premises which would interfere with or adversely affect the operation or maintenance of the Airport and Authority's tenants, or otherwise constitute an Airport or general hazard.

*Signature Page Following*

Authority and Licensee agree to the terms and conditions contained herein. Each of the Parties hereto agrees that it will execute and file or record such documents and instruments and perform such acts as any party may from time-to-time reasonably request of the other or as may be necessary to effectuate the intents and purposes of this Agreement.

**Authority: City of Ormond Beach**

Signature: _____

Printed Name: Jason Leslie

Title: Mayor

**Attestor(s) for Authority:**

Signature: _____

Printed Name: Joyce Shanahan

Title: City Manager

Signature: _____

Printed Name: Ann-Margret Emery

Title: Deputy City Attorney

Approved as to Form for the Use and Reliance of the Ormond Beach Municipal Airport Authority only.

**Licensee: Florida Department of Transportation**

Signature: _____

Printed Name: Ronald J. Meade

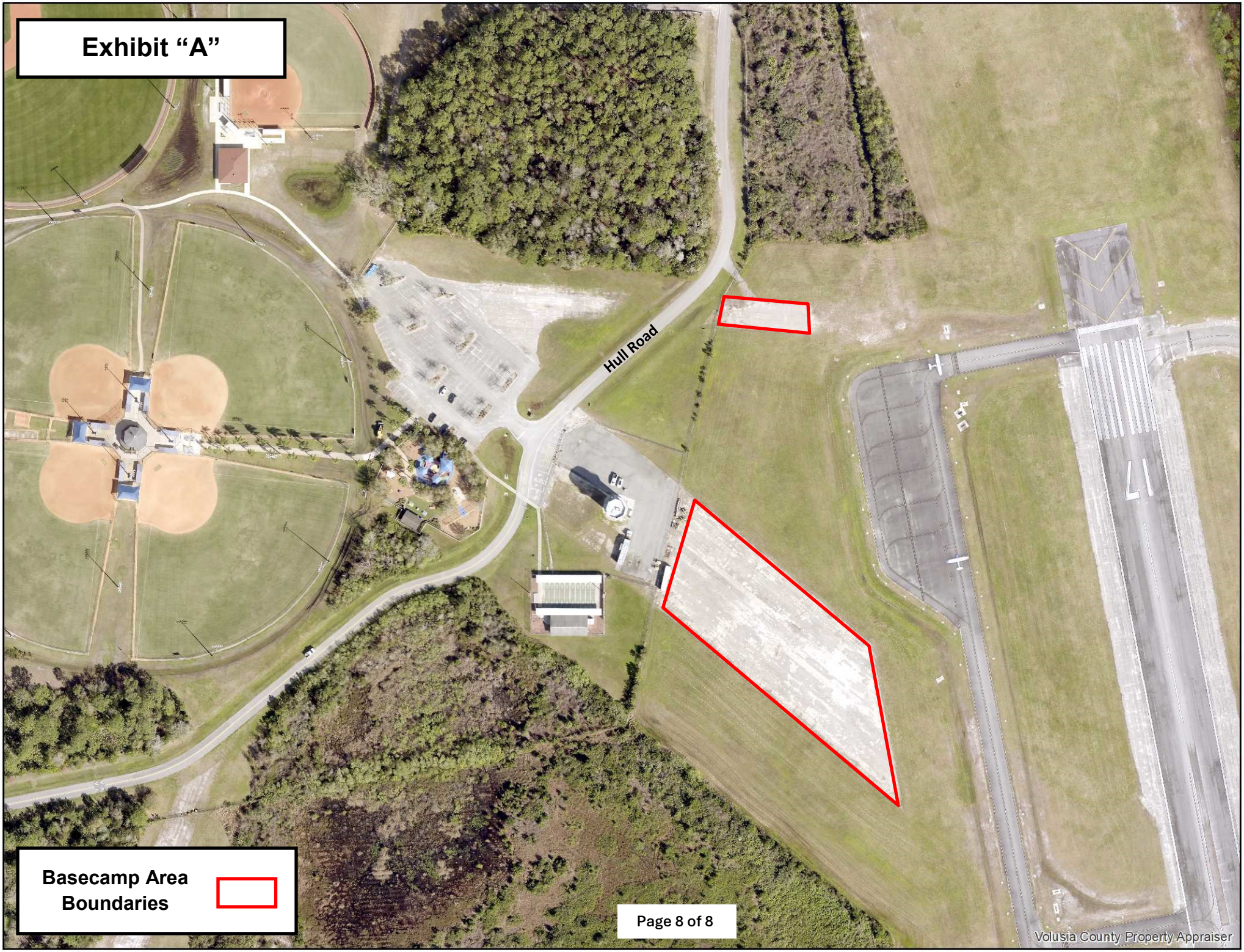
Title: District Emergency Coordination Officer (DECO)

**Attestor(s) for Licensee:**

Signature: _____

Printed Name: _____

Title: FDOT District Five Legal Review


Exhibit “A”
Hull Road
Basecamp Area Boundaries
Page 8 of 8
Volusia County Property Appraiser

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.M. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Bid Award - Laboratory Testing Services | | |
| **Recommended Action** | Staff recommends awarding the bid to Pace Analytical Services to provide the City with laboratory testing services. | | |
| **Strategic Goal** | Water Quality & the Environment - Other | | |
| **Department Staff Contact** | Public Works - Utilities Management<br>Bob Preis, Utilities Manager | | |


Summary

This item provides public notice of the City's intent to award a contract to Pace Analytical Services, Bid No. 2025-47, for the laboratory testing services.

Laboratory services are required to perform testing on groundwater, potable water, treated and untreated wastewater, and reclaimed water to verify compliance with the state and federal requirements outlined in the City's Florida Department of Environmental Protection (FDEP), Volusia County Health Department (VCHD), and Saint Johns River Water Management District (SJRWMD) permits. Monitoring and testing these parameters on a regular basis helps the City meet permitting requirements and assists with maintaining high standards of quality for the City's utility customers. This contract provides for testing beyond the capabilities of City staff and provides redundancy and backup to the City's testing abilities.

On June 18, 2025, bids were received and opened. Three companies submitted bids and the bids ranged from $130,759 to $80,376.25. The lowest responsible and responsive bidder for this project was Pace Analytical Services.


Financial Impact

Laboratory testing service fees are currently budgeted in Fund 401 - Water/Wastewater Operating fund. Approximately $80,000 is spent per year on testing services.

Citizen Impact

Proper monitoring and testing of water quality is essential for the City to meet permit obligations and to maintain standards for the City's utility customers.

Attachments

1. 25-114 Lab Svcs-Pace Analytical (P25-0084G )
2. Pace Analytical Services-water testing (P25-0084G)
3. 2025 Proposal Ormnond Beach 2025-47
4. Bid 2025-47 Addendum No 1 combine (3)
5. Bid 2025-47 Addendum No 2 (1)
6. BID 2025-47 signed bid tab

**RESOLUTION NO. 2025-114**

A RESOLUTION ACCEPTING A BID FROM PACE ANALYTICAL SERVICES, LLC FOR LABORATORY SERVICES REGARDING WATER SAMPLE TESTING AND LAB ANALYSIS, UNDER BID NO. 2025-47; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City advertised for bids (Bid No. 2025-47) for laboratory services regarding sample collection and testing of the City's groundwater, potable water, treated and untreated wastewater and reclaimed water ("the Project") pursuant to section 2-300, *Code of Ordinances*, and

**WHEREAS**, the City's professional staff have reviewed the bids received and have determined that the bid submitted by Pace Analytical Services, LLC in the amount of $80,376.25/year is the lowest responsible and responsive bid (a copy of the bid being incorporated in the contract which is attached hereto and incorporated herein by reference), and

**WHEREAS,** the City Manager has certified that the money for the payment of the Project is appropriated in the Water and Wastewater Fund (401), and

**WHEREAS,** the City Commission concurs with the foregoing recommendations, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The bid submitted by Pace Analytical Services, LLC to provide laboratory testing services in the amount of $80,376.25/year is hereby accepted.

**SECTION TWO.** All other bids relative to the aforedescribed Project shall be deemed rejected upon the execution of a contract with Pace Analytical Services, LLC.

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute a contract with Pace Analytical Services, LLC to provide the services for an initial one-year term at $80,376.25 plus four possible renewal periods of $80,376.25 per year for a total of $401,881.25 over a five-year period, and to pay the cost thereof from the Water and Wastewater Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# AGREEMENT

**THIS AGREEMENT** is made and entered into by and between the **City of Ormond Beach** ("City"), a Florida municipal corporation, 22 South Beach Street, Ormond Beach, Volusia County, Florida and **Pace Analytic Services, LLC** ("Contractor"), 8 East Tower Circle, Ormond Beach, FL 32174, and in consideration of the mutual promises and covenants herein contained, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the following:

1. **Scope of Work.** The Invitation to Bid ("Laboratory Testing Services" Bid No. 2025-47) attached hereto as Exhibit "A", is incorporated herein by reference and is a material part of this Agreement. The Contractor shall fully comply with the terms and conditions described in the attached exhibit.

2. **Term.** This Agreement shall be effective on the date it is fully executed by the parties and shall have an initial term of one year. This Agreement will be automatically renewed for four (4) additional one-year periods unless either party provides at least ninety (90) days written notice of their intent not to renew.

3. **Consideration.** Contractor shall provide the equipment and perform the services at the prices set forth on Exhibit "A". Contractor shall prepare and submit invoices to the City at the address set forth in Paragraph 9 of this Agreement. All such invoices shall be paid by the City within thirty (30) days.

4. **Delivery.** Contractor shall complete the project within the time frame set forth on Exhibit "A".

5. **Termination of Agreement**.
   (a) The City Commission shall have the right to terminate the Agreement in the event the Contractor files any petition or proceeding for bankruptcy relief, or is adjudicated to be bankrupt or insolvent, or fails to pay just debts as they ordinarily become due; or for a material breach of this agreement that remains uncured for at least thirty days after prior written receipt of a notice of violation of same.

   (b) This Agreement may not be terminated by the Contractor.

6. **Assignment**. The Contractor shall not assign, convey or transfer all or any part of this Agreement, or all or any part of Contractor's interest herein, or all or any part of any interest in the Contractor, without the prior written consent of the City Commission, which consent shall not be unreasonably withheld.

7. **Complete Agreement**. This Agreement, including the provisions set forth in the exhibit attached hereto and incorporated by reference herein, constitutes the entire and complete agreement of the parties, and the promises and covenants herein contained shall survive the life of this Agreement.

8. **Amendment to Agreement**. Any amendment, change, or modification of this Agreement must be in writing and fully executed by both parties.

9. **Notices**. All notices which are required by this Agreement shall be provided to the parties at the following addresses, or such other addresses as may be requested in writing by either party:

| | |
|---|---|
| **City of Ormond Beach**<br>Joyce Shanahan, City Manager<br>(copy to City Attorney)<br>22 South Beach Street<br>Ormond Beach, FL 32174 | **Pace Analytical Services, LLC**<br>Michael Valder, Sr. Account Exec.<br>8 East Tower Circle<br>Ormond Beach, FL 32174 |

10. **Sovereign Immunity**. The City expressly retains and reserves all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the City.

11. **Venue**. The terms and conditions of this Agreement shall be construed and enforced under the laws of the State of Florida. Any action or proceeding, either at law or in equity, regarding this Agreement shall be brought in the circuit court, Seventh Judicial Circuit in and for Volusia County, Florida. Venue in any other jurisdiction or forum, whether it be any other circuit, state or federal venue, is hereby expressly waived.

12. **Waiver of Conditions**. No waiver by the City of any condition or breach of performance by the Contractor shall constitute an irrevocable, continuing, or subsequent waiver by the City of the same condition or breach of performance, or of any other condition or other breach of performance.

13. **Severability**. If any part of this Agreement is declared to be unenforceable or void by a court of competent jurisdiction, the remaining parts of the Agreement shall remain in full force and effect as long as the services to be provided by the Contractor are not materially affected, altered or impaired as a result of said judicial declaration.

14. **Conflicting Provisions.** In the event of any conflict between the provisions of this Agreement and any exhibits, the provision most favorable to the City shall control and shall be given full force and effect.

15. **Indemnification**. The City, its agents, employees, and officials, both elected and appointed, shall be indemnified and held harmless by Contractor from any and all liabilities, claims, and causes of action which may arise out of the willful, negligent, or unlawful acts or omissions of the Contractor or its subcontractors in the performance of this Agreement, unless such claims are a result of the City's sole negligence, as determined by the final decision maker of such claim.

16. **Duty to Defend.** The Contractor shall defend all suits and administrative actions, including all appellate proceedings, brought against the City, its agents, employees, and officials, both elected and appointed and shall pay all attorneys' fees and costs associated with the City's legal defense, as may be selected by the City, arising from all claims and causes of action described in Section 15 above. Such payment on behalf of the City shall be in addition to any and all other legal or equitable remedies available to the City and shall not be considered to be the City's exclusive remedy.

17. **Contractor's Insurance**. The Contractor shall purchase and maintain for the entire life of this Agreement, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under this Agreement, whether such operations be by the Contractor, or by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

18. **Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract.

ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

19. **Requirements for Certificates of Insurance.**

(a) With the execution of this Agreement, the Contractor shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain a provision that the coverage under the policies will not be canceled, non-renewed or materially changed until at least **thirty (30)** days' prior written notice of such cancellation, non-renewal or change [except for nonpayment of premium, which shall be **ten (10)** days] has been given to the City. The Contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACCORD

FORM 25-S (7/90), or its successor form, and shall be made a part of this Agreement.

(b) New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

(c) If requested by the City, the Contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements.

(d) For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

(e) If the Contractor fails to obtain and maintain for the life of the Agreement the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City from the amount due the Contractor for the work covered by the Agreement.

(f) **Policies of Insurance**

1. Except as otherwise provided herein, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-) in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carriers; written confirmation is required.

3. All policies of insurance or certificates thereof referred to herein shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability and Automobile Liability policies of insurance and certificates thereof.

20. **Enforcement of Costs.** If any legal action or other proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default, or misrepresentation in connection with any provision of this Agreement, the successful or prevailing party or parties shall be entitled to recover reasonable attorneys' fees, court

costs, and all expenses even if not taxable court costs (including, without limitation, all such fees, costs and expenses incident to arbitration, appellate, bankruptcy, and post-judgment proceedings), incurred in that action or proceeding or any appeal, in addition to any other relief to which the party or parties may be entitled. Attorneys' fees include legal assistant fees, expert witness fees, investigative fees, administrative costs, and all other charges billed by the attorney for the prevailing party.

21. **Compliance With Laws.** Contractor shall comply with all applicable federal, state and local laws and regulations.

22. **Compliance With Florida Public Records Law**. Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32175. (386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

23. **Limitation of Remedy and Liability.** Contractor and Owner expressly waive any claim for consequential damages against the other including but not limited to, a waiver of claims for diminished bonding capacity, loss of financing, loss of business reputation, lost profits on other projects or other lost opportunity damage claims.

Contractor expressly agrees that any claim (tort, contract, claim in equity, or otherwise) by Contractor for damages against Owner shall not exceed the total amount of the contract price, less any amounts actually paid to the Contractor by the Owner.

24. **Waiver of Right to Jury Trial.** THE PARTIES HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT WHICH ANY PARTY MAY HAVE TO TRIAL BY JURY IN RESPECT OF ANY PROCEEDING, LITIGATION OR COUNTERCLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR ACTIONS OF ANY PARTY. IF THE SUBJECT MATTER OF ANY LAWSUIT IS ONE IN WHICH THE WAIVER OF JURY TRIAL IS PROHIBITED, NO PARTY TO THIS AGREEMENT SHALL PRESENT AS A NON-COMPULSORY COUNTERCLAIM IN ANY SUCH LAWSUIT ANY CLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT. FURTHERMORE, NO PARTY TO THIS AGREEMENT SHALL SEEK TO CONSOLIDATE ANY SUCH ACTION IN WHICH A JURY TRIAL CANNOT BE WAIVED.

25. **Verification of Employment Status Using E-Verify System**

(a) Section 448.09, *Florida Statutes*, makes it unlawful for any person to knowingly employ, hire, recruit, or refer, either for herself or himself, or on behalf of another, for private or public employment within the state, an alien who is not duly authorized to work in the United States. Contractor warrants that it is registered with the U.S. Department of Homeland Security's E-Verify system, and is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

(b) Contractor agrees that if the contractor enters into an agreement with a subcontractor, the subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and contractor warrants it shall maintain any such affidavits for the duration of the contract. If the City has a good faith belief that a subcontractor knowingly violated Section 448.09 (1), the City shall promptly notify the contractor and order the contractor to immediately terminate the contract with the subcontractor.

(c) In the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and as provided by statute, the contractor may not be awarded a public contract for at least one (1) year after the date of termination. The contractor may also be held liable for any additional costs incurred by the City as a result of the termination of the contract.

26. **No Conflict of Interest.** The Contractor warrants and agrees that neither it, nor any of its employees, agents, officers, directors, shareholders and independent contractors are, or will become, under contract with or accept compensation from any individual, business, corporation or governmental entity that has the possibility of an adverse interest to those of the City of Ormond Beach. The Contractor and its officers, directors, shareholders, employers, agents and subcontractors, agree not to provide any services or assistance to any entity directly or indirectly relating to the services provided to the City and to immediately notify the City Manager and City Attorney of any contact with any entity that has, or potentially has, a conflict of interest with the City of Ormond Beach. This provision shall be interpreted as broadly as possible to prevent any potential or actual conflict of interest presently or in the future by the Contractor.

27. **Effective Date**. This Agreement shall become effective upon the date last signed by the parties hereto.

IN WITNESS WHEREOF, the undersigned parties have caused this Agreement to be signed on the dates indicated hereinbelow.

DATED this _____ day of _____, 2025.

Witnesses:

**CITY OF ORMOND BEACH**

_____

Print Name: _____

By: _____
**JASON LESLIE**
Mayor

_____

Print Name: _____

By: _____
**JOYCE SHANAHAN**
City Manager

DATED this _____ day of _____, 2025.

Witnesses:

**PACE ANALYTICAL SERVICES, LLC**

_____

Print Name: _____

By: _____

Print Name: _____

Title: _____

_____

Print Name: _____

Attest: _____

Print Name: _____

Title: _____

**City of Ormond Beach**
**22 South Beach Street**
**Ormond Beach, Florida 32174**
**Telephone (386) 676-3223**

# INVITATION TO BID

## BIDDER ACKNOWLEDGEMENT FORM

**THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR BID**

**Bid Title: Laboratory Testing Services**

**Bid Number: 2025-47**

**Bid Opening Date & Time: 06/12/2025 @ 2:00 PM**

**Bid Opening Location: City Hall Training Room (breezeway)**

**Pre-Bid Meeting Date & Time: NA**

**Pre-Bid Meeting location: NA**

**Deadline for questions: 06/02/2025 @ 4:00 PM**

**Bids received after the above date and time will not be accepted.**

**Bidder's Name:** Pace Analytical Services, LLC

**Bidder's Mailing Address:** 8 East Tower Circle

**City, State, Zip Code:** Ormond Beach, FL 32174

**F.E.I.N:** 41-1821617

**Phone Number:** 386-672-5668 Office, cell 813-340-8100

**Email:** Mike.Valder@pacelabs.com

**If returning as "No Bid", please state the reason(s):**

I certify that this Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid for the same materials, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this Bid and certify that I am authorized to sign this Bid for the Bidder. In submitting a Bid to the City of Ormond Beach, the Bidder offers and agrees that if the Bid is accepted, the Bidder will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may

now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Bidder.

AUTHORIZED SIGNATURE

David Chaffman

NAME

Director of Sales

TITLE

06/13/25

DATE

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Bid on a contract to provide any goods or services to a public entity, may not submit a Bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit Bids on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS.** The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**NOTIFICATION OF BIDS AND RFP'S:** The City uses the services of DemandStar (www.demandstar.com) for notification of its Bids and RFP's on-line on the Internet. If you have received a copy of this Bid/RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the Bid/RFP or any related addendums.

**SUBMISSION OF BIDS:** All Bids shall be submitted in a sealed envelope. The Invitation to Bid (ITB) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope. The delivery of said Bid to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Bidder. Any Bid received by the Purchasing Office after the specified date and time will not be accepted. Bids must be submitted on forms provided by the City. No other forms will be accepted. Telephone, telefax and telegraph Bids will not be considered. No Bid may be modified after opening. **No Bid may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.**

**EXECUTION OF BID:** Bid must contain a manual signature of authorized representative in the space(s) provided. Bids must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Bidder to any Bid entry must be initialed. The company name and Federal

Employer Identification Number (F.E.I.N.) or Social Security (S.S.) number shall appear in the space(s) provided.

**BID OPENING:** Bids shall be opened and the name of the Bidders and the bid amounts shall be read publicly. Bid amounts announced at the bid opening are subject to change due to math errors made by Bidders

**BID TABULATION:** Any Bidder wishing to receive a copy of the Bid tabulation is required to enclose a stamped, self-addressed envelope with their Bid response. Bid opening tabulations will be posted on DemandStar.com.

**CLARIFICATION/CORRECTION OF BID ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Bid will be furnished in writing to all prospective Bidders. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**REGISTRATION AND RISK MANAGEMENT REQUIREMENTS:** Any Vendor delivering a product or Contractor doing work for the City of Ormond Beach, on City property shall be **registered** to do business in the City of Ormond Beach and shall provide **proof of**, abide by and maintain, for the entire life of the Contractual Agreement, including any and all approved time extensions, such **insurance** as is required by City ordinance, which shall be incorporated in and made part of the contract documents. A vendor using a common carrier is exempt from this requirement. This proof of insurance will be required prior to commencement of any **on-site** work. Refer to **Exhibit A** for the City's registration and risk management requirements.

**LICENSES AND PERMITS:** The vendor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, and Local laws, rules and regulations required to perform work in accordance with the specifications.

**LOCAL VENDOR PREFERENCE:** The City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded. A Local Vendor Affidavit of Eligibility shall accompany the bid submittal to be considered valid.

**PRICING:** Firm prices shall be proposed and include FOB DESTINATION, all packing, handling, shipping charges and delivery to any point within the City of Ormond Beach to a secure area or inside

delivery. Prices shall be valid for ninety (90) days from date of Bid opening. In the event there is a discrepancy between the unit price and the extended amount, the unit price will prevail.

**COST OF BID PREPARATION:** No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the Bid, proposal or presentation.

**EQUIPMENT:** Contractor shall own and have in good repair all equipment necessary to perform the described services in particular and the equipment necessary to complete related tasks. The City will not provide any equipment to do this work.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Bids containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes. The Contractor is responsible for paying any and all taxes associated with this agreement.

**DISCOUNTS:** All discounts EXCEPT THOSE FOR PROMPT PAYMENT shall be considered in determining the lowest net cost for Bid evaluation purposes. If a Bidder offers a discount, it is understood that the discount time will be computed from the date of satisfactory delivery, at the place of acceptance, and receipt of correct invoice, at the office specified, whichever occurs last.

**SILENCE OF SPECIFICATIONS:** The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Bid and the monies which may become due thereunder are <u>not</u> assignable except with the prior written approval of the City Manager or City Commission, whichever authorized the purchase.

**LIABILITY:** The vendor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the vendor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES:** The Bidder, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Bid prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**SAFETY WARRANTY:** The selling dealer, distributor, supplier, and manufacturer shall be responsible for compliance with all Federal, State and local laws, rules and regulations concerning the equipment and/or service specified and the use thereof, applicable and effective on the date of manufacture including safety and environmental standards as apply to both private industry and governmental agencies.

**WARRANTY:** The Bidder agrees that, unless otherwise specified, the services furnished under the Bid shall be covered by the most favorable commercial warranty for comparable services, and that the rights and remedies provided herein are in addition to and do not limit any rights afforded to the City of Ormond Beach by other provision of the Bid.

**AWARDS:** The City reserves the right, in its sole discretion, as the best interest of the City may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors or contractors; or to reject any and all Bids or waive any minor irregularity or technicality in the Bids received. The City is not bound to award any contract(s) based solely on lowest quoted price. The City also reserves the right to negotiate separately with competing bidders as deemed to be in the City's best interest.

**REJECTIONS RIGHTS:** The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this Bid including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this Bid at any time and to negotiate with any party prior to or after submittal of Bid.

**TERMINATION:** The City of Ormond Beach reserves the right to terminate any contract or agreement resulting from this BID at any time.

**PURCHASE ORDERS:** Purchase Orders will be issued for all purchases exceeding $2,500.00.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.

(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.

(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.

(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**

**22 SOUTH BEACH STREET**

**ORMOND BEACH, FLORIDA 32174**

**(386)677-0311**

**CITYCLERK@ORMONDBEACH.ORG**

**or online at**

**https://www.ormondbeach.org/prr**

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS, AND TO WAIVE INFORMALITIES, AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

**DEFINITIONS:**

**BIDDER** - The term used herein refers to any individual, company or other entity submitting a Bid to the CITY in response to an Invitation to Bid (ITB).

**CITY/OWNER** - The terms CITY or OWNER herein refers to the City of Ormond Beach, Florida, and its duly authorized representatives.

**CONTRACT MANAGER** - The term refers to the CITY representative(s) who will be acting on the CITY's part to manage all the Contract actions.

**FURNISH** - The terms "furnish", "furnish and install", "install", and "provide" or words with similar meaning shall be interpreted, unless otherwise specifically stated, to mean "furnish and install, complete in place and ready for service".

**PROJECT** - The total construction of which the Work to be provided under the Contract Documents may be the whole, or a part as indicated elsewhere in the Contract Documents.

**PROJECT MANUAL** - The term "Project Manual" includes Bid Requirements, General Conditions, Scope of Work, Specifications, Risk Management requirements and any associated attachments.

**SPECIFICATIONS** - The term refers to those portions of the Project Manual consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative details applicable thereto.

**SUPPLIER** - The term used herein refers to any individual, company or other entity supplying services pursuant to the terms, conditions, and quotations of a Bid or Proposal.

**VENDOR, CONTRACTOR, or VENDOR/CONTRACTOR** - The term(s) used herein refers to any individual, company, or other entity that is awarded a contract by the CITY, pursuant to the terms, conditions, and quotations of a bid/proposal.

**WORK** - The entire, completed job or the various separately identifiable parts thereof, required to be furnished under the Contract Documents. Work is the result of providing goods and/or services, furnishing labor and/or furnishing and incorporating materials and equipment into the construction, as required by the Contract Documents.

# City of Ormond Beach

## Laboratory Testing Services

## BID 2025-47

### VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Pace Analytical Services, LLC
COMPANY NAME

AUTHORIZED SIGNATURE

David Chaffman
NAME

Director of Sales
TITLE

06/13/25
DATE

# City of Ormond Beach

## Laboratory Testing Services

## BID 2025-47

## CITY OF ORMOND BEACH, FLORIDA

### CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
### LITIGATION STATEMENT

**1.**

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[X] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Pace Analytical Services, LLC

COMPANY NAME

AUTHORIZED SIGNATURE

David Chaffman

NAME (PRINT OR TYPE)

Director of Sales

TITLE

06/13/25

DATE

**CITY OF ORMOND BEACH**

**DRUG-FREE WORKPLACE CERTIFICATION**

**IDENTICAL OR "TIE" BID**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more Bids which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a Bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie Bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

Give each employee that engages in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) calendar days after such conviction.

Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Pace Analytical Services, LLC

COMPANY NAME

AUTHORIZED SIGNATURE

David Chaffman

NAME (PRINT OR TYPE)

06/13/25

DATE

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Director of Sales (Title) of Pace Analytical Services, LLC (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: 06/13, 20 25 Signed: _____

Entity: Pace Analytical Services, LLC. Name: David M. Chaffman

Title: Director of Sales

STATE OF: Florida COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 13th day of June, 20 25, by David M. Chaffman and who: ☒ Is personally known to me; or ☐ has produced personally known as identification.

Thomas P. Widera

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

Notary Public State of Florida
Thomas P Widera
My Commission HH 366446
Expires 2/26/2027

My commission expires: _____

***This document must be completed and returned with your Submittal***

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is David Chaffman. I am over the age of Twenty-one years old. I am the Director of Sales (Title) of Pace Analytical Services, LLC (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: 06/13, 2025

Signed: _____
Print Name: David M. Chaffman
Title: Director of Sales

SUBSCRIBED AND SWORN before me by means of [X] physical presence or [_] online notarization on the 13th day of June, 2025 by David M. Chaffman as Director of Sales on behalf of Pace Analytical Services, LLC. who is personally known to me or who has produced personally known as identification.

(Notary Seal)

Notary Public State of Florida
Thomas P Widera
My Commission HH 366446
Expires 2/28/2027

Notary Public, State of FLORIDA
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

LOCAL VENDOR PREFERENCE

The following is taken from the Code of Ordinances, City of Ormond Beach, Chapter 2, Financial Matters, Division 3, Purchasing, Article IX, Section 2-304:

Except where otherwise provided by federal or state law or other funding source restrictions, purchases of goods and services under the Purchasing Code shall give preference to local businesses as follows:

(a) Under a competitive bid solicitation, the City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded.

(b) A *local business* shall mean a vendor that has a valid occupational license issued by the City of Ormond Beach at least one year prior to bid opening, with a physical business address located within the municipal boundaries of the City of Ormond Beach from which the vendor operates or performs business on a day-to-day basis that is a substantial component of the goods or services being offered and has provided a Local Vendor Affidavit of Eligibility at the time the bid is submitted.

(c) A *Local Vendor Affidavit of Eligibility* shall accompany the bid submittal to be considered valid and shall include, but not be limited to, the following information:

(1) A physical business and location address;

(2) A copy of current City of Ormond Beach Local Business Tax Receipt (occupational license) to verify the business location;

(3) Proof of payment of business tax and real property tax due to the City of Ormond Beach;

(4) A copy of the firm's most recent annual corporation report to the Florida Division of Corporations;

(5) Any additional information necessary to verify local status.

(d) *Exemptions:* Goods or services provided under a cooperative purchasing agreement, contracts for professional services subject to Consultants' Competitive Negotiation Act, purchases or contracts funded in whole or part by a governmental entity that does not allow local preferences, purchases made under another agency's agreements or contracts (piggybacking), purchases under emergency or sole source situations and procurements subject to formal proposals including but not limited to request for proposals (RFP) or continuing contract, and request for quotes (RFQ) versus straight competitive bids.

(e) This section shall not be deemed to require the granting of a local preference, and nothing herein prohibits the award of a contract to a non-local vendor where such award is in the public interest.

## Local Vendor Affidavit of Eligibility

I certify that my company meets all of the following qualifications to be eligible for the local vendor preference:

a. My company has a physical business address located within the municipal boundaries of the City of Ormond Beach which is used to perform business on a day-to-day basis.
b. My company holds any business (occupational) or contractor license required by the City of Ormond Beach at least one year prior to bid opening.
c. Payment of business tax and real property tax due to the City of Ormond Beach is current
d. My company is in compliance with annual reporting to the Florida Division of Corporations

Company Name: Pace Analytical Services, LLC

Address: 8 East Tower Circle, Ormond Beach, FL 32174

Business or Contractor License Number: NA

Phone Number: 772-349-7965 Fax Number: _____

Owner's Name: David M. Chaffman Signature: _____

Sworn to before me this 13th day of June 2025

Notary Public State of Florida
Thomas P Widera
My Commission HH 366446
Expires 2/26/2027

Notary Public for the State of Florida My Commission Expires _____

Notary Public Signature: Thomas P. Widera Printed Name: THOMAS P. WIDERA

**To be approved as a local bidder and receive bid preference on an eligible local project, this affidavit of eligibility, a copy of your local business or contractor license, copy of business tax/real property tax and a copy of the firm's most recent annual corporation report must be submitted with your bonafide BID package. Bid preference is provided at the City's sole discretion.**

**VENDOR DO NOT COMPLETE BELOW**

To be verified and completed by an authorized representative of the City of Ormond Beach's Purchasing Department:

**Vendor Certified by:** _____ **Date:** _____

## EXHIBIT "A"

**A. Payment and Performance Bonds**

1. Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

2. **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

   **(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

      **i.** Unless the City Manager, or designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

      **ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

3. The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

4. The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

5. The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

6. The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

7. In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

8. In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

9. The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

10. The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

### 2. Payment on Behalf of City

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph.

Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

### 3. Loss Control/Safety

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary.

The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

### 4. Service Bond

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences.

Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

### 1. General

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

### 2. Types of Insurance and Limits of Liability

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

(a) Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident

$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence

$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract.

ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

**D. Requirements for Certificates of Insurance**

1. With the execution of the Contract Documents, the Contractor, including service-related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

2. New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

3. If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

4. For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

5. If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

**E. Policies of Insurance**

1. Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

3. All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

## REGISTRATION REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

**Registration Requirements**

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:

Copy of City Business Tax Receipt (where your business is located).

Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

**State Certified/Registered Contractors**

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

BIDDER has examined the site and locality where the Work is to be performed, when applicable, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS BID IS SUBMITTED BY:

COMPANY NAME: Pace Analytical Services, LLC

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 8 East Tower Circle, Ormond Beach, FL 32174

PHONE NO.: 386-672-5668 EMAIL: David.Chaffman@pacelabs.com

SUBMITTER'S NAME: David Chaffman
(Typed or Printed in Ink)

TITLE: Director of Sales

**AUTHORIZED SIGNATURE:** I, _____ hereby
(Original Signature)

declare that I have read and fully understand the Invitation to Bid, including the General Conditions, Specifications and Drawings (when applicable) and that I am duly authorized to sign and submit this bid.

The CITY reserves the right to reject any and all bids, to waive informalities, and to accept any bid or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

# City of Ormond Beach

## Laboratory Testing Services

## Bid 2025-47

**GENERAL INSTRUCTIONS:**

**Bid Delivery:** Submit one (1) signed and unbound original of the complete Bid packet and one (1) electronic file in pdf format, with all required attachments, by the closing date and time. Deliver Bids to:

Rob Hart
Purchasing Coordinator
Ormond Beach City Hall
Room 101
22 South Beach Street
Ormond Beach, Florida 32174

**Make sure the bid number is clearly visible on the outside of the delivery package. Bids delivered after the time and date specified will not be accepted.** For any question regarding bid delivery contact the purchasing office at 386-676-3223 or email rob.hart@ormondbeach.org

**Technical Questions:** Submit all technical questions regarding this Bid to the City's Purchasing Coordinator, Rob Hart, by e-mailing rob.hart@ormondbeach.org.

**TERM OF AGREEMENT:**

The initial term of this Agreement shall be for a period of **one (1) year** and will be automatically renewed for **four (4) additional one (1) year** periods unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the Agreement.

**COST ADJUSTMENTS:**

No later than June 1, of each contract year, the Contractor may petition the City through the Contract Manager for a rate adjustment to reflect the change in the cost of doing business, as measured by fluctuations in the Consumer Price Index (CPI), All Urban Customers, published by the U.S. Department of Labor, Bureau of Labor Statistics, for the preceding July 1-June 30 period. The maximum increase for any annual period shall be four (4%) percent which will only apply to the future year, increases will not be retroactive. The adjusted rate, if approved shall take effect on October 1, of the year in which approved.

# City of Ormond Beach

## Laboratory Testing Services

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## SCOPE OF WORK:

### GENERAL

The City of Ormond Beach invites qualified laboratories to submit Bid for an annual contract for Laboratory Testing Services. The successful contractor will be required to provide not less than 90% of the analyses noted in the Bid. **Lab results provided in this contract must be from a laboratory certified by the State of Florida.**

### 1. Minimum Requirements for the Contract Laboratory

Interested laboratories are requested to specifically meet or exceed the following minimum specifications:

a. The cost of all sample containers, paperwork, coolers, shipping kits, and preservatives will be included in the cost of the sample analysis.

b. The Contract Laboratory will pay shipping charges to and from designated City pickup locations. A local contact shall be designated for pickup of samples if requested.

c. The Contract Laboratory shall be required to provide pickup of samples 7 days per week with a minimum of 8 hours of advance notification from the City. There shall be no additional charge for meeting these requirements.

d. The Contract Laboratory shall be available a minimum of 7 days per week.

e. The report delivery times for routine parameter testing must not exceed 14 calendar days. Electronic reporting in PDF or any similar format is acceptable for meeting this turn-around requirement. Hard copies of reports are to be provided upon request for wastewater test results in addition to electronic reports. Water test results will require hard copies and electronic copies. Exceptions would be granted for those analytes that require more than 14 calendar days for the analyses to be completed.

f. Report formats are to be in a standard lab format that meets NELAC requirements. In addition, special report formats include EPA, Florida Department of Environmental Protection, and Volusia County Health Department formats. The laboratory may be asked to also furnish copies of raw data records sheets, result calculations, etc. for any samples submitted. All reports are to include a copy of the Chain-of-Custody (COC) form submitted with the samples. The laboratory and any of its subcontractors must participate in EPA's Annual DMR-QA studies and report required analytes corresponding to the Ormond Beach water reclamation facility (WRF).

g. The City of Ormond Beach is to be notified prior to sending any parameter to any subcontract laboratory. It is the intent of the City that all analysis be performed by the contract laboratory to the maximum extent feasible. PERCENTAGE OF SUBCONTRACTED WORK MAY NOT EXCEED TEN PERCENT (10%) of the samples **(the 10% limit refers to the number of samples, not to the cost per sample)**.

h. All analytical methods used for analysis will be state and EPA approved methodologies as specified in NELAC requirements. These methodologies can be, but are not limited to "Standard Methods", "Manual for the Certification of Laboratories Analyzing Drinking Water", "Test Methods for the Evaluation of Solid Waste (SE-846)", "EPA POTW Sludge Sampling and Analysis Guidance Document", and Radiochemical methodologies as stated in Federal Register 40 CFR 141. Methodologies used and the MDL must be accepted by the regulatory agency requiring the samples. Oil and Grease must be analyzed using the Hexane Extraction Method.

i. A specific person shall be designated for contact with the City of Ormond Beach for consultation services either by phone or in person, if necessary.

j. Laboratory personnel must be qualified in giving testimony, depositions or court appearances if requested by the City.

k. The laboratory will have the capability to analyze samples with the following matrices: potable water, reclaimed water, wastewater, groundwater, surface water and liquid/cake biosolids.

l. At a minimum, all analytical runs of the City of Ormond Beach samples will be required to include QC checks on 10% of the samples analyzed. The QC checks must meet the stricter of method, and/or NELAC quality assurance criteria. The QC generated will be submitted with the sample report. Contract laboratory QC will be monitored using these reports as well.

m. The laboratory shall have no service contracts that were cancelled in the previous five years due to failure to provide accurate testing results.

n. The City of Ormond Beach and its staff reserve the right to visit the Contract Laboratory for a tour of the facility, both prior to the award and during the duration of the contract. Prior to visiting the Laboratory facility, the City shall provide no less than 4 days, but no more than 7 days, advance notice to the facility.

In the event the Laboratory fails to comply with the reporting and analytical requirements set forth herein, the City of Ormond Beach shall issue to the Laboratory a written warning describing such failure. Should the Laboratory's noncompliance continue for four (4) consecutive weeks, with written warnings, the City of Ormond Beach will have the option to deduct from the invoice of reports not meeting the requirement an amount equal to 10% of the invoice total. If non-compliance with the 14 calendar day turn-around time continues for eight (8) consecutive weeks, with written warnings, the City of Ormond Beach will have the option to deduct from the invoice of reports an amount equal to 20% of the invoice total. Persistent and repeated failure of the

laboratory to comply with this 14 calendar day turn-around time in any 3 month interval may be interpreted as default for the purposes of this section.

**2. Bid Requirements/Information to be Provided with Bidder's Submission**

a. Copies of current State, NELAP, and EPA certifications or other documentation that firmly establishes, to the satisfaction of the City, the certification status of the laboratory for all listed parameters must be submitted with your Bid.

b. A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs listed be shall be firm for the duration of the contract.

c. One (1) copy of the laboratory NELAC compliant "Quality Manual" shall be provided with your Bid.

d. A statement indicating the percentage of work to be subcontracted. Additionally, the statement shall also confirm that the laboratory has sufficient staffing to assume the responsibility for the testing to be performed on behalf of the City of Ormond Beach.

e. The results from the most recent previous two WP/WA/NELAC Proficiency Testing studies are to be included in your submittal.

f. Copies of the last two FDOH laboratory assessments with corrective actions taken are to be included in your submittal.

g. A description of the laboratory and its relevant prior experience, specifically as related to governmental agencies.

h. A list of four references who shall confirm instances of comparable testing performed for governmental entities. If these cannot be provided, please explain.

i. The name and resume, including employment history with the Company, of the **senior staff** individuals who will perform the testing. If the successful provider subcontracts work under this contract, the same information will be provided for the subcontract laboratory.

j. Documentation which establishes the length of time in business in the State of Florida (at least four (4) years required).

k. Laboratories with service contracts cancelled within the previous five years due to failure to provide accurate testing results are not eligible to bid.

Subcontract labs, if any, shall be required to submit information in items "a - c" and "e - g."

# City of Ormond Beach
## LABORATORY TESTING SERVICES
## Bid No. 2025-47

The BIDDER will fill in the MDL listed on the bid sheets and complete the Work, as described herein, for the following price(s):

### Reuse Effluent Analysis

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| Primary & Secondary Drinking Water Standards, including: 504.1,508.1 | Various | WW | 3 | $ 1,196.76 | $ 3,590.25 |
| 515.3, 524.2,Hg,As,Ba,Cd,Cr,Cu, | | | | | |
| Fe, Mn,Ag,Na,Zn,An,Pb,Se,Cl,F,NO3, | | | | | |
| SO4,MBAS,pH,TDS,Radium | | | | | |
| 226/228,Gross Alpha | | | | SEE PERMIT | |
| | | | | | |
| **Effluent Analysis Subtotal** | | | | $ 3,590.25 | |

### Industrial Pre Treatment

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn | 200.7 | WW | See MDL/PQL sheet provided in bid | 5 | $ 47.50 | $ 237.50 |
| Cyanide | 335.3 | WW | See MDL/PQL sheet provided in bid | 5 | $ 18.00 | $ 90.00 |
| Mercury | 1631E | WW | See MDL/PQL sheet provided in bid | 5 | $ 59.00 | $ 295.00 |
| TSS | 160.1 | WW | See MDL/PQL sheet provided in bid | 5 | $ 9.00 | $ 45.00 |
| BOD | 405.1 | WW | See MDL/PQL sheet provided in bid | 5 | $ 16.00 | $ 80.00 |
| TTO (including:624,625,608) | Various | WW | See MDL/PQL sheet provided in bid | 5 | $ 245.00 | $ 1,225.00 |
| | | | | | | |
| **Pre Treatment Subtotal** | | | | | $ 1,972.50 | |

# Wastewater

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Priority Pollutants for Effluent and Influent | Various | WW | See MDL/PQL sheet provided in bid | 2 | $442.00 | $ 884.00 |
| (including: 608, 624, 625, Cyanide, phenolics, Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, Se,Ag,Tl,Zn, Oil & Grease | SEE PERMIT | | | | | |
| 503 Sludge | Various | WW | See MDL/PQL sheet provided in bid | 4 | $ 140.00 | $ 560.00 |
| Cryptosporidium and Giardia | 1623 | WW | See MDL/PQL sheet provided in bid | 1 | $ 865.00 | $ 865.00 |
| Acute Bioassay | EPA 821-R-02-012 (FW acute) (2000.0) | WW | See MDL/PQL sheet provided in bid | 2 | $ 3,560.00 | $ 7,120.00 |
| Low Level Mercury | 1631E | WW | See MDL/PQL sheet provided in bid | 2 | $ 59.00 | $ 118.00 |
| Sampling Disposal Fee for Mercury | | WW | See MDL/PQL sheet provided in bid | 2 | $ 9.00 | $ 18.00 |
| Nickel | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Copper | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Dichlorobromomethane | 524.2 | WW | See MDL/PQL sheet provided in bid | 12 | $ 29.00 | $ 348.00 |
| Zinc | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Sodium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Magnesium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Calcium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Chloride | 300.0 | WW | See MDL/PQL sheet provided in bid | 52 | $ 8.00 | $ 416.00 |
| TDS | 2540C | WW | See MDL/PQL sheet provided in bid | 52 | $ 10.00 | $ 520.00 |
| Fluoride | 300.0 | WW | See MDL/PQL sheet provided in bid | 52 | $ 8.00 | $ 416.00 |
| CBOD | SM5210B | WW | See MDL/PQL sheet provided in bid | 540 | $ 16.00 | $ 8,640.00 |
| TSS | 2540D | WW | See MDL/PQL sheet provided in bid | 644 | $ 9.00 | $ 5,796.00 |
| TKN | 351.2 | WW | See MDL/PQL sheet provided in bid | 540 | $ 15.00 | $ 8,100.00 |
| NOX | 353.2 | WW | See MDL/PQL sheet provided in bid | 260 | $ 8.00 | $ 2,080.00 |
| TP | 365.4 | WW | See MDL/PQL sheet provided in bid | 520 | $ 14.00 | $ 7,280.00 |
| Enterococci | Enterolert/Quant-tray | WW | See MDL/PQL sheet provided in bid | 260 | $ 8.00 | $ 2,080.00 |
| Fecal Coliform | SM9222D | WW | See MDL/PQL sheet provided in bid | 365 | $ 8.00 | $ 2,920.00 |
| Fecal Coliform Additional Costs for Weekend Work | | WW | See MDL/PQL sheet provided in bid | 104 | $ 70.00 | $ 7,280.00 |
| | | | | | | |
| **Wastewater Subtotal** | | | | | $ 56,353.00 | |

## Biosolids

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| 503.13 Sludge Rule (including: | Various | sludge | 4 | $ 140.00 | $ 560.00 |
| Hg,As,Cd,Cr,Cu,Pb,Mo,Ni,K,Se, | | | | | |
| Zn,pH,Total Nitrogen and | | | | | |
| Phosphorus) | | | | | |
| | | | | | |
| **Biosolids Subtotal** | | | | $ 560.00 | |

## Groundwater Monitoring

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Sodium | 6010 | GW | See MDL/PQL sheet provided in bid | 28 | $ 4.75 | $ 133.00 |
| TDS | 160.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 10.00 | $ 280.00 |
| Fecal | SM9222D | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| Turbidity | 180.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| pH | 150.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 6.00 | $ 168.00 |
| Cl | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| Nitrates | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| SO4 | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| TTHM | 524.2 | GW | See MDL/PQL sheet provided in bid | 28 | $ 29.00 | $ 812.00 |
| Bis (2-ethylhexyl) phthalate | 525 | GW | See MDL/PQL sheet provided in bid | 28 | $ 105.00 | $ 2,940.00 |
| | | | | | | |
| **Groundwater Subtotal** | | | | | $ 5,453.00 | |

# Water

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Fluoride | 300.0 | W | See MDL/PQL sheet provided in bid | 12 | $ 8.00 | $ 96.00 |
| HAA5 | 522.1 | W | See MDL/PQL sheet provided in bid | 4 | $ 54.00 | $ 216.00 |
| Lead and Copper | 200.8 | W | See MDL/PQL sheet provided in bid | 37 | $ 14.00 | $ 518.00 |
| Nitrate/Nitrite | 300.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 8.00 | $ 8.00 |
| Nitrite | 300.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 8.00 | $ 8.00 |
| Ortho-phosphorous | 300.0 | W | See MDL/PQL sheet provided in bid | 12 | $ 14.50 | $ 174.00 |
| pH | 150.1 | W | See MDL/PQL sheet provided in bid | 2 | $ 6.00 | $ 12.00 |
| Total Coliforms | SM9223B or SM9222B | W | See MDL/PQL sheet provided in bid | 900 | $ 8.00 | $ 7,200.00 |
| Total Cyanide | 335.3/9012 | W | See MDL/PQL sheet provided in bid | 1 | $ 18.00 | $ 18.00 |
| Total Organic Carbon | SM5310B | W | See MDL/PQL sheet provided in bid | 50 | $ 16.00 | $ 800.00 |
| Thallium | 200.9 | W | See MDL/PQL sheet provided in bid | 1 | $ 4.75 | $ 4.75 |
| TTHM | 524.2 | W | See MDL/PQL sheet provided in bid | 6 | $ 29.00 | $ 174.00 |
| Gross Alpha | 900.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 38.00 | $ 38.00 |
| Radium 226 | 903.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 79.00 | $ 79.00 |
| Radium 228 | 903.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 79.00 | $ 79.00 |
| Endothall | 548.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 65.00 | $ 65.00 |
| Glyphosate | 547 | W | See MDL/PQL sheet provided in bid | 1 | $ 65.00 | $ 65.00 |
| Dioxin | 1613 | W | See MDL/PQL sheet provided in bid | 1 | $ 195.00 | $ 195.00 |
| **Analyte Groups / Calculations** | | | | | | |
| Primary Inorganics | various | W | See MDL/PQL sheet provided in bid | 1 | $ 106.25 | $ 106.25 |
| Secondary Inorganics | various | W | See MDL/PQL sheet provided in bid | 1 | $ 120.50 | $ 120.50 |
| Regulated SOCs | various | W | See MDL/PQL sheet provided in bid | 1 | $ 748.00 | $ 748.00 |
| Regulated VOCs | various | W | See MDL/PQL sheet provided in bid | 1 | $ 55.00 | $ 55.00 |
| Mercury | 7471 | W | See MDL/PQL sheet provided in bid | 1 | $ 16.00 | $ 16.00 |
| Dissolved Oxygen | 360.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 16.00 | $ 16.00 |
| | | | | | | |
| **Water Subtotal** | | | | | $ 10,811.50 | |

## Consumptive Use Permit Samples

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Calcium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Magnesium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Sodium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Potassium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Iron | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Chlorides | 300.0 | W | See MDL/PQL sheet provided in bid | 61 | $ 8.00 | $ 488.00 |
| Sulfate | 300.0 | W | See MDL/PQL sheet provided in bid | 16 | $ 8.00 | $ 128.00 |
| Total Dissolved Solids | 160.1 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Conductivity | 120.1 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Alkalinity Bicarbonate | SM2320 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Alkalinity Carbonate | SM2320 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| | | | | | | |
| **CUP Water Subtotal** | | | | | $ 1,636.00 | |

Occasionally it may be necessary to receive sample results before the normal turn around time. Insert the proposed rush charges in the following matrix as a percentage surcharge over the normal contract price.

| Turnaround Time | Rush Surcharges |
|---|---|
| **6-7 Working Days** | 1.1X |
| **5 Working Days** | 1.25X |
| **4 Working Days** | 1.5X |
| **3 Working Days** | 1.75X |
| **1-2 Working Days** | 2.5X |

The bid basis for the contract award is the sum of the individual parameters.

**TOTAL BID FOR CONTRACT** $ 80,376.25 (Figures)

Eighty Thousand three hundred seventy six dollars and twenty five cents

**(Words)**












ITB 2025-47, Laboratory Testing Services

**City of Ormond Beach**

Due June 18, 2025 @2:00 PM

Pace Analytical Services, LLC
Michael F. Valder
8 Eastr Tower Circle
Ormond Beach, FL 32174
813-340-8100
Mike.Valder@pacelabs.com



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**A. Florida Certifications for Pace**

**B. Price List and List of MDL/PQL**

**C. Quality Manual**

**D. Statement of the amount of sub lab work, and staffing discussion**

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**F. Last two FDOH Laboratory Assessments and corrective actions**

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**H. References**

**I. Resumes of key staff**

**J. Length of business in the State of Florida**

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**M. City of Ormond Beach Bid Forms**

## A. Florida Certifications for Pace

The Reminder of this page is left intentionally blank.



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E83079

PACE ANALYTICAL SERVICES, LLC - ORMOND BEACH FL
8 EAST TOWER CIRCLE
ORMOND BEACH, FL 32174

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - GROUP III UNREGULATED CONTAMINANTS, DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - RADIOCHEMISTRY, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS, BIOLOGICAL TISSUE - METALS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: April 18, 2025 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E83079-100-04/18/2025
Supersedes all previously issued certificates

# *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5160 | 1,1,1-Trichloroethane | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5165 | 1,1,2-Trichloroethane | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4630 | 1,1-Dichloroethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4640 | 1,1-Dichloroethylene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4670 | 1,1-Dichloropropene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5180 | 1,2,3-Trichloropropane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 504.1 | 10082801 | Synthetic Organic Contaminants | 1/8/2002 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 504.1 | 10082801 | Synthetic Organic Contaminants | 1/8/2002 |
| 4610 | 1,2-Dichlorobenzene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4635 | 1,2-Dichloroethane | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4655 | 1,2-Dichloropropane | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4615 | 1,3-Dichlorobenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4660 | 1,3-Dichloropropane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4620 | 1,4-Dichlorobenzene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 522 | 10088570 | Group III Unregulated Contaminants | 1/17/2014 |
| 9490 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 9490 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6948 | 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6946 | 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6947 | 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 4665 | 2,2-Dichloropropane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 12/10/2020 |
| 8655 | 2,4,5-T | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 10/14/2004 |
| 8545 | 2,4-D | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 5/11/2004 |
| 8560 | 2,4-DB | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 10/14/2004 |
| 4535 | 2-Chlorotoluene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 7710 | 3-Hydroxycarbofuran | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 6951 | 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6951 | 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 4540 | 4-Chlorotoluene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 6952 | 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6952 | 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 4315 | Acetone | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/3/2012 |
| 8505 | Acifluorfen | EPA 515.3 | 10088401 | Group I Unregulated Contaminants | 5/11/2004 |
| 7005 | Alachlor | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 7010 | Aldicarb (Temik) | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 7015 | Aldicarb sulfone | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 7020 | Aldicarb sulfoxide | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 7025 | Aldrin | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 1505 | Alkalinity as CaCO3 | SM 2320 B-2011 | 20045618 | Primary Inorganic Contaminants | 7/15/2022 |
| 7240 | alpha-Chlordane | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 1000 | Aluminum | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1000 | Aluminum | EPA 200.8 | 10014605 | Secondary Inorganic Contaminants | 5/11/2004 |
| 1005 | Antimony | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 505 | 10083406 | Group I Unregulated Contaminants | 4/14/2020 |
| 1010 | Arsenic | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 7065 | Atrazine | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 1015 | Barium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1015 | Barium | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 8530 | Bentazon | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 10/14/2004 |
| 4375 | Benzene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 5580 | Benzo(a)pyrene | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 1020 | Beryllium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1020 | Beryllium | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 1535 | Bromate | EPA 300.1 | 10275602 | Primary Inorganic Contaminants | 5/11/2004 |
| 1540 | Bromide | EPA 300.0 | 10053200 | Primary Inorganic Contaminants | 1/8/2002 |
| 1540 | Bromide | EPA 300.1 | 10275602 | Primary Inorganic Contaminants | 5/11/2004 |

## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9312 | Bromoacetic acid | EPA 552.3 | 10239608 | Group I Unregulated Contaminants | 7/1/2016 |
| 4385 | Bromobenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 9315 | Bromochloroacetic acid | EPA 552.3 | 10239608 | Group I Unregulated Contaminants | 7/1/2016 |
| 4390 | Bromochloromethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4395 | Bromodichloromethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants,Other Regulated Contaminants | 1/8/2002 |
| 4400 | Bromoform | EPA 524.2 | 10088809 | Group II Unregulated Contaminants,Other Regulated Contaminants | 1/8/2002 |
| 7160 | Butachlor | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 8/13/2021 |
| 1030 | Cadmium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1030 | Cadmium | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 1035 | Calcium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 7195 | Carbaryl (Sevin) | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 7205 | Carbofuran (Furadan) | EPA 531.2 | 10091302 | Synthetic Organic Contaminants | 4/26/2018 |
| 4455 | Carbon tetrachloride | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 1570 | Chlorate | EPA 300.1 | 10275602 | Primary Inorganic Contaminants | 5/11/2004 |
| 7250 | Chlordane (tech.) | EPA 505 | 10083406 | Synthetic Organic Contaminants | 4/14/2020 |
| 1575 | Chloride | EPA 300.0 | 10053200 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1580 | Chlorine | SM 4500-Cl D | 20080006 | Primary Inorganic Contaminants | 8/3/2022 |
| 1590 | Chlorine dioxide, res. disinfectant | SM 4500-ClO2 D | 20088602 | Primary Inorganic Contaminants | 10/14/2004 |
| 1595 | Chlorite | EPA 300.1 | 10275602 | Primary Inorganic Contaminants | 5/11/2004 |
| 9336 | Chloroacetic acid | EPA 552.3 | 10239608 | Group I Unregulated Contaminants | 7/1/2016 |
| 4475 | Chlorobenzene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4485 | Chloroethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4505 | Chloroform | EPA 524.2 | 10088809 | Other Regulated Contaminants,Group II Unregulated Contaminants | 1/8/2002 |
| 1040 | Chromium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1040 | Chromium | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 1045 | Chromium VI | EPA 218.6 | 10028009 | Secondary Inorganic Contaminants | 12/12/2012 |
| 1045 | Chromium VI | EPA 218.7 | 10268414 | Primary Inorganic Contaminants | 12/12/2012 |
| 4645 | cis-1,2-Dichloroethylene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4680 | cis-1,3-Dichloropropene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 4/26/2018 |
| 1050 | Cobalt | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 12/12/2012 |
| 1605 | Color | SM 2120 B-2011 | 20039310 | Secondary Inorganic Contaminants | 7/15/2022 |
| 1610 | Conductivity | SM 2510 B-2011 | 20048617 | Primary Inorganic Contaminants | 7/15/2022 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

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**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1055 | Copper | EPA 200.7 | 10013806 | Primary Inorganic Contaminants,Secondary Inorganic Contaminants | 1/8/2002 |
| 1055 | Copper | EPA 200.8 | 10014605 | Primary Inorganic Contaminants,Secondary Inorganic Contaminants | 5/11/2004 |
| 1620 | Corrosivity (langlier index) | SM 2330 B | 20003207 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1635 | Cyanide | EPA 335.4 | 10061402 | Primary Inorganic Contaminants | 1/8/2002 |
| 8555 | Dalapon | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 5/11/2004 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 6062 | Di(2-ethylhexyl)adipate | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 5/21/2020 |
| 9357 | Dibromoacetic acid | EPA 552.3 | 10239608 | Group I Unregulated Contaminants | 7/1/2016 |
| 4575 | Dibromochloromethane | EPA 524.2 | 10088809 | Other Regulated Contaminants,Group II Unregulated Contaminants | 1/8/2002 |
| 4595 | Dibromomethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 8595 | Dicamba | EPA 515.3 | 10088401 | Group I Unregulated Contaminants | 5/11/2004 |
| 9360 | Dichloroacetic acid | EPA 552.3 | 10239608 | Group I Unregulated Contaminants | 7/1/2016 |
| 4625 | Dichlorodifluoromethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 8605 | Dichloroprop (Dichlorprop) | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 10/14/2004 |
| 7470 | Dieldrin | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 8620 | Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 5/11/2004 |
| 9390 | Diquat | EPA 549.2 | 10093400 | Synthetic Organic Contaminants | 1/8/2002 |
| 1710 | Dissolved organic carbon (DOC) | SM 5310 B | 20137819 | Primary Inorganic Contaminants | 1/3/2012 |
| 7525 | Endothall | EPA 548.1 | 10092805 | Synthetic Organic Contaminants | 1/8/2002 |
| 7540 | Endrin | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 2525 | Escherichia coli | COLISURE | 60029609 | Microbiology | 11/1/2011 |
| 2525 | Escherichia coli | SM 9223 B | 20037676 | Microbiology | 11/1/2011 |
| 4765 | Ethylbenzene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 1730 | Fluoride | EPA 300.0 | 10053200 | Primary Inorganic Contaminants,Secondary Inorganic Contaminants | 1/8/2002 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 7245 | gamma-Chlordane | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 9411 | Glyphosate | EPA 547 | 10092009 | Synthetic Organic Contaminants | 1/8/2002 |
| 1750 | Hardness | SM 2340 B-2011 | 20046611 | Secondary Inorganic Contaminants | 7/15/2022 |
| 1760 | Hardness (calc.) | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 8/14/2006 |
| 7685 | Heptachlor | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 7690 | Heptachlor epoxide | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2555 | Heterotrophic plate count | SIMPLATE | 60032602 | Microbiology | 3/15/2013 |
| 6275 | Hexachlorobenzene | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 4835 | Hexachlorobutadiene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 6285 | Hexachlorocyclopentadiene | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 9460 | Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 9460 | Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 1070 | Iron | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 1/8/2002 |
| 4900 | Isopropylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 1075 | Lead | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 5240 | m+p-Xylenes | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/3/2012 |
| 1085 | Magnesium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1090 | Manganese | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1090 | Manganese | EPA 200.8 | 10014605 | Secondary Inorganic Contaminants | 5/11/2004 |
| 1095 | Mercury | EPA 245.1 | 10036609 | Primary Inorganic Contaminants | 1/8/2002 |
| 7800 | Methiocarb (Mesurol) | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 7805 | Methomyl (Lannate) | EPA 531.2 | 10091302 | Group I Unregulated Contaminants | 4/26/2018 |
| 7810 | Methoxychlor | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 4950 | Methyl bromide (Bromomethane) | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4960 | Methyl chloride (Chloromethane) | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4975 | Methylene chloride | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 7835 | Metolachlor | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 7845 | Metribuzin | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 7875 | Molinate | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 5005 | Naphthalene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4435 | n-Butylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 4846 | N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 1105 | Nickel | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1105 | Nickel | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 1805 | Nitrate | EPA 300.0 | 10053200 | Primary Inorganic Contaminants | 1/8/2002 |
| 1805 | Nitrate | EPA 353.2 | 10067604 | Primary Inorganic Contaminants | 1/8/2002 |
| 1835 | Nitrite | EPA 300.0 | 10053200 | Primary Inorganic Contaminants | 1/8/2002 |
| 1835 | Nitrite | EPA 353.2 | 10067604 | Primary Inorganic Contaminants | 1/8/2002 |
| 4847 | N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6956 | Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 5090 | n-Propylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 1855 | Odor | SM 2150 B | 20043805 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1870 | Orthophosphate as P | EPA 300.0 | 10053200 | Primary Inorganic Contaminants | 1/8/2002 |
| 1870 | Orthophosphate as P | EPA 365.1 | 10070005 | Primary Inorganic Contaminants | 1/8/2002 |
| 7940 | Oxamyl | EPA 531.2 | 10091302 | Synthetic Organic Contaminants | 4/26/2018 |
| 5250 | o-Xylene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/3/2012 |
| 9528 | Paraquat | EPA 549.2 | 10093400 | Synthetic Organic Contaminants | 3/10/2010 |
| 8872 | PCB Screen as AROCLORS | EPA 505 | 10083406 | Synthetic Organic Contaminants | 4/14/2020 |
| 6605 | Pentachlorophenol | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 5/11/2004 |
| 6957 | Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6965 | Perfluoro-3-methoxypropanoic Acid (PFMPA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6966 | Perfluoro-4-methoxybutanoic Acid (PFMBA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6911 | Perfluorobutane Sulfonate (PFBS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6911 | Perfluorobutane Sulfonate (PFBS) | EPA 537 | 10091675 | Group III Unregulated Contaminants | 7/1/2016 |
| 6918 | Perfluorobutane Sulfonic Acid (PFBS) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6919 | Perfluorobutanoate (PFBA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6921 | Perfluorodecanoate (PFDA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6905 | Perfluorodecanoic Acid (PFDA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6924 | Perfluorododecanoate (PFDoA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6903 | Perfluorododecanoic Acid (PFDoA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6925 | Perfluoroheptane Sulfonate (PFHpS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6926 | Perfluoroheptanoate (PFHpA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6926 | Perfluoroheptanoate (PFHpA) | EPA 537 | 10091675 | Group III Unregulated Contaminants | 7/1/2016 |
| 6908 | Perfluoroheptanoic Acid (PFHpA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | EPA 537 | 10091675 | Group III Unregulated Contaminants | 7/1/2016 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6928 | Perfluorohexanoate (PFHxA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6913 | Perfluorohexanoic Acid (PFHxA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6930 | Perfluorononanoate (PFNA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6930 | Perfluorononanoate (PFNA) | EPA 537 | 10091675 | Group III Unregulated Contaminants | 7/1/2016 |
| 6906 | Perfluorononanoic Acid (PFNA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6909 | Perfluoro-octane Sulfonate (PFOS) | EPA 537 | 10091675 | Group III Unregulated Contaminants | 7/1/2016 |
| 6931 | Perfluorooctane sulfonic acid (PFOS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |







## *Laboratory Scope of Accreditation*

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**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6931 | Perfluorooctane sulfonic acid (PFOS) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6932 | Perfluoro-octanoate (PFOA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6932 | Perfluoro-octanoate (PFOA) | EPA 537 | 10091675 | Group III Unregulated Contaminants | 7/1/2016 |
| 6912 | Perfluorooctanoic Acid (PFOA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6934 | Perfluoropentane Sulfonic Acid (PFPeS) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6935 | Perfluoropentanoate (PFPeA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6902 | Perfluorotetradecanoic acid (PFTDA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 6944 | Perfluoroundecanoate (PFUnDA) | EPA 533 | 10091619 | Group III Unregulated Contaminants | 8/13/2021 |
| 6904 | Perfluoroundecanoic acid (PFUnDA) | EPA 537.1 (Rev. 2) | 10091595 | Group III Unregulated Contaminants | 2/4/2025 |
| 1900 | pH | SM 4500-H+ B-2011 | 20105220 | Secondary Inorganic Contaminants | 7/15/2022 |
| 8645 | Picloram | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 5/11/2004 |
| 4910 | p-Isopropyltoluene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 1125 | Potassium | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 10/18/2004 |
| 8045 | Propachlor (Ramrod) | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 1955 | Residue-filterable (TDS) | SM 2540 C-2015 | 20050435 | Secondary Inorganic Contaminants | 7/15/2022 |
| 4440 | sec-Butylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 1140 | Selenium | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 1990 | Silica as SiO2 | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 12/12/2012 |
| 1150 | Silver | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1150 | Silver | EPA 200.8 | 10014605 | Secondary Inorganic Contaminants | 5/11/2004 |
| 8650 | Silvex (2,4,5-TP) | EPA 515.3 | 10088401 | Synthetic Organic Contaminants | 5/11/2004 |
| 8125 | Simazine | EPA 525.3 | 10287500 | Synthetic Organic Contaminants | 4/14/2020 |
| 1155 | Sodium | EPA 200.7 | 10013806 | Primary Inorganic Contaminants | 1/8/2002 |
| 1160 | Strontium | PACE SOP S-FL-M-004 / ICP-MS | 60044919 | Secondary Inorganic Contaminants | 12/12/2012 |
| 5100 | Styrene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 2000 | Sulfate | EPA 300.0 | 10053200 | Primary Inorganic Contaminants,Secondary Inorganic Contaminants | 1/8/2002 |
| 2025 | Surfactants - MBAS | SM 5540 C-2011 | 20145066 | Secondary Inorganic Contaminants | 7/15/2022 |
| 4445 | tert-Butylbenzene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 1165 | Thallium | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 5/11/2004 |
| 5140 | Toluene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 2500 | Total coliforms | COLISURE | 60029609 | Microbiology | 11/1/2011 |
| 2500 | Total coliforms | SM 9223 B | 20037676 | Microbiology | 11/1/2011 |
| 9414 | Total haloacetic acids (HAA5) | EPA 552.3 | 10239608 | Synthetic Organic Contaminants | 7/1/2016 |

## *Laboratory Scope of Accreditation*



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**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1825 | Total nitrate-nitrite | EPA 300.0 | 10053200 | Primary Inorganic Contaminants | 1/8/2002 |
| 1825 | Total nitrate-nitrite | EPA 353.2 | 10067604 | Primary Inorganic Contaminants | 1/8/2002 |
| 2040 | Total organic carbon | SM 5310 B-2014 | 20137831 | Primary Inorganic Contaminants | 7/15/2022 |
| 5205 | Total trihalomethanes | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 505 | 10083406 | Synthetic Organic Contaminants | 4/14/2020 |
| 4700 | trans-1,2-Dichloroethylene | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 4685 | trans-1,3-Dichloropropene | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 9642 | Trichloroacetic acid | EPA 552.3 | 10239608 | Group I Unregulated Contaminants | 7/1/2016 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 5175 | Trichlorofluoromethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 1/8/2002 |
| 8295 | Trifluralin (Treflan) | EPA 525.3 | 10287500 | Group I Unregulated Contaminants | 4/14/2020 |
| 2055 | Turbidity | EPA 180.1 | 10011800 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1184 | Uranium (mass) | EPA 200.8 | 10014605 | Radiochemistry | 12/12/2012 |
| 5235 | Vinyl chloride | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 5260 | Xylene (total) | EPA 524.2 | 10088809 | Other Regulated Contaminants | 1/8/2002 |
| 1190 | Zinc | EPA 200.7 | 10013806 | Secondary Inorganic Contaminants | 1/8/2002 |
| 1190 | Zinc | EPA 200.8 | 10014605 | Secondary Inorganic Contaminants | 5/11/2004 |

## *Laboratory Scope of Accreditation*



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**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5160 | 1,1,1-Trichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5165 | 1,1,2-Trichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4630 | 1,1-Dichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4630 | 1,1-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4640 | 1,1-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4640 | 1,1-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4670 | 1,1-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5182 | 1,2,3-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 504.1 | 10082801 | Volatile Organics | 1/3/2012 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8011 | 10173009 | Volatile Organics | 7/1/2003 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 504.1 | 10082801 | Volatile Organics | 1/3/2012 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8011 | 10173009 | Volatile Organics | 7/1/2003 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4635 | 1,2-Dichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4635 | 1,2-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4655 | 1,2-Dichloropropane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4655 | 1,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6155 | 1,2-Dinitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |

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**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6220 | 1,2-Diphenylhydrazine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6411 | 1,2-Diphenylhydrazine (as Azobenzene) | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4660 | 1,3-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6160 | 1,3-Dinitrobenzene (1,3-DNB) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 522 | 10088570 | Volatile Organics | 1/17/2014 |
| 9490 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6380 | 1-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4665 | 2,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6835 | 2,4,5-Trichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6835 | 2,4,5-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6840 | 2,4,6-Trichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6840 | 2,4,6-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6000 | 2,4-Dichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6000 | 2,4-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6130 | 2,4-Dimethylphenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6130 | 2,4-Dimethylphenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6175 | 2,4-Dinitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6175 | 2,4-Dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5795 | 2-Chloronaphthalene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5795 | 2-Chloronaphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5800 | 2-Chlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5800 | 2-Chlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4535 | 2-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4860 | 2-Hexanone | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6385 | 2-Methylnaphthalene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6460 | 2-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6490 | 2-Nitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6490 | 2-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6465 | 3-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 7355 | 4,4'-DDD | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7360 | 4,4'-DDE | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7365 | 4,4'-DDT | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 6951 | 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5700 | 4-Chloro-3-methylphenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5700 | 4-Chloro-3-methylphenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5745 | 4-Chloroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5825 | 4-Chlorophenyl phenylether | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5825 | 4-Chlorophenyl phenylether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4540 | 4-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6470 | 4-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6500 | 4-Nitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6500 | 4-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6952 | 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 5500 | Acenaphthene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5505 | Acenaphthylene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4315 | Acetone | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4315 | Acetone | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4320 | Acetonitrile | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4325 | Acrolein (Propenal) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4325 | Acrolein (Propenal) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4340 | Acrylonitrile | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4340 | Acrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7025 | Aldrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1505 | Alkalinity as CaCO3 | SM 2320 B-2011 | 20045618 | General Chemistry | 7/15/2022 |
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7240 | alpha-Chlordane | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 4/14/2020 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 6700 | alpha-Terpineol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 1000 | Aluminum | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1000 | Aluminum | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1000 | Aluminum | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1000 | Aluminum | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1515 | Ammonia as N | EPA 350.1 | 10063602 | General Chemistry | 1/8/2002 |
| 5545 | Aniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5555 | Anthracene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1005 | Antimony | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1005 | Antimony | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1005 | Antimony | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1005 | Antimony | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1010 | Arsenic | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1010 | Arsenic | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1010 | Arsenic | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1010 | Arsenic | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1015 | Barium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1015 | Barium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1015 | Barium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1015 | Barium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 4375 | Benzene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4375 | Benzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5595 | Benzidine | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5595 | Benzidine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5575 | Benzo(a)anthracene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5580 | Benzo(a)pyrene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5585 | Benzo(b)fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5590 | Benzo(g,h,i)perylene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5600 | Benzo(k)fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5610 | Benzoic acid | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5630 | Benzyl alcohol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1020 | Beryllium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1020 | Beryllium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1020 | Beryllium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1020 | Beryllium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1530 | Biochemical oxygen demand | SM 5210 B-2016 | 20135039 | General Chemistry | 7/15/2022 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5765 | bis(2-Chloroethyl) ether | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5765 | bis(2-Chloroethyl) ether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1025 | Boron | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1025 | Boron | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1535 | Bromate | EPA 300.1 | 10275602 | General Chemistry | 12/12/2012 |
| 1540 | Bromide | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1540 | Bromide | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 4385 | Bromobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4390 | Bromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4395 | Bromodichloromethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4395 | Bromodichloromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4400 | Bromoform | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4400 | Bromoform | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5670 | Butyl benzyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5670 | Butyl benzyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1030 | Cadmium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1030 | Cadmium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1030 | Cadmium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1030 | Cadmium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1035 | Calcium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5680 | Carbazole | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4450 | Carbon disulfide | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4455 | Carbon tetrachloride | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4455 | Carbon tetrachloride | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1555 | Carbonaceous BOD (CBOD) | SM 5210 B-2016 | 20135039 | General Chemistry | 7/15/2022 |
| 1565 | Chemical oxygen demand | EPA 410.4 | 10077404 | General Chemistry | 1/8/2002 |
| 1570 | Chlorate | EPA 300.1 | 10275602 | General Chemistry | 12/12/2012 |
| 7250 | Chlordane (tech.) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7250 | Chlordane (tech.) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1575 | Chloride | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1575 | Chloride | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1595 | Chlorite | EPA 300.1 | 10275602 | General Chemistry | 12/12/2012 |
| 4475 | Chlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4475 | Chlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4485 | Chloroethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4485 | Chloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4505 | Chloroform | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4505 | Chloroform | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 9345 | Chlorophylls | SM 10200 H | 20300225 | General Chemistry | 1/8/2002 |
| 4525 | Chloroprene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1040 | Chromium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1040 | Chromium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1040 | Chromium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1040 | Chromium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1045 | Chromium VI | EPA 218.6 | 10028009 | General Chemistry | 1/17/2014 |
| 5855 | Chrysene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4645 | cis-1,2-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 8/13/2021 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4680 | cis-1,3-Dichloropropene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1050 | Cobalt | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1050 | Cobalt | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1050 | Cobalt | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1050 | Cobalt | EPA 6020B | 10156420 | Metals | 1/17/2023 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1605 | Color | SM 2120 B-2011 | 20039310 | General Chemistry | 7/15/2022 |
| 1610 | Conductivity | SM 2510 B-2011 | 20048617 | General Chemistry | 7/15/2022 |
| 1055 | Copper | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1055 | Copper | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1055 | Copper | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1055 | Copper | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1620 | Corrosivity (langlier index) | SM 2330 B | 20003207 | General Chemistry | 1/8/2002 |
| 1635 | Cyanide | EPA 335.4 | 10061402 | General Chemistry | 1/8/2002 |
| 7105 | delta-BHC | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5895 | Dibenz(a,h)anthracene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5905 | Dibenzofuran | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5905 | Dibenzofuran | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4575 | Dibromochloromethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4575 | Dibromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4595 | Dibromomethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4625 | Dichlorodifluoromethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4625 | Dichlorodifluoromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7470 | Dieldrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 4725 | Diethyl ether | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6070 | Diethyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6070 | Diethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 9375 | Di-isopropylether (DIPE) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6135 | Dimethyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6135 | Dimethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5925 | Di-n-butyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5925 | Di-n-butyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6200 | Di-n-octyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6200 | Di-n-octyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 7510 | Endosulfan I | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7515 | Endosulfan II | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7520 | Endosulfan sulfate | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7540 | Endrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7530 | Endrin aldehyde | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 2520 | Enterococci | ENTEROLERT / QUANTI-TRAY | 60030208 | Microbiology | 7/1/2016 |
| 2525 | Escherichia coli | SM 9223 B-2016 (Colilert QT) | 20037701 | Microbiology | 7/15/2022 |
| 4810 | Ethyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4765 | Ethylbenzene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4765 | Ethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 2530 | Fecal coliforms | COLILERT®-18 (Fecal Coliforms) | 60002688 | Microbiology | 7/1/2016 |
| 2530 | Fecal coliforms | SM 9222 D-2015 | 20210020 | Microbiology | 7/15/2022 |
| 6265 | Fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6270 | Fluorene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1730 | Fluoride | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1730 | Fluoride | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7245 | gamma-Chlordane | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 4/14/2020 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1750 | Hardness | SM 2340 B-2011 | 20046611 | General Chemistry | 7/15/2022 |
| 7685 | Heptachlor | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7690 | Heptachlor epoxide | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 6275 | Hexachlorobenzene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6275 | Hexachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4835 | Hexachlorobutadiene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 4835 | Hexachlorobutadiene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |







## *Laboratory Scope of Accreditation*

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**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4835 | Hexachlorobutadiene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6285 | Hexachlorocyclopentadiene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6285 | Hexachlorocyclopentadiene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4840 | Hexachloroethane | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 4840 | Hexachloroethane | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 9460 | Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1070 | Iron | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1070 | Iron | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1070 | Iron | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6320 | Isophorone | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6320 | Isophorone | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4900 | Isopropylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1795 | Kjeldahl nitrogen - total | EPA 351.2 | 10065404 | General Chemistry | 1/8/2002 |
| 1075 | Lead | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1075 | Lead | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1075 | Lead | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1075 | Lead | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1080 | Lithium | EPA 200.7 | 10013806 | Metals | 7/1/2016 |
| 5240 | m+p-Xylenes | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5240 | m+p-Xylenes | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1085 | Magnesium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1085 | Magnesium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1090 | Manganese | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1090 | Manganese | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1090 | Manganese | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1090 | Manganese | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1095 | Mercury | EPA 245.1 | 10036609 | Metals | 1/8/2002 |
| 1095 | Mercury | EPA 7470A | 10165807 | Metals | 1/17/2023 |
| 4925 | Methacrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7810 | Methoxychlor | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 4/14/2020 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |







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**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4950 | Methyl bromide (Bromomethane) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4960 | Methyl chloride (Chloromethane) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4990 | Methyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4965 | Methylcyclohexane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4975 | Methylene chloride | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4975 | Methylene chloride | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7870 | Mirex | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1100 | Molybdenum | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1100 | Molybdenum | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1100 | Molybdenum | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1100 | Molybdenum | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5005 | Naphthalene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5005 | Naphthalene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4435 | n-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4846 | N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 1105 | Nickel | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1105 | Nickel | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1105 | Nickel | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1105 | Nickel | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1805 | Nitrate | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1810 | Nitrate as N | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1810 | Nitrate as N | EPA 353.2 | 10067604 | General Chemistry | 1/8/2002 |
| 1820 | Nitrate-nitrite | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1820 | Nitrate-nitrite | EPA 353.2 | 10067604 | General Chemistry | 1/8/2002 |
| 1835 | Nitrite | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1840 | Nitrite as N | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1840 | Nitrite as N | EPA 353.2 | 10067604 | General Chemistry | 1/8/2002 |
| 5015 | Nitrobenzene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 5015 | Nitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4847 | N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6530 | n-Nitrosodimethylamine | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6530 | n-Nitrosodimethylamine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6535 | n-Nitrosodiphenylamine | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6535 | n-Nitrosodiphenylamine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5090 | n-Propylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1865 | Organic nitrogen | TKN minus AMMONIA | 60034437 | General Chemistry | 1/3/2012 |
| 1870 | Orthophosphate as P | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 1870 | Orthophosphate as P | EPA 365.1 | 10070005 | General Chemistry | 1/8/2002 |
| 1870 | Orthophosphate as P | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 5250 | o-Xylene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5250 | o-Xylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5035 | Pentachloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6605 | Pentachlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6605 | Pentachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6911 | Perfluorobutane Sulfonate (PFBS) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6921 | Perfluorodecanoate (PFDA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6924 | Perfluorododecanoate (PFDoA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6926 | Perfluoroheptanoate (PFHpA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6928 | Perfluorohexanoate (PFHxA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6930 | Perfluorononanoate (PFNA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6931 | Perfluorooctane sulfonic acid (PFOS) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |







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**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6932 | Perfluoro-octanoate (PFOA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6902 | Perfluorotetradecanoic acid (PFTDA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 6944 | Perfluoroundecanoate (PFUnDA) | PACE SOP ENV-SOP-ORB1-0080 / LC-MS-MS | 60044908 | Extractable Organics | 4/14/2020 |
| 1900 | pH | EPA 9040C | 10244403 | General Chemistry | 1/17/2023 |
| 1900 | pH | SM 4500-H+ B-2011 | 20105220 | General Chemistry | 7/15/2022 |
| 6615 | Phenanthrene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6625 | Phenol | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6625 | Phenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1910 | Phosphorus, total | EPA 365.3 | 10070801 | General Chemistry | 12/4/2007 |
| 1910 | Phosphorus, total | EPA 365.4 | 10071202 | General Chemistry | 1/8/2002 |
| 4910 | p-Isopropyltoluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1125 | Potassium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1125 | Potassium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5080 | Propionitrile (Ethyl cyanide) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6665 | Pyrene | EPA 625.1 | 10300024 | Extractable Organics | 4/10/2025 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5095 | Pyridine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1955 | Residue-filterable (TDS) | SM 2540 C-2015 | 20050435 | General Chemistry | 7/15/2022 |
| 1960 | Residue-nonfilterable (TSS) | SM 2540 D-2015 | 20051223 | General Chemistry | 7/15/2022 |
| 1950 | Residue-total | SM 2540 B-2015 | 20049438 | General Chemistry | 7/15/2022 |
| 4440 | sec-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1140 | Selenium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1140 | Selenium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1140 | Selenium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1140 | Selenium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1990 | Silica as SiO2 | EPA 200.7 | 10013806 | Metals | 1/3/2012 |
| 1990 | Silica as SiO2 | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1145 | Silicon | EPA 200.7 | 10013806 | Metals | 1/3/2012 |
| 1145 | Silicon | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1150 | Silver | EPA 200.7 | 10013806 | Metals | 1/8/2002 |

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**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1150 | Silver | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1150 | Silver | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1150 | Silver | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1155 | Sodium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1155 | Sodium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1160 | Strontium | EPA 200.7 | 10013806 | Metals | 10/14/2004 |
| 1160 | Strontium | EPA 200.8 | 10014605 | Metals | 12/12/2012 |
| 1160 | Strontium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5100 | Styrene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 2000 | Sulfate | EPA 300.0 | 10053200 | General Chemistry | 1/8/2002 |
| 2000 | Sulfate | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 2005 | Sulfide | SM 4500-$S2^-$ F-2011 | 20126663 | General Chemistry | 7/15/2022 |
| 2017 | Sulfur | EPA 200.7 | 10013806 | Metals | 7/1/2016 |
| 2017 | Sulfur | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 2025 | Surfactants - MBAS | SM 5540 C-2011 | 20145066 | General Chemistry | 7/15/2022 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4445 | tert-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1165 | Thallium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1165 | Thallium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1165 | Thallium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1175 | Tin | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1175 | Tin | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1180 | Titanium | EPA 200.7 | 10013806 | Metals | 1/3/2012 |
| 1180 | Titanium | EPA 200.8 | 10014605 | Metals | 5/21/2020 |
| 1180 | Titanium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5140 | Toluene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5140 | Toluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 2500 | Total coliforms | SM 9222 B-2015 | 20208439 | Microbiology | 7/15/2022 |
| 2500 | Total coliforms | SM 9223 B-2016 (Colilert QT) | 20037701 | Microbiology | 7/15/2022 |
| 1645 | Total cyanide | EPA 9012B | 10243228 | General Chemistry | 1/17/2023 |
| 1755 | Total hardness as CaCO3 | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1825 | Total nitrate-nitrite | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1827 | Total Nitrogen | TKN + Total Nitrate-Nitrite | 60034459 | General Chemistry | 1/3/2012 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2040 | Total organic carbon | SM 5310 B-2014 | 20137831 | General Chemistry | 7/15/2022 |
| 2050 | Total Petroleum Hydrocarbons (TPH) | FL TPHCWG Direct Method | 90015875 | Extractable Organics | 7/1/2016 |
| 2050 | Total Petroleum Hydrocarbons (TPH) | FL-PRO | 90015808 | Extractable Organics | 7/1/2003 |
| 1940 | Total residual chlorine | SM 4500-$Cl^-$ D-2011 | 20085818 | General Chemistry | 7/15/2022 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 5/21/2018 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 4700 | trans-1,2-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4685 | trans-1,3-Dichloropropene | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5175 | Trichlorofluoromethane | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5175 | Trichlorofluoromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 2055 | Turbidity | EPA 180.1 | 10011800 | General Chemistry | 1/8/2002 |
| 2058 | Un-Ionized Ammonia | DEP SOP 10/03/83 | 90015842 | General Chemistry | 1/8/2002 |
| 1184 | Uranium (mass) | EPA 200.8 | 10014605 | Metals | 3/10/2010 |
| 1185 | Vanadium | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1185 | Vanadium | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1185 | Vanadium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1185 | Vanadium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5225 | Vinyl acetate | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5235 | Vinyl chloride | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5235 | Vinyl chloride | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5260 | Xylene (total) | EPA 624.1 | 10298121 | Volatile Organics | 5/21/2018 |
| 5260 | Xylene (total) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1190 | Zinc | EPA 200.7 | 10013806 | Metals | 1/8/2002 |
| 1190 | Zinc | EPA 200.8 | 10014605 | Metals | 5/11/2004 |
| 1190 | Zinc | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1190 | Zinc | EPA 6020B | 10156420 | Metals | 1/17/2023 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4630 | 1,1-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4640 | 1,1-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4670 | 1,1-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5182 | 1,2,3-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4635 | 1,2-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4655 | 1,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6220 | 1,2-Diphenylhydrazine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4660 | 1,3-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6380 | 1-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4665 | 2,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6835 | 2,4,5-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6840 | 2,4,6-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6000 | 2,4-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6130 | 2,4-Dimethylphenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6175 | 2,4-Dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5795 | 2-Chloronaphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5800 | 2-Chlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4535 | 2-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4860 | 2-Hexanone | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6460 | 2-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6490 | 2-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6465 | 3-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5700 | 4-Chloro-3-methylphenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5745 | 4-Chloroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5825 | 4-Chlorophenyl phenylether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4540 | 4-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6470 | 4-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6500 | 4-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4315 | Acetone | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4320 | Acetonitrile | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4325 | Acrolein (Propenal) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4340 | Acrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |







## *Laboratory Scope of Accreditation*

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**State Laboratory ID: E83079** **EPA Lab Code: FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1000 | Aluminum | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1000 | Aluminum | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1515 | Ammonia as N | EPA 350.1 | 10063602 | General Chemistry | 8/14/2008 |
| 5545 | Aniline | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1005 | Antimony | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1005 | Antimony | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1010 | Arsenic | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1010 | Arsenic | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1015 | Barium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1015 | Barium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 4375 | Benzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5595 | Benzidine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5630 | Benzyl alcohol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1020 | Beryllium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1020 | Beryllium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5765 | bis(2-Chloroethyl) ether | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1025 | Boron | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1540 | Bromide | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4385 | Bromobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4390 | Bromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4395 | Bromodichloromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4400 | Bromoform | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5670 | Butyl benzyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1030 | Cadmium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1030 | Cadmium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5680 | Carbazole | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4450 | Carbon disulfide | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4455 | Carbon tetrachloride | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7250 | Chlordane (tech.) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1575 | Chloride | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 4475 | Chlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4485 | Chloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4505 | Chloroform | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4525 | Chloroprene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1040 | Chromium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1040 | Chromium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1050 | Cobalt | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1050 | Cobalt | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1055 | Copper | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1055 | Copper | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5905 | Dibenzofuran | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4575 | Dibromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4595 | Dibromomethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4625 | Dichlorodifluoromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 4725 | Diethyl ether | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6070 | Diethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |

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**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9375 | Di-isopropylether (DIPE) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6135 | Dimethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5925 | Di-n-butyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6200 | Di-n-octyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 4810 | Ethyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4765 | Ethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 2530 | Fecal coliforms | SM 9221 E | 20227218 | Microbiology | 8/14/2006 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1730 | Fluoride | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 6275 | Hexachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4835 | Hexachlorobutadiene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4835 | Hexachlorobutadiene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6285 | Hexachlorocyclopentadiene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4840 | Hexachloroethane | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1070 | Iron | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1070 | Iron | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6320 | Isophorone | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4900 | Isopropylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1795 | Kjeldahl nitrogen - total | EPA 351.2 | 10065404 | General Chemistry | 8/14/2008 |
| 1075 | Lead | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1075 | Lead | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5240 | m+p-Xylenes | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1085 | Magnesium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1090 | Manganese | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1090 | Manganese | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1095 | Mercury | EPA 7471B | 10166457 | Metals | 1/17/2023 |
| 4925 | Methacrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4990 | Methyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4965 | Methylcyclohexane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4975 | Methylene chloride | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1100 | Molybdenum | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1100 | Molybdenum | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5005 | Naphthalene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 4435 | n-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1105 | Nickel | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1105 | Nickel | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1805 | Nitrate | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1810 | Nitrate as N | EPA 353.2 | 10067604 | General Chemistry | 7/1/2003 |
| 1835 | Nitrite | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1840 | Nitrite as N | EPA 353.2 | 10067604 | General Chemistry | 7/1/2003 |
| 5015 | Nitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6530 | n-Nitrosodimethylamine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6535 | n-Nitrosodiphenylamine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5090 | n-Propylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1865 | Organic nitrogen | TKN minus AMMONIA | 60034437 | General Chemistry | 1/3/2012 |
| 1870 | Orthophosphate as P | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 5250 | o-Xylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1434 | Paint Filter Liquids | EPA 9095B | 10245600 | General Chemistry | 1/17/2023 |
| 5035 | Pentachloroethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6605 | Pentachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1900 | pH | EPA 9045D | 10198455 | General Chemistry | 1/17/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 6625 | Phenol | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1910 | Phosphorus, total | EPA 365.4 | 10071202 | General Chemistry | 8/14/2008 |
| 1910 | Phosphorus, total | EPA 6010D | 10155950 | Metals | 3/21/2024 |
| 4910 | p-Isopropyltoluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1125 | Potassium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5080 | Propionitrile (Ethyl cyanide) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 5095 | Pyridine | EPA 8270E | 10242543 | Extractable Organics | 1/17/2023 |
| 1950 | Residue-total | SM 2540 G | 20005203 | General Chemistry | 5/11/2004 |
| 1970 | Residue-volatile | SM 2540 G | 20005203 | General Chemistry | 1/17/2014 |
| 4440 | sec-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1140 | Selenium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1140 | Selenium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1150 | Silver | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1150 | Silver | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1155 | Sodium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1160 | Strontium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1160 | Strontium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5100 | Styrene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 2000 | Sulfate | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 2017 | Sulfur | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1460 | Synthetic Precipitation Leaching Procedure (SPLP) | EPA 1312 | 10119003 | General Chemistry | 1/8/2002 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4445 | tert-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1165 | Thallium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1165 | Thallium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 1175 | Tin | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1180 | Titanium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 5140 | Toluene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1645 | Total cyanide | EPA 9012B | 10243228 | General Chemistry | 1/17/2023 |
| 1825 | Total nitrate-nitrite | EPA 353.2 | 10067604 | General Chemistry | 7/1/2003 |
| 1825 | Total nitrate-nitrite | EPA 9056A | 10199607 | General Chemistry | 1/17/2023 |
| 1827 | Total Nitrogen | TKN + Total Nitrate-Nitrite | 60034459 | General Chemistry | 1/3/2012 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2050 | Total Petroleum Hydrocarbons (TPH) | FL TPHCWG Direct Method | 90015875 | General Chemistry | 7/1/2016 |
| 2050 | Total Petroleum Hydrocarbons (TPH) | FL-PRO | 90015808 | Extractable Organics | 1/8/2002 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 1/17/2023 |
| 1466 | Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 | 10118806 | General Chemistry | 1/8/2002 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5175 | Trichlorofluoromethane | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1185 | Vanadium | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1185 | Vanadium | EPA 6020B | 10156420 | Metals | 1/17/2023 |
| 5225 | Vinyl acetate | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5235 | Vinyl chloride | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 5260 | Xylene (total) | EPA 8260D | 10307127 | Volatile Organics | 1/17/2023 |
| 1190 | Zinc | EPA 6010D | 10155950 | Metals | 1/17/2023 |
| 1190 | Zinc | EPA 6020B | 10156420 | Metals | 1/17/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E83079-100, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E83079** **EPA Lab Code:** **FL01264** **(386) 672-5668**

**E83079**
**Pace Analytical Services, LLC - Ormond Beach FL**
**8 East Tower Circle**
**Ormond Beach, FL 32174**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 1/17/2023 |



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E871184

PACE ANALYTICAL SERVICES, LLC - BOSTON
22 CUMMINGS PARK
WOBURN, MA 01801

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E871184-03-07/01/2024
Supersedes all previously issued certificates

Ron DeSantis
Governor



# *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E871184-03, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E871184** EPA Lab Code: **MA01042** **(781) 935-3212**

**E871184**
**Pace Analytical Services, LLC - Boston**
**22 Cummings Park**
**Woburn, MA 01801**

Matrix: **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1520 | Asbestos | EPA 100.2 | 10004407 | Primary Inorganic Contaminants | 4/1/2023 |

**Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.**

Certification Type NELAP
**Issue Date: 7/1/2024** **Expiration Date: 6/30/2025**



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87605

PACE ANALYTICAL SERVICES, LLC - MINNEAPOLIS MN
1700 ELM STREET SE
MINNEAPOLIS, MN 55414

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - DIOXIN, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, BIOLOGICAL TISSUE - EXTRACTABLE ORGANICS, BIOLOGICAL TISSUE - PESTICIDES-HERBICIDES-PCB'S, AIR AND EMISSIONS - EXTRACTABLE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: January 24, 2025 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87605-59-01/24/2025
Supersedes all previously issued certificates

# *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 1613 | 10120408 | Dioxin | 6/24/2011 |
| 1010 | Arsenic | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 6/24/2011 |
| 1055 | Copper | EPA 200.8 | 10014605 | Secondary Inorganic Contaminants,Primary Inorganic Contaminants | 6/24/2011 |
| 1075 | Lead | EPA 200.8 | 10014605 | Primary Inorganic Contaminants | 6/24/2011 |
| 1090 | Manganese | EPA 200.8 | 10014605 | Secondary Inorganic Contaminants | 6/24/2011 |
| 1095 | Mercury | EPA 245.1 | 10036609 | Primary Inorganic Contaminants | 3/7/2017 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9490 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6948 | 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6946 | 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6947 | 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 8952 | 2,2',3,3' + 2,2',3,4 + 2,3',4',6 - Tetrachlorobiphenyls (BZ 40 + 41 + 71) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8919 | 2,2',3,3',4,4' + 2,3,4,4',5,6 - Hexachlorobiphenyls (BZ 128 + 166) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9095 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9090 | 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9101 | 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ 207) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9103 | 2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9102 | 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ 196) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9065 | 2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8916 | 2,2',3,3',4,4',6 + 2,2',3,3',4,5,6 - Heptachlorobiphenyls (BZ 171 + 173) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8922 | 2,2',3,3',4,5 + 2,2',3,4,4',5' + 2,3,3',4',5,6 - Hexachlorobiphenyls (BZ 129 + 138 + 163) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8934 | 2,2',3,3',4,5,5',6 + 2,2',3,3',4,5,5',6' - Octachlorobiphenyls (BZ 198 + 199) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9107 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ 208) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9110 | 2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ 172) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9112 | 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9116 | 2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ 174) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9115 | 2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ 175) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9114 | 2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ 177) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9117 | 2,2',3,3',4,5'-Hexachlorobiphenyl (BZ 130) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9119 | 2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ 176) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9121 | 2,2',3,3',4,6-Hexachlorobiphenyl (BZ 131) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9120 | 2,2',3,3',4,6'-Hexachlorobiphenyl (BZ 132) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9122 | 2,2',3,3',4-Pentachlorobiphenyl (BZ 82) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9123 | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ 202) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9124 | 2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ 178) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9125 | 2,2',3,3',5,5'-Hexachlorobiphenyl (BZ 133) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8924 | 2,2',3,3',5,6 + 2,2',3,4,5,6' - Hexachlorobiphenyls (BZ 134 + 143) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8927 | 2,2',3,3',5,6' + 2,2',3,5,5',6 - Hexachlorobiphenyls (BZ 135 + 151) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9126 | 2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ 179) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9129 | 2,2',3,3',5-Pentachlorobiphenyl (BZ 83) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9130 | 2,2',3,3',6,6'-Hexachlorobiphenyl (BZ 136) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9131 | 2,2',3,3',6-Pentachlorobiphenyl (BZ 84) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8941 | 2,2',3,4,4' + 2,3,4,5,6 + 2,3,4',5,6 - Pentachlorobiphenyls (BZ 85 + 116 + 117) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 8917 | 2,2',3,4,4',5,5' + 2,3,3',4',5,5',6 - Heptachlorobiphenyls (BZ 180 + 193) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9133 | 2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ 203) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8918 | 2,2',3,4,4',5',6 + 2,2',3,4,5,5',6 - Heptachlorobiphenyls (BZ 183 + 185) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9135 | 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ 204) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9137 | 2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ 181) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9136 | 2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ 182) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9138 | 2,2',3,4,4',5-Hexachlorobiphenyl (BZ 137) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8928 | 2,2',3,4,4',6 + 2,2',3,4,4',6' - Hexachlorobiphenyls (BZ 139 + 140) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9139 | 2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8948 | 2,2',3,4',5 + 2,2',4,5,5' + 2,3,3',5',6 - Pentachlorobiphenyls (BZ 90 + 101 + 113) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9080 | 2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9030 | 2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9144 | 2,2',3,4',5,5'-Hexachlorobiphenyl (BZ 146) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8929 | 2,2',3,4',5,6 + 2,2',3,4',5',6 - Hexachlorobiphenyls (BZ 147 + 149) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9145 | 2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ 186) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9146 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ 188) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9148 | 2,2',3,4,5,6-Hexachlorobiphenyl (BZ 142) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9150 | 2,2',3,4,5',6-Hexachlorobiphenyl (BZ 144) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9147 | 2,2',3,4',5,6'-Hexachlorobiphenyl (BZ 148) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8947 | 2,2',3,4,6 + 2,2',3,4',6 - Pentachlorobiphenyls (BZ 88 + 91) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9156 | 2,2',3,4,6,6'-Hexachlorobiphenyl (BZ 145) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9157 | 2,2',3,4',6,6'-Hexachlorobiphenyl (BZ 150) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9161 | 2,2',3,4,6'-Pentachlorobiphenyl (BZ 89) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9162 | 2,2',3,4'-Tetrachlorobiphenyl (BZ 42) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8957 | 2,2',3,5' + 2,2',4,4' + 2,3,5,6 - Tetrachlorobiphenyls (BZ 44 + 47 + 65) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8956 | 2,2',3,5 + 2,3',5',6 - Tetrachlorobiphenyls (BZ 43 + 73) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9164 | 2,2',3,5,5'-Pentachlorobiphenyl (BZ 92) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9165 | 2,2',3,5,6,6'-Hexachlorobiphenyl (BZ 152) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9167 | 2,2',3,5,6'-Pentachlorobiphenyl (BZ 94) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9166 | 2,2',3,5',6-Pentachlorobiphenyl (BZ 95) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8958 | 2,2',3,6 + 2,2',4,6' - Tetrachlorobiphenyls (BZ 45 + 51) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9170 | 2,2',3,6,6'-Pentachlorobiphenyl (BZ 96) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9171 | 2,2',3,6'-Tetrachlorobiphenyl (BZ 46) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9173 | 2,2',3-Trichlorobiphenyl (BZ 16) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8931 | 2,2',4,4',5,5' + 2,3',4,4',5',6 - Hexachlorobiphenyls (BZ 153 + 168) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9174 | 2,2',4,4',5,6'-Hexachlorobiphenyl (BZ 154) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9175 | 2,2',4,4',5-Pentachlorobiphenyl (BZ 99) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9176 | 2,2',4,4',6,6'-Hexachlorobiphenyl (BZ 155) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8959 | 2,2',4,5' + 2,3',4,6 - Tetrachlorobiphenyls (BZ 49 + 69) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9179 | 2,2',4,5',6-Pentachlorobiphenyl (BZ 103) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9181 | 2,2',4,5-Tetrachlorobiphenyl (BZ 48) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8961 | 2,2',4,6 + 2,2',5,6' - Tetrachlorobiphenyls (BZ 50 + 53) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9182 | 2,2',4,6,6'-Pentachlorobiphenyl (BZ 104) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9185 | 2,2',4-Trichlorobiphenyl (BZ 17) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8966 | 2,2',5 + 2,4,6 - Trichlorobiphenyls (BZ 18 + 30) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8955 | 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9187 | 2,2',6,6'-Tetrachlorobiphenyl (BZ 54) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9188 | 2,2',6-Trichlorobiphenyl (BZ 19) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9189 | 2,2'-Dichlorobiphenyl (BZ 4) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8967 | 2,3,3' + 2,4,4' - Trichlorobiphenyls (BZ 20 + 28) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8932 | 2,3,3',4,4',5 + 2,3,3',4,4',5' - Hexachlorobiphenyls (BZ 156 + 157) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |







## *Laboratory Scope of Accreditation*

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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9190 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ 205) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9085 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9191 | 2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ 190) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9192 | 2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ 191) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9193 | 2,3,3',4,4',6-Hexachlorobiphenyl (BZ 158) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8985 | 2,3,3',4,4'-Pentachlorobiphenyl (BZ 105) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9194 | 2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ 192) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9196 | 2,3,3',4,5,5'-Hexachlorobiphenyl (BZ 159) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9197 | 2,3,3',4',5,5'-Hexachlorobiphenyl (BZ 162) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9198 | 2,3,3',4,5,6-Hexachlorobiphenyl (BZ 160) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9200 | 2,3,3',4,5',6-Hexachlorobiphenyl (BZ 161) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9201 | 2,3,3',4',5',6-Hexachlorobiphenyl (BZ 164) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9204 | 2,3,3',4,5-Pentachlorobiphenyl (BZ 106) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9202 | 2,3,3',4',5'-Pentachlorobiphenyl (BZ 122) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 8938 | 2,3,3',4',6 + 2,3,4,4',6 - Pentachlorobiphenyls (BZ 110 + 115) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9206 | 2,3,3',4,6-Pentachlorobiphenyl (BZ 109) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9208 | 2,3,3',4-Tetrachlorobiphenyl (BZ 55) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9207 | 2,3,3',4'-Tetrachlorobiphenyl (BZ 56) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9209 | 2,3,3',5,5',6-Hexachlorobiphenyl (BZ 165) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9210 | 2,3,3',5,5'-Pentachlorobiphenyl (BZ 111) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9211 | 2,3,3',5,6-Pentachlorobiphenyl (BZ 112) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9214 | 2,3,3',5-Tetrachlorobiphenyl (BZ 57) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9213 | 2,3,3',5'-Tetrachlorobiphenyl (BZ 58) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8962 | 2,3,3',6 + 2,3,4,6 + 2,4,4',6 - Tetrachlorobiphenyls (BZ 59 + 62 + 75) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8968 | 2,3,4 + 2,3',4' - Trichlorobiphenyls (BZ 21 + 33) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9055 | 2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9005 | 2,3,4,4',5-Pentachlorobiphenyl (BZ 114) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8995 | 2,3',4,4',5-Pentachlorobiphenyl (BZ 118) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9000 | 2,3',4,4',5'-Pentachlorobiphenyl (BZ 123) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9221 | 2,3,4,4'-Tetrachlorobiphenyl (BZ 60) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8960 | 2,3',4,4'-Tetrachlorobiphenyl (BZ 66) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8963 | 2,3,4,5 + 2,3',4',5 + 2,4,4',5 + 2,3',4',5' - Tetrachlorobiphenyls (BZ 61 + 70 + 74 + 76) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9223 | 2,3',4,5,5'-Pentachlorobiphenyl (BZ 120) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9226 | 2,3',4,5',6-Pentachlorobiphenyl (BZ 121) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9233 | 2,3,4',5-Tetrachlorobiphenyl (BZ 63) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9232 | 2,3',4,5-Tetrachlorobiphenyl (BZ 67) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9231 | 2,3',4,5'-Tetrachlorobiphenyl (BZ 68) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9236 | 2,3,4',6-Tetrachlorobiphenyl (BZ 64) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9240 | 2,3',4-Trichlorobihenyl (BZ 25) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9241 | 2,3,4'-Trichlorobiphenyl (BZ 22) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8969 | 2,3',5 + 2,4,5 - Trichlorobiphenyls (BZ 26 + 29) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9242 | 2,3',5,5'-Tetrachlorobiphenyl (BZ 72) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9245 | 2,3,5-Trichlorobihenyl (BZ 23) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9246 | 2,3',5'-Trichlorobihenyl (BZ 34) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9248 | 2,3',6-Trichlorobihenyl (BZ 27) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9247 | 2,3,6-Trichlorobiphenyl (BZ 24) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9612 | 2,3,7,8-TCDF | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9612 | 2,3,7,8-TCDF | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9612 | 2,3,7,8-TCDF | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 8920 | 2,3-Dichlorobiphenyl (BZ 5) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9249 | 2,3'-Dichlorobiphenyl (BZ 6) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8940 | 2,4',5-Trichlorobiphenyl (BZ 31) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9255 | 2,4',6-Trichlorobihenyl (BZ 32) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9257 | 2,4-Dichlorobiphenyl (BZ 7) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9256 | 2,4'-Dichlorobiphenyl (BZ 8) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9258 | 2,5-Dichlorobiphenyl (BZ 9) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9259 | 2,6-Dichlorophenyl (BZ 10) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8915 | 2-Chlorobiphenyl (BZ 1) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9340 | 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |







## *Laboratory Scope of Accreditation*

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**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9338 | 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9060 | 3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9015 | 3,3',4,4',5-Pentachlorobiphenyl (BZ 126) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8965 | 3,3',4,4'-Tetrachlorobiphenyl (BZ 77) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9260 | 3,3',4,5,5'-Pentachlorobiphenyl (BZ 127) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9262 | 3,3',4,5-Tetrachlorobiphenyl (BZ 78) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9261 | 3,3',4,5'-Tetrachlorobiphenyl (BZ 79) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9263 | 3,3',4-Trichlorobihenyl (BZ 35) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9264 | 3,3',5,5'-Tetrachlorobiphenyl (BZ 80) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9265 | 3,3',5-Trichlorobihenyl (BZ 36) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8925 | 3,3'-Dichlorobiphenyl (BZ 11) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8914 | 3,4 + 3,4' - Dichlorobiphenyls (BZ 12 + 13) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8970 | 3,4,4',5-Tetrachlorobiphenyl (BZ 81) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9266 | 3,4,4'-Trichlorobiphenyl (BZ 37) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9267 | 3,4,5-Trichlorobihenyl (BZ 38) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9268 | 3,4',5-Trichlorobihenyl (BZ 39) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9271 | 3,5-Dichlorobiphenyl (BZ 14) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9272 | 3-Chlorobiphenyl (BZ 2) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9353 | 4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9273 | 4,4'-Dichlorobiphenyl (BZ 15) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 6951 | 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9274 | 4-Chlorobiphenyl (BZ 3) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 6952 | 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 8936 | BZ 107 + 124 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8933 | BZ 197 + 200 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8972 | BZ 86 + 87 + 97 + 108 + 119 + 125 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 8973 | BZ 93 + 98 + 100 + 102 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9105 | Decachlorobiphenyl (BZ 209) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9460 | Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9438 | Hpcdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9438 | Hpcdd, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9438 | Hpcdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9444 | Hpcdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9444 | Hpcdf, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9444 | Hpcdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9468 | Hxcdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9468 | Hxcdd, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9468 | Hxcdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9483 | Hxcdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9483 | Hxcdf, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9483 | Hxcdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9395 | N-Ethylperfluorooctane sulfonamide (N-EtFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 4846 | N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9431 | N-ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6949 | N-Methyl perfluoro-octane sulfonamido ethanol (N-MeFOSE) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9433 | N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 4847 | N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6956 | Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9555 | Pecdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9555 | Pecdd, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9555 | Pecdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9552 | Pecdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9552 | Pecdf, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9552 | Pecdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 6957 | Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6965 | Perfluoro-3-methoxypropanoic Acid (PFMPA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6966 | Perfluoro-4-methoxybutanoic Acid (PFMBA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6918 | Perfluorobutane Sulfonic Acid (PFBS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6915 | Perfluorobutanoic Acid (PFBA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6920 | Perfluorodecane Sulfonic Acid (PFDS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6905 | Perfluorodecanoic Acid (PFDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6923 | Perfluorododecane Sulfonic Acid (PFDoS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6903 | Perfluorododecanoic Acid (PFDoA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9470 | Perfluoroheptane Sulfonic Acid (PFHpS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6908 | Perfluoroheptanoic Acid (PFHpA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6913 | Perfluorohexanoic Acid (PFHxA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |

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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6929 | Perfluorononane Sulfonic Acid (PFNS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6906 | Perfluorononanoic Acid (PFNA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6917 | Perfluorooctane sulfonamide (PFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6931 | Perfluorooctane sulfonic acid (PFOS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6912 | Perfluorooctanoic Acid (PFOA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6934 | Perfluoropentane Sulfonic Acid (PFPeS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6914 | Perfluoropentanoic Acid (PFPeA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6902 | Perfluorotetradecanoic acid (PFTDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6904 | Perfluoroundecanoic acid (PFUnDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9609 | TCDD, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9609 | TCDD, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9609 | TCDD, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9615 | TCDF, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9615 | TCDF, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9615 | TCDF, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |

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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |

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**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9490 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6948 | 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6946 | 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6947 | 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 8952 | 2,2',3,3' + 2,2',3,4 + 2,3',4',6 - Tetrachlorobiphenyls (BZ 40 + 41 + 71) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8919 | 2,2',3,3',4,4' + 2,3,4,4',5,6 - Hexachlorobiphenyls (BZ 128 + 166) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9095 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9090 | 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9101 | 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ 207) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9103 | 2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9102 | 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ 196) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9065 | 2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8916 | 2,2',3,3',4,4',6 + 2,2',3,3',4,5,6 - Heptachlorobiphenyls (BZ 171 + 173) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8922 | 2,2',3,3',4,5 + 2,2',3,4,4',5' + 2,3,3',4',5,6 - Hexachlorobiphenyls (BZ 129 + 138 + 163) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8934 | 2,2',3,3',4,5,5',6 + 2,2',3,3',4,5,5',6' - Octachlorobiphenyls (BZ 198 + 199) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9107 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ 208) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9110 | 2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ 172) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9112 | 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9116 | 2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ 174) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9115 | 2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ 175) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9114 | 2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ 177) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9117 | 2,2',3,3',4,5'-Hexachlorobiphenyl (BZ 130) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9119 | 2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ 176) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9121 | 2,2',3,3',4,6-Hexachlorobiphenyl (BZ 131) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9120 | 2,2',3,3',4,6'-Hexachlorobiphenyl (BZ 132) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9122 | 2,2',3,3',4-Pentachlorobiphenyl (BZ 82) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9123 | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ 202) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9124 | 2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ 178) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9125 | 2,2',3,3',5,5'-Hexachlorobiphenyl (BZ 133) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8924 | 2,2',3,3',5,6 + 2,2',3,4,5,6' - Hexachlorobiphenyls (BZ 134 + 143) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8927 | 2,2',3,3',5,6' + 2,2',3,5,5',6 - Hexachlorobiphenyls (BZ 135 + 151) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9126 | 2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ 179) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9129 | 2,2',3,3',5-Pentachlorobiphenyl (BZ 83) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9130 | 2,2',3,3',6,6'-Hexachlorobiphenyl (BZ 136) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9131 | 2,2',3,3',6-Pentachlorobiphenyl (BZ 84) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8941 | 2,2',3,4,4' + 2,3,4,5,6 + 2,3,4',5,6 - Pentachlorobiphenyls (BZ 85 + 116 + 117) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8917 | 2,2',3,4,4',5,5' + 2,3,3',4',5,5',6 - Heptachlorobiphenyls (BZ 180 + 193) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9133 | 2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ 203) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8918 | 2,2',3,4,4',5',6 + 2,2',3,4,5,5',6 - Heptachlorobiphenyls (BZ 183 + 185) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9135 | 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ 204) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9137 | 2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ 181) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9136 | 2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ 182) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9138 | 2,2',3,4,4',5-Hexachlorobiphenyl (BZ 137) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8928 | 2,2',3,4,4',6 + 2,2',3,4,4',6' - Hexachlorobiphenyls (BZ 139 + 140) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9139 | 2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8948 | 2,2',3,4',5 + 2,2',4,5,5' + 2,3,3',5',6 - Pentachlorobiphenyls (BZ 90 + 101 + 113) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9080 | 2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9030 | 2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9144 | 2,2',3,4',5,5'-Hexachlorobiphenyl (BZ 146) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8929 | 2,2',3,4',5,6 + 2,2',3,4',5',6 - Hexachlorobiphenyls (BZ 147 + 149) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9145 | 2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ 186) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9146 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ 188) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9148 | 2,2',3,4,5,6-Hexachlorobiphenyl (BZ 142) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9150 | 2,2',3,4,5',6-Hexachlorobiphenyl (BZ 144) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9147 | 2,2',3,4',5,6'-Hexachlorobiphenyl (BZ 148) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8947 | 2,2',3,4,6 + 2,2',3,4',6 - Pentachlorobiphenyls (BZ 88 + 91) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9156 | 2,2',3,4,6,6'-Hexachlorobiphenyl (BZ 145) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9157 | 2,2',3,4',6,6'-Hexachlorobiphenyl (BZ 150) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9161 | 2,2',3,4,6'-Pentachlorobiphenyl (BZ 89) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9162 | 2,2',3,4'-Tetrachlorobiphenyl (BZ 42) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8957 | 2,2',3,5' + 2,2',4,4' + 2,3,5,6 - Tetrachlorobiphenyls (BZ 44 + 47 + 65) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8956 | 2,2',3,5 + 2,3',5',6 - Tetrachlorobiphenyls (BZ 43 + 73) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9164 | 2,2',3,5,5'-Pentachlorobiphenyl (BZ 92) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9165 | 2,2',3,5,6,6'-Hexachlorobiphenyl (BZ 152) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9167 | 2,2',3,5,6'-Pentachlorobiphenyl (BZ 94) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9166 | 2,2',3,5',6-Pentachlorobiphenyl (BZ 95) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8958 | 2,2',3,6 + 2,2',4,6' - Tetrachlorobiphenyls (BZ 45 + 51) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9170 | 2,2',3,6,6'-Pentachlorobiphenyl (BZ 96) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9171 | 2,2',3,6'-Tetrachlorobiphenyl (BZ 46) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9173 | 2,2',3-Trichlorobiphenyl (BZ 16) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8931 | 2,2',4,4',5,5' + 2,3',4,4',5',6 - Hexachlorobiphenyls (BZ 153 + 168) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9174 | 2,2',4,4',5,6'-Hexachlorobiphenyl (BZ 154) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9175 | 2,2',4,4',5-Pentachlorobiphenyl (BZ 99) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9176 | 2,2',4,4',6,6'-Hexachlorobiphenyl (BZ 155) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8959 | 2,2',4,5' + 2,3',4,6 - Tetrachlorobiphenyls (BZ 49 + 69) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9179 | 2,2',4,5',6-Pentachlorobiphenyl (BZ 103) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9181 | 2,2',4,5-Tetrachlorobiphenyl (BZ 48) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8961 | 2,2',4,6 + 2,2',5,6' - Tetrachlorobiphenyls (BZ 50 + 53) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9182 | 2,2',4,6,6'-Pentachlorobiphenyl (BZ 104) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9185 | 2,2',4-Trichlorobiphenyl (BZ 17) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8966 | 2,2',5 + 2,4,6 - Trichlorobiphenyls (BZ 18 + 30) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8955 | 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9187 | 2,2',6,6'-Tetrachlorobiphenyl (BZ 54) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9188 | 2,2',6-Trichlorobiphenyl (BZ 19) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9189 | 2,2'-Dichlorobiphenyl (BZ 4) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8967 | 2,3,3' + 2,4,4' - Trichlorobiphenyls (BZ 20 + 28) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8932 | 2,3,3',4,4',5 + 2,3,3',4,4',5' - Hexachlorobiphenyls (BZ 156 + 157) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9190 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ 205) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9085 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9191 | 2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ 190) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9192 | 2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ 191) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9193 | 2,3,3',4,4',6-Hexachlorobiphenyl (BZ 158) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8985 | 2,3,3',4,4'-Pentachlorobiphenyl (BZ 105) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9194 | 2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ 192) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9196 | 2,3,3',4,5,5'-Hexachlorobiphenyl (BZ 159) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9197 | 2,3,3',4',5,5'-Hexachlorobiphenyl (BZ 162) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9198 | 2,3,3',4,5,6-Hexachlorobiphenyl (BZ 160) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9200 | 2,3,3',4,5',6-Hexachlorobiphenyl (BZ 161) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9201 | 2,3,3',4',5',6-Hexachlorobiphenyl (BZ 164) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9204 | 2,3,3',4,5-Pentachlorobiphenyl (BZ 106) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9202 | 2,3,3',4',5'-Pentachlorobiphenyl (BZ 122) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8938 | 2,3,3',4',6 + 2,3,4,4',6 - Pentachlorobiphenyls (BZ 110 + 115) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9206 | 2,3,3',4,6-Pentachlorobiphenyl (BZ 109) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9208 | 2,3,3',4-Tetrachlorobiphenyl (BZ 55) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9207 | 2,3,3',4'-Tetrachlorobiphenyl (BZ 56) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9209 | 2,3,3',5,5',6-Hexachlorobiphenyl (BZ 165) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9210 | 2,3,3',5,5'-Pentachlorobiphenyl (BZ 111) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9211 | 2,3,3',5,6-Pentachlorobiphenyl (BZ 112) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9214 | 2,3,3',5-Tetrachlorobiphenyl (BZ 57) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9213 | 2,3,3',5'-Tetrachlorobiphenyl (BZ 58) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8962 | 2,3,3',6 + 2,3,4,6 + 2,4,4',6 - Tetrachlorobiphenyls (BZ 59 + 62 + 75) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8968 | 2,3,4 + 2,3',4' - Trichlorobiphenyls (BZ 21 + 33) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9055 | 2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9005 | 2,3,4,4',5-Pentachlorobiphenyl (BZ 114) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8995 | 2,3',4,4',5-Pentachlorobiphenyl (BZ 118) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9000 | 2,3',4,4',5'-Pentachlorobiphenyl (BZ 123) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 4/30/2018 |
| 9221 | 2,3,4,4'-Tetrachlorobiphenyl (BZ 60) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8960 | 2,3',4,4'-Tetrachlorobiphenyl (BZ 66) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8963 | 2,3,4,5 + 2,3',4',5 + 2,4,4',5 + 2,3',4',5' - Tetrachlorobiphenyls (BZ 61 + 70 + 74 + 76) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9223 | 2,3',4,5,5'-Pentachlorobiphenyl (BZ 120) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9226 | 2,3',4,5',6-Pentachlorobiphenyl (BZ 121) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9233 | 2,3,4',5-Tetrachlorobiphenyl (BZ 63) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9232 | 2,3',4,5-Tetrachlorobiphenyl (BZ 67) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9231 | 2,3',4,5'-Tetrachlorobiphenyl (BZ 68) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9236 | 2,3,4',6-Tetrachlorobiphenyl (BZ 64) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9240 | 2,3',4-Trichlorobihenyl (BZ 25) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9241 | 2,3,4'-Trichlorobiphenyl (BZ 22) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8969 | 2,3',5 + 2,4,5 - Trichlorobiphenyls (BZ 26 + 29) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9242 | 2,3',5,5'-Tetrachlorobiphenyl (BZ 72) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9245 | 2,3,5-Trichlorobihenyl (BZ 23) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9246 | 2,3',5'-Trichlorobihenyl (BZ 34) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9248 | 2,3',6-Trichlorobihenyl (BZ 27) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9247 | 2,3,6-Trichlorobiphenyl (BZ 24) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9612 | 2,3,7,8-TCDF | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9612 | 2,3,7,8-TCDF | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9612 | 2,3,7,8-TCDF | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 8920 | 2,3-Dichlorobiphenyl (BZ 5) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9249 | 2,3'-Dichlorobiphenyl (BZ 6) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8940 | 2,4',5-Trichlorobiphenyl (BZ 31) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9255 | 2,4',6-Trichlorobihenyl (BZ 32) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9257 | 2,4-Dichlorobiphenyl (BZ 7) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9256 | 2,4'-Dichlorobiphenyl (BZ 8) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9258 | 2,5-Dichlorobiphenyl (BZ 9) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9259 | 2,6-Dichlorophenyl (BZ 10) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8915 | 2-Chlorobiphenyl (BZ 1) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9340 | 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |







## *Laboratory Scope of Accreditation*

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**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9338 | 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9060 | 3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9015 | 3,3',4,4',5-Pentachlorobiphenyl (BZ 126) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8965 | 3,3',4,4'-Tetrachlorobiphenyl (BZ 77) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9260 | 3,3',4,5,5'-Pentachlorobiphenyl (BZ 127) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9262 | 3,3',4,5-Tetrachlorobiphenyl (BZ 78) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9261 | 3,3',4,5'-Tetrachlorobiphenyl (BZ 79) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9263 | 3,3',4-Trichlorobihenyl (BZ 35) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9264 | 3,3',5,5'-Tetrachlorobiphenyl (BZ 80) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9265 | 3,3',5-Trichlorobihenyl (BZ 36) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8925 | 3,3'-Dichlorobiphenyl (BZ 11) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8914 | 3,4 + 3,4' - Dichlorobiphenyls (BZ 12 + 13) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8970 | 3,4,4',5-Tetrachlorobiphenyl (BZ 81) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9266 | 3,4,4'-Trichlorobiphenyl (BZ 37) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9267 | 3,4,5-Trichlorobihenyl (BZ 38) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9268 | 3,4',5-Trichlorobihenyl (BZ 39) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9271 | 3,5-Dichlorobiphenyl (BZ 14) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9272 | 3-Chlorobiphenyl (BZ 2) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9353 | 4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9273 | 4,4'-Dichlorobiphenyl (BZ 15) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 6951 | 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9274 | 4-Chlorobiphenyl (BZ 3) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 6952 | 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 8936 | BZ 107 + 124 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8933 | BZ 197 + 200 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8972 | BZ 86 + 87 + 97 + 108 + 119 + 125 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8973 | BZ 93 + 98 + 100 + 102 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9105 | Decachlorobiphenyl (BZ 209) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9460 | Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9438 | Hpcdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9438 | Hpcdd, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9438 | Hpcdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9444 | Hpcdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9444 | Hpcdf, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9444 | Hpcdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9468 | Hxcdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9468 | Hxcdd, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9468 | Hxcdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9483 | Hxcdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9483 | Hxcdf, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9483 | Hxcdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9395 | N-Ethylperfluorooctane sulfonamide (N-EtFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 4846 | N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9431 | N-ethylperfluorooctane sulfonamido ethanol (EtFOSE) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6949 | N-Methyl perfluoro-octane sulfonamido ethanol (N-MeFOSE) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9433 | N-Methylperfluorooctane sulfonamide (MeFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 4847 | N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6956 | Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9555 | Pecdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9555 | Pecdd, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9555 | Pecdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9552 | Pecdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9552 | Pecdf, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9552 | Pecdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 6957 | Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6965 | Perfluoro-3-methoxypropanoic Acid (PFMPA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6966 | Perfluoro-4-methoxybutanoic Acid (PFMBA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6918 | Perfluorobutane Sulfonic Acid (PFBS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6915 | Perfluorobutanoic Acid (PFBA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6920 | Perfluorodecane Sulfonic Acid (PFDS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6905 | Perfluorodecanoic Acid (PFDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6923 | Perfluorododecane Sulfonic Acid (PFDoS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6903 | Perfluorododecanoic Acid (PFDoA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9470 | Perfluoroheptane Sulfonic Acid (PFHpS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6908 | Perfluoroheptanoic Acid (PFHpA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6913 | Perfluorohexanoic Acid (PFHxA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |

## *Laboratory Scope of Accreditation*



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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6929 | Perfluorononane Sulfonic Acid (PFNS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6906 | Perfluorononanoic Acid (PFNA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6917 | Perfluorooctane sulfonamide (PFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6931 | Perfluorooctane sulfonic acid (PFOS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6912 | Perfluorooctanoic Acid (PFOA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6934 | Perfluoropentane Sulfonic Acid (PFPeS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6914 | Perfluoropentanoic Acid (PFPeA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6902 | Perfluorotetradecanoic acid (PFTDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6904 | Perfluoroundecanoic acid (PFUnDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9609 | TCDD, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9609 | TCDD, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9609 | TCDD, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9615 | TCDF, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9615 | TCDF, total | EPA 8280B | 10187005 | Extractable Organics | 1/30/2023 |
| 9615 | TCDF, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |

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**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9540 | 1,2,3,7,8-Pecdd | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9543 | 1,2,3,7,8-Pecdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9490 | 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11-ClPF3OUdS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6948 | 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6946 | 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6947 | 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 FTS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |

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**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8952 | 2,2',3,3' + 2,2',3,4 + 2,3',4',6 - Tetrachlorobiphenyls (BZ 40 + 41 + 71) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8919 | 2,2',3,3',4,4' + 2,3,4,4',5,6 - Hexachlorobiphenyls (BZ 128 + 166) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9095 | 2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl (BZ 206) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9090 | 2,2',3,3',4,4',5,5'-Octachlorobiphenyl (BZ 194) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9101 | 2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl (BZ 207) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9103 | 2,2',3,3',4,4',5,6-Octachlorobiphenyl (BZ 195) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 4/30/2018 |
| 9102 | 2,2',3,3',4,4',5,6'-Octachlorobiphenyl (BZ 196) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9065 | 2,2',3,3',4,4',5-Heptachlorobiphenyl (BZ 170) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8916 | 2,2',3,3',4,4',6 + 2,2',3,3',4,5,6 - Heptachlorobiphenyls (BZ 171 + 173) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8922 | 2,2',3,3',4,5 + 2,2',3,4,4',5' + 2,3,3',4',5,6 - Hexachlorobiphenyls (BZ 129 + 138 + 163) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8934 | 2,2',3,3',4,5,5',6 + 2,2',3,3',4,5,5',6' - Octachlorobiphenyls (BZ 198 + 199) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9107 | 2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl (BZ 208) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9110 | 2,2',3,3',4,5,5'-Heptachlorobiphenyl (BZ 172) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9112 | 2,2',3,3',4,5',6,6'-Octachlorobiphenyl (BZ 201) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9116 | 2,2',3,3',4,5,6'-Heptachlorobiphenyl (BZ 174) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9115 | 2,2',3,3',4,5',6-Heptachlorobiphenyl (BZ 175) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9114 | 2,2',3,3',4,5',6'-Heptachlorobiphenyl (BZ 177) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9117 | 2,2',3,3',4,5'-Hexachlorobiphenyl (BZ 130) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9119 | 2,2',3,3',4,6,6'-Heptachlorobiphenyl (BZ 176) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9121 | 2,2',3,3',4,6-Hexachlorobiphenyl (BZ 131) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9120 | 2,2',3,3',4,6'-Hexachlorobiphenyl (BZ 132) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9122 | 2,2',3,3',4-Pentachlorobiphenyl (BZ 82) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9123 | 2,2',3,3',5,5',6,6'-Octachlorobiphenyl (BZ 202) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9124 | 2,2',3,3',5,5',6-Heptachlorobiphenyl (BZ 178) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9125 | 2,2',3,3',5,5'-Hexachlorobiphenyl (BZ 133) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8924 | 2,2',3,3',5,6 + 2,2',3,4,5,6' - Hexachlorobiphenyls (BZ 134 + 143) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8927 | 2,2',3,3',5,6' + 2,2',3,5,5',6 - Hexachlorobiphenyls (BZ 135 + 151) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 4/30/2018 |
| 9126 | 2,2',3,3',5,6,6'-Heptachlorobiphenyl (BZ 179) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9129 | 2,2',3,3',5-Pentachlorobiphenyl (BZ 83) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9130 | 2,2',3,3',6,6'-Hexachlorobiphenyl (BZ 136) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9131 | 2,2',3,3',6-Pentachlorobiphenyl (BZ 84) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8941 | 2,2',3,4,4' + 2,3,4,5,6 + 2,3,4',5,6 - Pentachlorobiphenyls (BZ 85 + 116 + 117) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8917 | 2,2',3,4,4',5,5' + 2,3,3',4',5,5',6 - Heptachlorobiphenyls (BZ 180 + 193) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9133 | 2,2',3,4,4',5,5',6-Octachlorobiphenyl (BZ 203) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8918 | 2,2',3,4,4',5',6 + 2,2',3,4,5,5',6 - Heptachlorobiphenyls (BZ 183 + 185) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9135 | 2,2',3,4,4',5,6,6'-Octachlorobiphenyl (BZ 204) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9137 | 2,2',3,4,4',5,6-Heptachlorobiphenyl (BZ 181) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9136 | 2,2',3,4,4',5,6'-Heptachlorobiphenyl (BZ 182) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9138 | 2,2',3,4,4',5-Hexachlorobiphenyl (BZ 137) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8928 | 2,2',3,4,4',6 + 2,2',3,4,4',6' - Hexachlorobiphenyls (BZ 139 + 140) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9139 | 2,2',3,4,4',6,6'-Heptachlorobiphenyl (BZ 184) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8948 | 2,2',3,4',5 + 2,2',4,5,5' + 2,3,3',5',6 - Pentachlorobiphenyls (BZ 90 + 101 + 113) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9080 | 2,2',3,4',5,5',6-Heptachlorobiphenyl (BZ 187) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 7/1/2020 |
| 9030 | 2,2',3,4,5,5'-Hexachlorobiphenyl (BZ 141) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9144 | 2,2',3,4',5,5'-Hexachlorobiphenyl (BZ 146) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8929 | 2,2',3,4',5,6 + 2,2',3,4',5',6 - Hexachlorobiphenyls (BZ 147 + 149) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9145 | 2,2',3,4,5,6,6'-Heptachlorobiphenyl (BZ 186) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9146 | 2,2',3,4',5,6,6'-Heptachlorobiphenyl (BZ 188) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9148 | 2,2',3,4,5,6-Hexachlorobiphenyl (BZ 142) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9150 | 2,2',3,4,5',6-Hexachlorobiphenyl (BZ 144) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9147 | 2,2',3,4',5,6'-Hexachlorobiphenyl (BZ 148) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8947 | 2,2',3,4,6 + 2,2',3,4',6 - Pentachlorobiphenyls (BZ 88 + 91) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9156 | 2,2',3,4,6,6'-Hexachlorobiphenyl (BZ 145) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9157 | 2,2',3,4',6,6'-Hexachlorobiphenyl (BZ 150) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9161 | 2,2',3,4,6'-Pentachlorobiphenyl (BZ 89) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9162 | 2,2',3,4'-Tetrachlorobiphenyl (BZ 42) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8957 | 2,2',3,5' + 2,2',4,4' + 2,3,5,6 - Tetrachlorobiphenyls (BZ 44 + 47 + 65) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8956 | 2,2',3,5 + 2,3',5',6 - Tetrachlorobiphenyls (BZ 43 + 73) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 5/13/2019 |
| 9164 | 2,2',3,5,5'-Pentachlorobiphenyl (BZ 92) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9165 | 2,2',3,5,6,6'-Hexachlorobiphenyl (BZ 152) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9167 | 2,2',3,5,6'-Pentachlorobiphenyl (BZ 94) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9166 | 2,2',3,5',6-Pentachlorobiphenyl (BZ 95) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8958 | 2,2',3,6 + 2,2',4,6' - Tetrachlorobiphenyls (BZ 45 + 51) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID: E87605** **EPA Lab Code: MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix: Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9170 | 2,2',3,6,6'-Pentachlorobiphenyl (BZ 96) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9171 | 2,2',3,6'-Tetrachlorobiphenyl (BZ 46) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9173 | 2,2',3-Trichlorobiphenyl (BZ 16) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8931 | 2,2',4,4',5,5' + 2,3',4,4',5',6 - Hexachlorobiphenyls (BZ 153 + 168) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9174 | 2,2',4,4',5,6'-Hexachlorobiphenyl (BZ 154) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9175 | 2,2',4,4',5-Pentachlorobiphenyl (BZ 99) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9176 | 2,2',4,4',6,6'-Hexachlorobiphenyl (BZ 155) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8959 | 2,2',4,5' + 2,3',4,6 - Tetrachlorobiphenyls (BZ 49 + 69) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9179 | 2,2',4,5',6-Pentachlorobiphenyl (BZ 103) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9181 | 2,2',4,5-Tetrachlorobiphenyl (BZ 48) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8961 | 2,2',4,6 + 2,2',5,6' - Tetrachlorobiphenyls (BZ 50 + 53) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9182 | 2,2',4,6,6'-Pentachlorobiphenyl (BZ 104) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9185 | 2,2',4-Trichlorobiphenyl (BZ 17) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8966 | 2,2',5 + 2,4,6 - Trichlorobiphenyls (BZ 18 + 30) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8955 | 2,2',5,5'-Tetrachlorobiphenyl (BZ 52) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9187 | 2,2',6,6'-Tetrachlorobiphenyl (BZ 54) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9188 | 2,2',6-Trichlorobiphenyl (BZ 19) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9189 | 2,2'-Dichlorobiphenyl (BZ 4) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8967 | 2,3,3' + 2,4,4' - Trichlorobiphenyls (BZ 20 + 28) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8932 | 2,3,3',4,4',5 + 2,3,3',4,4',5' - Hexachlorobiphenyls (BZ 156 + 157) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9190 | 2,3,3',4,4',5,5',6-Octachlorobiphenyl (BZ 205) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9085 | 2,3,3',4,4',5,5'-Heptachlorobiphenyl (BZ 189) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9191 | 2,3,3',4,4',5,6-Heptachlorobiphenyl (BZ 190) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9192 | 2,3,3',4,4',5',6-Heptachlorobiphenyl (BZ 191) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9193 | 2,3,3',4,4',6-Hexachlorobiphenyl (BZ 158) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8985 | 2,3,3',4,4'-Pentachlorobiphenyl (BZ 105) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9194 | 2,3,3',4,5,5',6-Heptachlorobiphenyl (BZ 192) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9196 | 2,3,3',4,5,5'-Hexachlorobiphenyl (BZ 159) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 4/30/2018 |
| 9197 | 2,3,3',4',5,5'-Hexachlorobiphenyl (BZ 162) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9198 | 2,3,3',4,5,6-Hexachlorobiphenyl (BZ 160) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9200 | 2,3,3',4,5',6-Hexachlorobiphenyl (BZ 161) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9201 | 2,3,3',4',5',6-Hexachlorobiphenyl (BZ 164) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9204 | 2,3,3',4,5-Pentachlorobiphenyl (BZ 106) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9202 | 2,3,3',4',5'-Pentachlorobiphenyl (BZ 122) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8938 | 2,3,3',4',6 + 2,3,4,4',6 - Pentachlorobiphenyls (BZ 110 + 115) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9206 | 2,3,3',4,6-Pentachlorobiphenyl (BZ 109) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9208 | 2,3,3',4-Tetrachlorobiphenyl (BZ 55) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9207 | 2,3,3',4'-Tetrachlorobiphenyl (BZ 56) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9209 | 2,3,3',5,5',6-Hexachlorobiphenyl (BZ 165) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9210 | 2,3,3',5,5'-Pentachlorobiphenyl (BZ 111) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9211 | 2,3,3',5,6-Pentachlorobiphenyl (BZ 112) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9214 | 2,3,3',5-Tetrachlorobiphenyl (BZ 57) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9213 | 2,3,3',5'-Tetrachlorobiphenyl (BZ 58) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8962 | 2,3,3',6 + 2,3,4,6 + 2,4,4',6 - Tetrachlorobiphenyls (BZ 59 + 62 + 75) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8968 | 2,3,4 + 2,3',4' - Trichlorobiphenyls (BZ 21 + 33) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9055 | 2,3',4,4',5,5'-Hexachlorobiphenyl (BZ 167) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9005 | 2,3,4,4',5-Pentachlorobiphenyl (BZ 114) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8995 | 2,3',4,4',5-Pentachlorobiphenyl (BZ 118) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9000 | 2,3',4,4',5'-Pentachlorobiphenyl (BZ 123) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9221 | 2,3,4,4'-Tetrachlorobiphenyl (BZ 60) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8960 | 2,3',4,4'-Tetrachlorobiphenyl (BZ 66) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8963 | 2,3,4,5 + 2,3',4',5 + 2,4,4',5 + 2,3',4',5' - Tetrachlorobiphenyls (BZ 61 + 70 + 74 + 76) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9223 | 2,3',4,5,5'-Pentachlorobiphenyl (BZ 120) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9226 | 2,3',4,5',6-Pentachlorobiphenyl (BZ 121) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9233 | 2,3,4',5-Tetrachlorobiphenyl (BZ 63) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9232 | 2,3',4,5-Tetrachlorobiphenyl (BZ 67) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9231 | 2,3',4,5'-Tetrachlorobiphenyl (BZ 68) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9236 | 2,3,4',6-Tetrachlorobiphenyl (BZ 64) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9240 | 2,3',4-Trichlorobihenyl (BZ 25) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9241 | 2,3,4'-Trichlorobiphenyl (BZ 22) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8969 | 2,3',5 + 2,4,5 - Trichlorobiphenyls (BZ 26 + 29) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9242 | 2,3',5,5'-Tetrachlorobiphenyl (BZ 72) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9245 | 2,3,5-Trichlorobihenyl (BZ 23) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9246 | 2,3',5'-Trichlorobihenyl (BZ 34) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9248 | 2,3',6-Trichlorobihenyl (BZ 27) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9247 | 2,3,6-Trichlorobiphenyl (BZ 24) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9612 | 2,3,7,8-TCDF | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9612 | 2,3,7,8-TCDF | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 8920 | 2,3-Dichlorobiphenyl (BZ 5) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9249 | 2,3'-Dichlorobiphenyl (BZ 6) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8940 | 2,4',5-Trichlorobiphenyl (BZ 31) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9255 | 2,4',6-Trichlorobihenyl (BZ 32) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9257 | 2,4-Dichlorobiphenyl (BZ 7) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9256 | 2,4'-Dichlorobiphenyl (BZ 8) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 4/30/2018 |
| 9258 | 2,5-Dichlorobiphenyl (BZ 9) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9259 | 2,6-Dichlorophenyl (BZ 10) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8915 | 2-Chlorobiphenyl (BZ 1) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9340 | 2H,2H,3H,3H-Perfluorodecanoic Acid (7:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9338 | 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9060 | 3,3',4,4',5,5'-Hexachlorobiphenyl (BZ 169) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9015 | 3,3',4,4',5-Pentachlorobiphenyl (BZ 126) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8965 | 3,3',4,4'-Tetrachlorobiphenyl (BZ 77) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9260 | 3,3',4,5,5'-Pentachlorobiphenyl (BZ 127) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9262 | 3,3',4,5-Tetrachlorobiphenyl (BZ 78) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9261 | 3,3',4,5'-Tetrachlorobiphenyl (BZ 79) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9263 | 3,3',4-Trichlorobihenyl (BZ 35) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9264 | 3,3',5,5'-Tetrachlorobiphenyl (BZ 80) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9265 | 3,3',5-Trichlorobihenyl (BZ 36) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8925 | 3,3'-Dichlorobiphenyl (BZ 11) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8914 | 3,4 + 3,4' - Dichlorobiphenyls (BZ 12 + 13) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8970 | 3,4,4',5-Tetrachlorobiphenyl (BZ 81) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9266 | 3,4,4'-Trichlorobiphenyl (BZ 37) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9267 | 3,4,5-Trichlorobihenyl (BZ 38) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9268 | 3,4',5-Trichlorobihenyl (BZ 39) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9271 | 3,5-Dichlorobiphenyl (BZ 14) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9272 | 3-Chlorobiphenyl (BZ 2) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9353 | 4,4,5,5,6,6,6-Heptafluorohexanoic Acid (3:3 FTCA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9273 | 4,4'-Dichlorobiphenyl (BZ 15) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 6951 | 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9274 | 4-Chlorobiphenyl (BZ 3) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 6952 | 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic Acid (9-ClPF3ONS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 8936 | BZ 107 + 124 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8933 | BZ 197 + 200 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8972 | BZ 86 + 87 + 97 + 108 + 119 + 125 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 8973 | BZ 93 + 98 + 100 + 102 | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9105 | Decachlorobiphenyl (BZ 209) | EPA 1668 | 10129201 | Pesticides-Herbicides-PCB's | 6/24/2011 |
| 9460 | Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9438 | Hpcdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9438 | Hpcdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9444 | Hpcdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9444 | Hpcdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9468 | Hxcdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9468 | Hxcdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9483 | Hxcdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9483 | Hxcdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 4846 | N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6949 | N-Methyl perfluoro-octane sulfonamido ethanol (N-MeFOSE) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 4847 | N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6956 | Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9555 | Pecdd, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9555 | Pecdd, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9552 | Pecdf, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9552 | Pecdf, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 6957 | Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6965 | Perfluoro-3-methoxypropanoic Acid (PFMPA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6966 | Perfluoro-4-methoxybutanoic Acid (PFMBA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6918 | Perfluorobutane Sulfonic Acid (PFBS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6915 | Perfluorobutanoic Acid (PFBA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6920 | Perfluorodecane Sulfonic Acid (PFDS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6905 | Perfluorodecanoic Acid (PFDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6923 | Perfluorododecane Sulfonic Acid (PFDoS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6903 | Perfluorododecanoic Acid (PFDoA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9470 | Perfluoroheptane Sulfonic Acid (PFHpS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6908 | Perfluoroheptanoic Acid (PFHpA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6927 | Perfluorohexane Sulfonic Acid (PFHxS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6913 | Perfluorohexanoic Acid (PFHxA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6929 | Perfluorononane Sulfonic Acid (PFNS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6906 | Perfluorononanoic Acid (PFNA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6917 | Perfluorooctane sulfonamide (PFOSA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6931 | Perfluorooctane sulfonic acid (PFOS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6912 | Perfluorooctanoic Acid (PFOA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6934 | Perfluoropentane Sulfonic Acid (PFPeS) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6914 | Perfluoropentanoic Acid (PFPeA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6902 | Perfluorotetradecanoic acid (PFTDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 6904 | Perfluoroundecanoic acid (PFUnDA) | EPA 1633 | 10123463 | Extractable Organics | 1/24/2025 |
| 9609 | TCDD, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9609 | TCDD, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |
| 9615 | TCDF, total | EPA 1613 | 10120408 | Extractable Organics | 6/24/2011 |
| 9615 | TCDF, total | EPA 8290A | 10187403 | Extractable Organics | 1/30/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87605-59, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87605** **EPA Lab Code:** **MN00064** **(612) 607-1700**

**E87605**
**Pace Analytical Services, LLC - Minneapolis MN**
**1700 Elm Street SE**
**Minneapolis, MN 55414**

**Matrix:** **Air and Emissions**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 9516 | 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF) | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9519 | 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD) | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9420 | 1,2,3,4,6,7,8-Heptachlorodibenzofuran (1,2,3,4,6,7,8-hpcdf) | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9426 | 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (1,2,3,4,6,7,8-hpcdd) | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9423 | 1,2,3,4,7,8,9-Heptachlorodibenzofuran (1,2,3,4,7,8,9-hpcdf) | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9453 | 1,2,3,4,7,8-Hxcdd | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9471 | 1,2,3,4,7,8-Hxcdf | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9456 | 1,2,3,6,7,8-Hxcdd | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9474 | 1,2,3,6,7,8-Hxcdf | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9459 | 1,2,3,7,8,9-Hxcdd | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9477 | 1,2,3,7,8,9-Hxcdf | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9540 | 1,2,3,7,8-Pecdd | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9543 | 1,2,3,7,8-Pecdf | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9480 | 2,3,4,6,7,8-Hxcdf | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9549 | 2,3,4,7,8-Pecdf | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |
| 9612 | 2,3,7,8-TCDF | EPA TO-9A | 10249408 | Extractable Organics | 6/24/2011 |



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87627

PACE ANALYTICAL SERVICES, LLC-HUNTERSVILLE NC
9800 KINCEY AVE., SUITE 100
HUNTERSVILLE, NC 28078

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87627-42-07/01/2024
Supersedes all previously issued certificates

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 504.1 | 10082801 | Synthetic Organic Contaminants | 7/2/2012 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 504.1 | 10082801 | Synthetic Organic Contaminants | 7/2/2012 |
| 9312 | Bromoacetic acid | EPA 552.2 | 10095804 | Group I Unregulated Contaminants | 7/2/2012 |
| 4395 | Bromodichloromethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 2/2/2017 |
| 4400 | Bromoform | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 2/2/2017 |
| 9336 | Chloroacetic acid | EPA 552.2 | 10095804 | Group I Unregulated Contaminants | 7/2/2012 |
| 4505 | Chloroform | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 2/2/2017 |
| 9357 | Dibromoacetic acid | EPA 552.2 | 10095804 | Group I Unregulated Contaminants | 7/2/2012 |
| 4575 | Dibromochloromethane | EPA 524.2 | 10088809 | Group II Unregulated Contaminants | 2/2/2017 |
| 9360 | Dichloroacetic acid | EPA 552.2 | 10095804 | Group I Unregulated Contaminants | 7/2/2012 |
| 9414 | Total haloacetic acids (HAA5) | EPA 552.2 | 10095804 | Synthetic Organic Contaminants | 7/2/2012 |
| 5205 | Total trihalomethanes | EPA 524.2 | 10088809 | Other Regulated Contaminants | 2/2/2017 |
| 9642 | Trichloroacetic acid | EPA 552.2 | 10095804 | Group I Unregulated Contaminants | 7/2/2012 |







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**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5160 | 1,1,1-Trichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5165 | 1,1,2-Trichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4630 | 1,1-Dichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4630 | 1,1-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4640 | 1,1-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4640 | 1,1-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4670 | 1,1-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5182 | 1,2,3-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6715 | 1,2,4,5-Tetrachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8011 | 10173009 | Volatile Organics | 7/2/2012 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8011 | 10173009 | Volatile Organics | 7/2/2012 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4610 | 1,2-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4610 | 1,2-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4635 | 1,2-Dichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4635 | 1,2-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4655 | 1,2-Dichloropropane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4655 | 1,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6220 | 1,2-Diphenylhydrazine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6411 | 1,2-Diphenylhydrazine (as Azobenzene) | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87627** **EPA Lab Code: NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6885 | 1,3,5-Trinitrobenzene (1,3,5-TNB) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4615 | 1,3-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4615 | 1,3-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4660 | 1,3-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6160 | 1,3-Dinitrobenzene (1,3-DNB) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4620 | 1,4-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4620 | 1,4-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6420 | 1,4-Naphthoquinone | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6630 | 1,4-Phenylenediamine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6380 | 1-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6425 | 1-Naphthylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4665 | 2,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 9618 | 2,3,7,8-TCDD (Dioxin, 2,3,7,8-Tetrachlorodibenzo-p-dioxin) | EPA 625.1 | 10300024 | Extractable Organics | 11/8/2019 |
| 9363 | 2,3-Dichloroaniline | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6835 | 2,4,5-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6840 | 2,4,6-Trichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6840 | 2,4,6-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6000 | 2,4-Dichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6000 | 2,4-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6130 | 2,4-Dimethylphenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6130 | 2,4-Dimethylphenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6175 | 2,4-Dinitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6175 | 2,4-Dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6005 | 2,6-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5515 | 2-Acetylaminofluorene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5795 | 2-Chloronaphthalene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5795 | 2-Chloronaphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5800 | 2-Chlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5800 | 2-Chlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4535 | 2-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4860 | 2-Hexanone | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6430 | 2-Naphthylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6460 | 2-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6490 | 2-Nitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6490 | 2-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5050 | 2-Picoline (2-Methylpyridine) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6103 | 3,3-Dimethyl-1-butanol | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6120 | 3,3'-Dimethylbenzidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 625.1 | 10300024 | Extractable Organics | 11/8/2019 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6355 | 3-Methylcholanthrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6465 | 3-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7355 | 4,4'-DDD | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7360 | 4,4'-DDE | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7365 | 4,4'-DDT | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID: E87627** **EPA Lab Code: NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5540 | 4-Aminobiphenyl | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5700 | 4-Chloro-3-methylphenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5700 | 4-Chloro-3-methylphenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5745 | 4-Chloroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5825 | 4-Chlorophenyl phenylether | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5825 | 4-Chlorophenyl phenylether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4540 | 4-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6105 | 4-Dimethyl aminoazobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6470 | 4-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6500 | 4-Nitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6500 | 4-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6510 | 4-Nitroquinoline 1-oxide | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6570 | 5-Nitro-o-toluidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6115 | 7,12-Dimethylbenz(a) anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6125 | a,a-Dimethylphenethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5500 | Acenaphthene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5505 | Acenaphthylene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4315 | Acetone | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4315 | Acetone | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4320 | Acetonitrile | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5510 | Acetophenone | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5510 | Acetophenone | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4325 | Acrolein (Propenal) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4325 | Acrolein (Propenal) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4340 | Acrylonitrile | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4340 | Acrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7025 | Aldrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6700 | alpha-Terpineol | EPA 625.1 | 10300024 | Extractable Organics | 11/8/2019 |
| 5545 | Aniline | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5545 | Aniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5555 | Anthracene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5560 | Aramite | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8912 | Aroclor-1262 (PCB-1262) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8913 | Aroclor-1268 (PCB-1268) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7065 | Atrazine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5570 | Benzaldehyde | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4375 | Benzene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4375 | Benzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5595 | Benzidine | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5595 | Benzidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5575 | Benzo(a)anthracene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5580 | Benzo(a)pyrene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5585 | Benzo(b)fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID: E87627** **EPA Lab Code: NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5590 | Benzo(g,h,i)perylene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5600 | Benzo(k)fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5610 | Benzoic acid | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5610 | Benzoic acid | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5630 | Benzyl alcohol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6703 | Biphenyl (1,1-Biphenyl, BZ 0) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5765 | bis(2-Chloroethyl) ether | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5765 | bis(2-Chloroethyl) ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4385 | Bromobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4390 | Bromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4395 | Bromodichloromethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4395 | Bromodichloromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4400 | Bromoform | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4400 | Bromoform | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5670 | Butyl benzyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5670 | Butyl benzyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7180 | Caprolactam | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5680 | Carbazole | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5680 | Carbazole | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4450 | Carbon disulfide | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4455 | Carbon tetrachloride | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4455 | Carbon tetrachloride | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7250 | Chlordane (tech.) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 4475 | Chlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4475 | Chlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7260 | Chlorobenzilate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4485 | Chloroethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4485 | Chloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4505 | Chloroform | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4505 | Chloroform | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

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**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4525 | Chloroprene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5855 | Chrysene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4680 | cis-1,3-Dichloropropene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4600 | cis-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4555 | Cyclohexane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4560 | Cyclohexanone | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7105 | delta-BHC | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7405 | Diallate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5895 | Dibenz(a,h)anthracene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5905 | Dibenzofuran | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4575 | Dibromochloromethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4575 | Dibromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4595 | Dibromomethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4625 | Dichlorodifluoromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7470 | Dieldrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 9369 | Diesel range organics (DRO) | EPA 8015C | 10173816 | Volatile Organics | 12/22/2022 |
| 4725 | Diethyl ether | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6070 | Diethyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6070 | Diethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 9375 | Di-isopropylether (DIPE) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7475 | Dimethoate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6135 | Dimethyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6135 | Dimethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5925 | Di-n-butyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5925 | Di-n-butyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6200 | Di-n-octyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6200 | Di-n-octyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 8620 | Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |

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**State Laboratory ID: E87627** **EPA Lab Code: NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6210 | Diphenyl ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6205 | Diphenylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7510 | Endosulfan I | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7515 | Endosulfan II | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7520 | Endosulfan sulfate | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7540 | Endrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7530 | Endrin aldehyde | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4747 | Ethane | RSK-175 | 10212905 | Volatile Organics | 2/2/2017 |
| 4750 | Ethanol | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4755 | Ethyl acetate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4810 | Ethyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6260 | Ethyl methanesulfonate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4765 | Ethylbenzene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4765 | Ethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4752 | Ethylene | RSK-175 | 10212905 | Volatile Organics | 2/2/2017 |
| 4770 | Ethyl-t-butylether (ETBE) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7580 | Famphur | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6265 | Fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6270 | Fluorene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 9408 | Gasoline range organics (GRO) | EPA 8015C | 10173816 | Volatile Organics | 12/22/2022 |
| 7685 | Heptachlor | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7690 | Heptachlor epoxide | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87627** **EPA Lab Code: NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6275 | Hexachlorobenzene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6275 | Hexachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4835 | Hexachlorobutadiene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 4835 | Hexachlorobutadiene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4835 | Hexachlorobutadiene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6285 | Hexachlorocyclopentadiene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6285 | Hexachlorocyclopentadiene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4840 | Hexachloroethane | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 4840 | Hexachloroethane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6290 | Hexachlorophene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6295 | Hexachloropropene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7725 | Isodrin | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6320 | Isophorone | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6320 | Isophorone | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4900 | Isopropylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6325 | Isosafrole | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7740 | Kepone | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4925 | Methacrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4926 | Methane | RSK-175 | 10212905 | Volatile Organics | 2/2/2017 |
| 6345 | Methapyrilene | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4940 | Methyl acetate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4950 | Methyl bromide (Bromomethane) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4960 | Methyl chloride (Chloromethane) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4990 | Methyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6375 | Methyl methanesulfonate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7825 | Methyl parathion (Parathion, methyl) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4965 | Methylcyclohexane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4975 | Methylene chloride | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4975 | Methylene chloride | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5005 | Naphthalene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5005 | Naphthalene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4435 | n-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5875 | n-Decane | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5875 | n-Decane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4855 | n-Hexane | EPA 624.1 | 10298121 | Extractable Organics | 1/24/2019 |
| 4855 | n-Hexane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5015 | Nitrobenzene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5015 | Nitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6525 | n-Nitrosodiethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6530 | n-Nitrosodimethylamine | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6530 | n-Nitrosodimethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5025 | n-Nitroso-di-n-butylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6535 | n-Nitrosodiphenylamine | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6535 | n-Nitrosodiphenylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6550 | n-Nitrosomethylethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6555 | n-Nitrosomorpholine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6560 | n-Nitrosopiperidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6565 | n-Nitrosopyrrolidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6580 | n-Octadecane | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5090 | n-Propylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 8290 | o,o,o-Triethyl phosphorothioate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 1860 | Oil & Grease | EPA 1664B | 10261617 | General Chemistry | 7/26/2018 |
| 6748 | Oil Range Organics (ORO) | PACE SOP ENV-SOP-HUN1-0019 / GC-FID | 60045092 | Extractable Organics | 7/6/2018 |
| 5145 | o-Toluidine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7955 | Parathion, ethyl | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6590 | Pentachlorobenzene | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5035 | Pentachloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5035 | Pentachloroethane | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6600 | Pentachloronitrobenzene (Quintozene) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6605 | Pentachlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6605 | Pentachlorophenol | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6610 | Phenacetin | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6615 | Phenanthrene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6625 | Phenol | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6625 | Phenol | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7985 | Phorate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6650 | Pronamide (Kerb) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5080 | Propionitrile (Ethyl cyanide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6665 | Pyrene | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5095 | Pyridine | EPA 625.1 | 10300024 | Extractable Organics | 1/24/2019 |
| 5095 | Pyridine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6685 | Safrole | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4440 | sec-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5100 | Styrene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 8155 | Sulfotepp | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4370 | T-amylmethylether (TAME) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4368 | tert-Amyl Alcohol | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 9557 | tert-Butyl Formate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4445 | tert-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5120 | Tetrahydrofuran (THF) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 8235 | Thionazin (Zinophos) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5140 | Toluene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5140 | Toluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 2050 | Total Petroleum Hydrocarbons (TPH) | EPA 1664B | 10261617 | General Chemistry | 7/26/2018 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 1/24/2019 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4700 | trans-1,2-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4685 | trans-1,3-Dichloropropene | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4685 | trans-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5175 | Trichlorofluoromethane | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5175 | Trichlorofluoromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5225 | Vinyl acetate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5235 | Vinyl chloride | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5235 | Vinyl chloride | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5260 | Xylene (total) | EPA 624.1 | 10298121 | Volatile Organics | 1/24/2019 |
| 5260 | Xylene (total) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

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**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4630 | 1,1-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4640 | 1,1-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4670 | 1,1-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5182 | 1,2,3-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6715 | 1,2,4,5-Tetrachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4610 | 1,2-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4635 | 1,2-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4655 | 1,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6220 | 1,2-Diphenylhydrazine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6800 | 1,3,5-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6885 | 1,3,5-Trinitrobenzene (1,3,5-TNB) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4615 | 1,3-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4660 | 1,3-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6160 | 1,3-Dinitrobenzene (1,3-DNB) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4620 | 1,4-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6420 | 1,4-Naphthoquinone | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6630 | 1,4-Phenylenediamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6380 | 1-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6425 | 1-Naphthylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |

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**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4665 | 2,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6835 | 2,4,5-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6840 | 2,4,6-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6000 | 2,4-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6130 | 2,4-Dimethylphenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6175 | 2,4-Dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6005 | 2,6-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5515 | 2-Acetylaminofluorene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5795 | 2-Chloronaphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5800 | 2-Chlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4535 | 2-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4860 | 2-Hexanone | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5050 | 2-Picoline (2-Methylpyridine) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6120 | 3,3'-Dimethylbenzidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6355 | 3-Methylcholanthrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6465 | 3-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5540 | 4-Aminobiphenyl | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5700 | 4-Chloro-3-methylphenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5745 | 4-Chloroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5825 | 4-Chlorophenyl phenylether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4540 | 4-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6105 | 4-Dimethyl aminoazobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID: E87627** **EPA Lab Code: NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6470 | 4-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6500 | 4-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6510 | 4-Nitroquinoline 1-oxide | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6570 | 5-Nitro-o-toluidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6115 | 7,12-Dimethylbenz(a) anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6125 | a,a-Dimethylphenethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4315 | Acetone | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4320 | Acetonitrile | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5510 | Acetophenone | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4325 | Acrolein (Propenal) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4340 | Acrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5545 | Aniline | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5560 | Aramite | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8912 | Aroclor-1262 (PCB-1262) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 8913 | Aroclor-1268 (PCB-1268) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7065 | Atrazine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5570 | Benzaldehyde | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4375 | Benzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5595 | Benzidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |

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**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5610 | Benzoic acid | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5630 | Benzyl alcohol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6703 | Biphenyl (1,1-Biphenyl, BZ 0) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5765 | bis(2-Chloroethyl) ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4385 | Bromobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4390 | Bromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4395 | Bromodichloromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4400 | Bromoform | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5670 | Butyl benzyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7180 | Caprolactam | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5680 | Carbazole | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4450 | Carbon disulfide | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4455 | Carbon tetrachloride | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7250 | Chlordane (tech.) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4475 | Chlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7260 | Chlorobenzilate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4485 | Chloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4505 | Chloroform | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4525 | Chloroprene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4600 | cis-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4555 | Cyclohexane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4560 | Cyclohexanone | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7405 | Diallate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5905 | Dibenzofuran | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4575 | Dibromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

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**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4595 | Dibromomethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4625 | Dichlorodifluoromethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 9369 | Diesel range organics (DRO) | EPA 8015C | 10173816 | General Chemistry | 12/22/2022 |
| 4725 | Diethyl ether | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6070 | Diethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 9375 | Di-isopropylether (DIPE) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7475 | Dimethoate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6135 | Dimethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5925 | Di-n-butyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6200 | Di-n-octyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 8620 | Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6210 | Diphenyl ether | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6205 | Diphenylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4750 | Ethanol | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4755 | Ethyl acetate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4810 | Ethyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6260 | Ethyl methanesulfonate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4765 | Ethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4770 | Ethyl-t-butylether (ETBE) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7580 | Famphur | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 9408 | Gasoline range organics (GRO) | EPA 8015C | 10173816 | General Chemistry | 12/22/2022 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6275 | Hexachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |

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**E87627**
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**Huntersville, NC 28078**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4835 | Hexachlorobutadiene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4835 | Hexachlorobutadiene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6285 | Hexachlorocyclopentadiene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4840 | Hexachloroethane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6290 | Hexachlorophene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6295 | Hexachloropropene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7725 | Isodrin | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6320 | Isophorone | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4900 | Isopropylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6325 | Isosafrole | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7740 | Kepone | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5240 | m+p-Xylenes | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4925 | Methacrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6345 | Methapyrilene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4940 | Methyl acetate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4990 | Methyl methacrylate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6375 | Methyl methanesulfonate | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7825 | Methyl parathion (Parathion, methyl) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4965 | Methylcyclohexane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4975 | Methylene chloride | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5005 | Naphthalene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4435 | n-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5875 | n-Decane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4855 | n-Hexane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5015 | Nitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6525 | n-Nitrosodiethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6530 | n-Nitrosodimethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |

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**E87627**
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**Huntersville, NC 28078**

**Matrix: Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5025 | n-Nitroso-di-n-butylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6535 | n-Nitrosodiphenylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4631 | N-Nitrosodiphenylamine / Diphenylamine (analyte pair) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6550 | n-Nitrosomethylethylamine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6555 | n-Nitrosomorpholine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6560 | n-Nitrosopiperidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5090 | n-Propylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 8290 | o,o,o-Triethyl phosphorothioate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6748 | Oil Range Organics (ORO) | PACE SOP ENV-SOP-HUN1-0019 / GC-FID | 60045092 | Extractable Organics | 7/6/2018 |
| 5145 | o-Toluidine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7955 | Parathion, ethyl | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 6590 | Pentachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5035 | Pentachloroethane | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5035 | Pentachloroethane | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6600 | Pentachloronitrobenzene (Quintozene) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6605 | Pentachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6610 | Phenacetin | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6625 | Phenol | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 7985 | Phorate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 4910 | p-Isopropyltoluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6650 | Pronamide (Kerb) | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5080 | Propionitrile (Ethyl cyanide) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 5095 | Pyridine | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 6685 | Safrole | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4440 | sec-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5100 | Styrene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 8155 | Sulfotepp | EPA 8270E | 10242543 | Extractable Organics | 12/22/2022 |
| 4370 | T-amylmethylether (TAME) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4445 | tert-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5120 | Tetrahydrofuran (THF) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87627-42, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87627** **EPA Lab Code:** **NC00014** **(704) 875-9092**

**E87627**
**Pace Analytical Services, LLC-Huntersville NC**
**9800 Kincey Ave., Suite 100**
**Huntersville, NC 28078**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8235 | Thionazin (Zinophos) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 5140 | Toluene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 12/22/2022 |
| 1466 | Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 | 10118806 | General Chemistry | 7/2/2012 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5225 | Vinyl acetate | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5235 | Vinyl chloride | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |
| 5260 | Xylene (total) | EPA 8260D | 10307127 | Volatile Organics | 12/22/2022 |

March 17, 2025
ID#: E87683

Nasreen K. DeRubeis
Pace Analytical Services, LLC-Greensburg, PA
1638 Roseytown Road, Suites 2, 3 & 4
Greensburg, PA 15601

Dear Laboratory Director:

For granting and maintaining reciprocal certification, the Florida Department of Health considers the current scope of accreditation issued by the NELAP-recognized primary accreditation body as the basis for that certification. Notification from the state of Pennsylvania, Department of Environmental Protection, that some Fields of Accreditation (FOAs) have been suspended due to Proficiency Testing (PTs) failure. Therefore, reciprocal certification has been suspended for the following FOAs:

**Drinking Water**

| | |
|---|---|
| Strontium-90 | EPA 905.0 |

Please be advised that the Department of Health has made the necessary changes to the scope of your laboratory's certification final as of March 13, 2025. The enclosed Certificate and Laboratory Scope of Accreditation reflects the Fields of Accreditation for which the laboratory is now certified.

The Department of Health will reinstate the affected certifications when the department receives a current copy of the unexpired certification and analyte sheet for your laboratory from the primary NELAP accrediting authority that demonstrate compliance with the provisions of *Florida Administrative Code Rule 64E-1.102(4)(a)*.

If there are any questions regarding this action, please contact the Environmental Laboratory Certification Program immediately at 904-791-1599 or e-mail me at paul.legge@flhealth.gov.

Sincerely,

Paul Legge
Program Administrator
Environmental Laboratory Certification Program

PL\mmm

Enclosures: Certificate and associated Laboratory Scope of Accreditation



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87683

PACE ANALYTICAL SERVICES, LLC-GREENSBURG, PA
1638 ROSEYTOWN ROAD SUITES 2, 3 & 4
GREENSBURG, PA 15601

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - RADIOCHEMISTRY, NON-POTABLE WATER - RADIOCHEMISTRY, SOLID AND CHEMICAL MATERIALS - RADIOCHEMISTRY

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: March 13, 2025 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87683-40-03/13/2025
Supersedes all previously issued certificates

# *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87683-40, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87683** **EPA Lab Code:** **PA01457** **(724) 850-5600**

**E87683**
**Pace Analytical Services, LLC-Greensburg, PA**
**1638 Roseytown Road**
**Suites 2, 3 & 4**
**Greensburg, PA 15601**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2826 | Gamma Emitters | EPA 901.1 | 10308608 | Radiochemistry | 6/23/2020 |
| 2830 | Gross Alpha | EPA 900.0 | 10308200 | Radiochemistry | 7/1/2008 |
| 2830 | Gross Alpha | SM 7110 C (GPC) | 20158605 | Radiochemistry | 7/1/2024 |
| 2830 | Gross Alpha | SM 7110 C (GPC) | 20158401 | Radiochemistry | 7/1/2024 |
| 2840 | Gross Beta | EPA 900.0 | 10308200 | Radiochemistry | 7/1/2008 |
| 2965 | Radium-226 | EPA 903.1 | 10309601 | Radiochemistry | 7/1/2008 |
| 2970 | Radium-228 | EPA 904.0 | 10309805 | Radiochemistry | 7/1/2008 |
| 2980 | Radon-222 | SM 7500-Rn B | 20173700 | Radiochemistry | 7/1/2024 |
| 2750 | Total alpha radium | EPA 903.0 | 10309407 | Radiochemistry | 7/1/2008 |
| 3030 | Tritium | EPA 906.0 | 10310200 | Radiochemistry | 7/1/2008 |
| 1184 | Uranium (mass) | ASTM D5174-97 | 30031608 | Radiochemistry | 7/1/2008 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87683-40, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87683** **EPA Lab Code:** **PA01457** **(724) 850-5600**

**E87683**
**Pace Analytical Services, LLC-Greensburg, PA**
**1638 Roseytown Road**
**Suites 2, 3 & 4**
**Greensburg, PA 15601**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2826 | Gamma Emitters | EPA 901.1 | 10308608 | Radiochemistry | 10/1/2008 |
| 2830 | Gross Alpha | EPA 900.0 | 10308200 | Radiochemistry | 10/1/2008 |
| 2830 | Gross Alpha | EPA 9310 | 10310802 | Radiochemistry | 10/1/2008 |
| 2830 | Gross Alpha | SM 7110 C | 20159028 | Radiochemistry | 10/1/2008 |
| 2840 | Gross Beta | EPA 900.0 | 10308200 | Radiochemistry | 10/1/2008 |
| 2840 | Gross Beta | EPA 9310 | 10310802 | Radiochemistry | 10/1/2008 |
| 2965 | Radium-226 | EPA 903.1 | 10309601 | Radiochemistry | 10/1/2008 |
| 2970 | Radium-228 | EPA 904.0 | 10309805 | Radiochemistry | 10/1/2008 |
| 2970 | Radium-228 | EPA 9320 | 10208603 | Radiochemistry | 10/1/2008 |
| 3005 | Strontium-90 | EPA 905.0 | 10310006 | Radiochemistry | 10/1/2008 |
| 2750 | Total alpha radium | EPA 903.0 | 10309407 | Radiochemistry | 10/1/2008 |
| 2975 | Total radium | EPA 9315 | 10311009 | Radiochemistry | 10/1/2008 |
| 3030 | Tritium | EPA 906.0 | 10310200 | Radiochemistry | 10/1/2008 |
| 1184 | Uranium (mass) | ASTM D5174-97 | 30031608 | Radiochemistry | 4/30/2013 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87683-40, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87683** **EPA Lab Code:** **PA01457** **(724) 850-5600**

**E87683**
**Pace Analytical Services, LLC-Greensburg, PA**
**1638 Roseytown Road**
**Suites 2, 3 & 4**
**Greensburg, PA 15601**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2830 | Gross Alpha | EPA 9310 | 10310802 | Radiochemistry | 10/1/2008 |
| 2840 | Gross Beta | EPA 9310 | 10310802 | Radiochemistry | 10/1/2008 |



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87948

PACE ANALYTICAL SERVICES, LLC- GREEN BAY WI
1241 BELLEVUE STREET
GREEN BAY, WI 54302

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCB'S, NON-POTABLE WATER - VOLATILE ORGANICS, SOLID AND CHEMICAL MATERIALS - EXTRACTABLE ORGANICS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS, SOLID AND CHEMICAL MATERIALS - PESTICIDES-HERBICIDES-PCB'S, SOLID AND CHEMICAL MATERIALS - VOLATILE ORGANICS, BIOLOGICAL TISSUE - EXTRACTABLE ORGANICS, BIOLOGICAL TISSUE - METALS, BIOLOGICAL TISSUE - PESTICIDES-HERBICIDES-PCB'S

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87948-47-07/01/2024
Supersedes all previously issued certificates

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5160 | 1,1,1-Trichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5165 | 1,1,2-Trichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4630 | 1,1-Dichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4630 | 1,1-Dichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4630 | 1,1-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4640 | 1,1-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4640 | 1,1-Dichloroethylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4640 | 1,1-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4670 | 1,1-Dichloropropene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4670 | 1,1-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6715 | 1,2,4,5-Tetrachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4610 | 1,2-Dichlorobenzene | EPA 625 | 10107401 | Extractable Organics | 4/1/2005 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4635 | 1,2-Dichloroethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4635 | 1,2-Dichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4635 | 1,2-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4655 | 1,2-Dichloropropane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4655 | 1,2-Dichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4655 | 1,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6220 | 1,2-Diphenylhydrazine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4615 | 1,3-Dichlorobenzene | EPA 625 | 10107401 | Extractable Organics | 4/1/2005 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4660 | 1,3-Dichloropropane | EPA 624.1 | 10298121 | Volatile Organics | 6/22/2024 |
| 4660 | 1,3-Dichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4660 | 1,3-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4620 | 1,4-Dichlorobenzene | EPA 625 | 10107401 | Extractable Organics | 4/1/2005 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6380 | 1-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 6/22/2024 |
| 4665 | 2,2-Dichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4665 | 2,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6835 | 2,4,5-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6840 | 2,4,6-Trichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6840 | 2,4,6-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6000 | 2,4-Dichlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6000 | 2,4-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6130 | 2,4-Dimethylphenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6130 | 2,4-Dimethylphenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6175 | 2,4-Dinitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6175 | 2,4-Dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5795 | 2-Chloronaphthalene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5795 | 2-Chloronaphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5800 | 2-Chlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5800 | 2-Chlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4535 | 2-Chlorotoluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4535 | 2-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4860 | 2-Hexanone | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4860 | 2-Hexanone | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6385 | 2-Methylnaphthalene | EPA 8260D | 10307127 | Extractable Organics | 6/22/2024 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6460 | 2-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6490 | 2-Nitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6490 | 2-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6465 | 3-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7355 | 4,4'-DDD | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7360 | 4,4'-DDE | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7365 | 4,4'-DDT | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5700 | 4-Chloro-3-methylphenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5700 | 4-Chloro-3-methylphenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5745 | 4-Chloroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5825 | 4-Chlorophenyl phenylether | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5825 | 4-Chlorophenyl phenylether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4540 | 4-Chlorotoluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4540 | 4-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6470 | 4-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6500 | 4-Nitrophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6500 | 4-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5500 | Acenaphthene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5505 | Acenaphthylene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4315 | Acetone | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4315 | Acetone | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4320 | Acetonitrile | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4320 | Acetonitrile | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5510 | Acetophenone | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5510 | Acetophenone | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1500 | Acidity, as CaCO3 | EPA 305.1 | 10054203 | General Chemistry | 4/1/2005 |
| 1500 | Acidity, as CaCO3 | SM 2310 B-2011 | 20044615 | General Chemistry | 7/8/2022 |
| 4325 | Acrolein (Propenal) | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4325 | Acrolein (Propenal) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4325 | Acrolein (Propenal) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4340 | Acrylonitrile | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4340 | Acrylonitrile | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4340 | Acrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7005 | Alachlor | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7025 | Aldrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1505 | Alkalinity as CaCO3 | EPA 310.2 | 10055206 | General Chemistry | 4/1/2005 |
| 1505 | Alkalinity as CaCO3 | SM 2320 B-2011 | 20045618 | General Chemistry | 6/22/2024 |
| 4350 | Allyl alcohol | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7240 | alpha-Chlordane | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1000 | Aluminum | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1000 | Aluminum | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1000 | Aluminum | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1000 | Aluminum | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1000 | Aluminum | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7035 | Ametryn | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1515 | Ammonia as N | EPA 350.1 | 10063602 | General Chemistry | 4/1/2005 |
| 5545 | Aniline | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5545 | Aniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5555 | Anthracene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1005 | Antimony | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1005 | Antimony | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1005 | Antimony | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1005 | Antimony | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1005 | Antimony | EPA 6020B | 10156420 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 8880 | Aroclor-1016 (PCB-1016) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1010 | Arsenic | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1010 | Arsenic | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1010 | Arsenic | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1010 | Arsenic | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1010 | Arsenic | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7065 | Atrazine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1015 | Barium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1015 | Barium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1015 | Barium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1015 | Barium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1015 | Barium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 4375 | Benzene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4375 | Benzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 4375 | Benzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4375 | Benzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5595 | Benzidine | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5595 | Benzidine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5575 | Benzo(a)anthracene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5580 | Benzo(a)pyrene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5585 | Benzo(b)fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5590 | Benzo(g,h,i)perylene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5600 | Benzo(k)fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5610 | Benzoic acid | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5630 | Benzyl alcohol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1020 | Beryllium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1020 | Beryllium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1020 | Beryllium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1020 | Beryllium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1020 | Beryllium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1530 | Biochemical oxygen demand | SM 5210 B-2016 | 20135039 | General Chemistry | 7/8/2022 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5765 | bis(2-Chloroethyl) ether | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5765 | bis(2-Chloroethyl) ether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1025 | Boron | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1025 | Boron | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1025 | Boron | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1025 | Boron | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1025 | Boron | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7130 | Bromacil | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1540 | Bromide | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 1540 | Bromide | EPA 9056A | 10199607 | General Chemistry | 3/28/2023 |
| 4385 | Bromobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4385 | Bromobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4390 | Bromochloromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4390 | Bromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4395 | Bromodichloromethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4395 | Bromodichloromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4395 | Bromodichloromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4400 | Bromoform | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4400 | Bromoform | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |

## *Laboratory Scope of Accreditation*

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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4400 | Bromoform | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5670 | Butyl benzyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5670 | Butyl benzyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7175 | Butylate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1030 | Cadmium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1030 | Cadmium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1030 | Cadmium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1030 | Cadmium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1030 | Cadmium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1035 | Calcium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1035 | Calcium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1035 | Calcium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1035 | Calcium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5680 | Carbazole | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4450 | Carbon disulfide | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4450 | Carbon disulfide | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4455 | Carbon tetrachloride | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4455 | Carbon tetrachloride | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4455 | Carbon tetrachloride | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1555 | Carbonaceous BOD (CBOD) | SM 5210 B-2016 | 20135039 | General Chemistry | 7/8/2022 |
| 1565 | Chemical oxygen demand | EPA 410.4 | 10077404 | General Chemistry | 4/1/2005 |
| 7250 | Chlordane (tech.) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7250 | Chlordane (tech.) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1575 | Chloride | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 1575 | Chloride | EPA 9056A | 10199607 | General Chemistry | 3/28/2023 |
| 4475 | Chlorobenzene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4475 | Chlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4475 | Chlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4485 | Chloroethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4485 | Chloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4485 | Chloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4505 | Chloroform | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4505 | Chloroform | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4505 | Chloroform | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7300 | Chlorpyrifos | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |

## *Laboratory Scope of Accreditation*



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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1040 | Chromium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1040 | Chromium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1040 | Chromium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1040 | Chromium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1040 | Chromium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1045 | Chromium VI | SM 3500-Cr B-2011 | 20066266 | General Chemistry | 7/8/2022 |
| 5855 | Chrysene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4680 | cis-1,3-Dichloropropene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4600 | cis-1,4-Dichloro-2-butene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4600 | cis-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1050 | Cobalt | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1050 | Cobalt | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1050 | Cobalt | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1050 | Cobalt | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1050 | Cobalt | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1610 | Conductivity | EPA 120.1 | 10006403 | General Chemistry | 4/1/2005 |
| 1055 | Copper | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1055 | Copper | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1055 | Copper | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1055 | Copper | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1055 | Copper | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7340 | Cyanazine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 4555 | Cyclohexane | EPA 8260B | 10184802 | Volatile Organics | 6/22/2024 |
| 7105 | delta-BHC | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7410 | Diazinon | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 5895 | Dibenz(a,h)anthracene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5905 | Dibenzofuran | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4575 | Dibromochloromethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4575 | Dibromochloromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4575 | Dibromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4595 | Dibromomethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4595 | Dibromomethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4625 | Dichlorodifluoromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4625 | Dichlorodifluoromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 8610 | Dichlorovos (DDVP, Dichlorvos) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7470 | Dieldrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 9369 | Diesel range organics (DRO) | EPA 8015C | 10173816 | Extractable Organics | 3/28/2023 |
| 9369 | Diesel range organics (DRO) | WI(95) DRO | 90019457 | Extractable Organics | 6/14/2016 |
| 4725 | Diethyl ether | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4725 | Diethyl ether | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6070 | Diethyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6070 | Diethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7475 | Dimethoate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 6135 | Dimethyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6135 | Dimethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5925 | Di-n-butyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5925 | Di-n-butyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6200 | Di-n-octyl phthalate | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6200 | Di-n-octyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 8625 | Disulfoton | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7510 | Endosulfan I | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7515 | Endosulfan II | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7520 | Endosulfan sulfate | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7540 | Endrin | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7530 | Endrin aldehyde | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7555 | EPTC (Eptam, s-ethyl-dipropyl thio carbamate) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4750 | Ethanol | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4750 | Ethanol | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7565 | Ethion | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7570 | Ethoprop | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 4765 | Ethylbenzene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4765 | Ethylbenzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 4765 | Ethylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4765 | Ethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4770 | Ethyl-t-butylether (ETBE) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4770 | Ethyl-t-butylether (ETBE) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6265 | Fluoranthene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6270 | Fluorene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1730 | Fluoride | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 1730 | Fluoride | EPA 9056A | 10199607 | General Chemistry | 3/28/2023 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7245 | gamma-Chlordane | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 9408 | Gasoline range organics (GRO) | EPA 8015C | 10173816 | Volatile Organics | 3/28/2023 |
| 9408 | Gasoline range organics (GRO) | WI(95) GRO (GC-FID) | 90019468 | Volatile Organics | 5/15/2009 |
| 1750 | Hardness | SM 2340 B-2011 | 20046611 | General Chemistry | 7/8/2022 |
| 1760 | Hardness (calc.) | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1760 | Hardness (calc.) | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 7685 | Heptachlor | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7690 | Heptachlor epoxide | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 6275 | Hexachlorobenzene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6275 | Hexachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4835 | Hexachlorobutadiene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 4835 | Hexachlorobutadiene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4835 | Hexachlorobutadiene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4835 | Hexachlorobutadiene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6285 | Hexachlorocyclopentadiene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6285 | Hexachlorocyclopentadiene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4840 | Hexachloroethane | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 4840 | Hexachloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4840 | Hexachloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4840 | Hexachloroethane | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7705 | Hexazinone | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1780 | Ignitability | EPA 1010B | 10234830 | General Chemistry | 3/28/2023 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1070 | Iron | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1070 | Iron | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1070 | Iron | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1070 | Iron | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6320 | Isophorone | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6320 | Isophorone | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4895 | Isopropyl alcohol (2-Propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4895 | Isopropyl alcohol (2-Propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4900 | Isopropylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4900 | Isopropylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1795 | Kjeldahl nitrogen - total | EPA 351.2 | 10065404 | General Chemistry | 4/1/2005 |
| 1075 | Lead | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1075 | Lead | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1075 | Lead | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1075 | Lead | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1080 | Lithium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1080 | Lithium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5240 | m+p-Xylenes | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5240 | m+p-Xylenes | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5240 | m+p-Xylenes | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1085 | Magnesium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1085 | Magnesium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |







## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1085 | Magnesium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1085 | Magnesium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1085 | Magnesium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7770 | Malathion | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1090 | Manganese | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1090 | Manganese | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1090 | Manganese | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1090 | Manganese | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1090 | Manganese | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1095 | Mercury | EPA 1631E | 10237204 | Metals | 9/22/2023 |
| 1095 | Mercury | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1095 | Mercury | EPA 245.1 | 10036609 | Metals | 6/14/2016 |
| 1095 | Mercury | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1095 | Mercury | EPA 7470A | 10165807 | Metals | 3/28/2023 |
| 7810 | Methoxychlor | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 4950 | Methyl bromide (Bromomethane) | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4960 | Methyl chloride (Chloromethane) | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7825 | Methyl parathion (Parathion, methyl) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4975 | Methylene chloride | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4975 | Methylene chloride | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4975 | Methylene chloride | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7835 | Metolachlor | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7845 | Metribuzin | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1100 | Molybdenum | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1100 | Molybdenum | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1100 | Molybdenum | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1100 | Molybdenum | EPA 6010D | 10155950 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1100 | Molybdenum | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5005 | Naphthalene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5005 | Naphthalene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5005 | Naphthalene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5005 | Naphthalene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6440 | Napropamide | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 4425 | n-Butyl alcohol | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4425 | n-Butyl alcohol | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4435 | n-Butylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4435 | n-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1105 | Nickel | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1105 | Nickel | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1105 | Nickel | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1105 | Nickel | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1105 | Nickel | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1805 | Nitrate | EPA 9056A | 10199607 | General Chemistry | 3/28/2023 |
| 1810 | Nitrate as N | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 1835 | Nitrite | EPA 9056A | 10199607 | General Chemistry | 3/28/2023 |
| 1840 | Nitrite as N | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 5015 | Nitrobenzene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5015 | Nitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6530 | n-Nitrosodimethylamine | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6530 | n-Nitrosodimethylamine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6535 | n-Nitrosodiphenylamine | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6535 | n-Nitrosodiphenylamine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5055 | n-Propanol (1-Propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5055 | n-Propanol (1-Propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5090 | n-Propylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5090 | n-Propylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1865 | Organic nitrogen | TKN minus AMMONIA | 60034437 | General Chemistry | 4/1/2005 |
| 5250 | o-Xylene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5250 | o-Xylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5250 | o-Xylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1115 | Palladium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1115 | Palladium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7955 | Parathion, ethyl | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 6605 | Pentachlorophenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6605 | Pentachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1900 | pH | EPA 9040C | 10244403 | General Chemistry | 3/28/2023 |
| 1900 | pH | SM 4500-H+ B-2011 | 20105220 | General Chemistry | 7/8/2022 |
| 6615 | Phenanthrene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6625 | Phenol | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6625 | Phenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7985 | Phorate | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8000 | Phosmet (Imidan) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1909 | Phosphorus | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1909 | Phosphorus | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1910 | Phosphorus, total | EPA 365.4 | 10071202 | General Chemistry | 4/1/2005 |
| 4910 | p-Isopropyltoluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4910 | p-Isopropyltoluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1120 | Platinum | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1120 | Platinum | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1125 | Potassium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1125 | Potassium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1125 | Potassium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1125 | Potassium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1125 | Potassium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 8035 | Prometon | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8040 | Prometryn | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8045 | Propachlor (Ramrod) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8060 | Propazine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 6665 | Pyrene | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5095 | Pyridine | EPA 625.1 | 10300024 | Extractable Organics | 8/25/2021 |
| 5095 | Pyridine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1955 | Residue-filterable (TDS) | SM 2540 C-2015 | 20050435 | General Chemistry | 7/8/2022 |
| 1960 | Residue-nonfilterable (TSS) | SM 2540 D-2015 | 20051223 | General Chemistry | 7/8/2022 |
| 1950 | Residue-total | SM 2540 B-2015 | 20049438 | General Chemistry | 7/8/2022 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1970 | Residue-volatile | EPA 160.4 | 10010409 | General Chemistry | 4/1/2005 |
| 1970 | Residue-volatile | SM 2540 E-2015 | 20051610 | General Chemistry | 7/8/2022 |
| 4440 | sec-Butylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4440 | sec-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1140 | Selenium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1140 | Selenium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1140 | Selenium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1140 | Selenium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1140 | Selenium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1145 | Silicon | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1150 | Silver | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1150 | Silver | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1150 | Silver | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1150 | Silver | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1150 | Silver | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 8125 | Simazine | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 1155 | Sodium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1155 | Sodium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1155 | Sodium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1155 | Sodium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1155 | Sodium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1160 | Strontium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1160 | Strontium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1160 | Strontium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5100 | Styrene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5100 | Styrene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 2000 | Sulfate | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 2000 | Sulfate | EPA 9056A | 10199607 | General Chemistry | 3/28/2023 |
| 2005 | Sulfide | SM 4500-$S2^-$ F-2011 | 20126663 | General Chemistry | 7/8/2022 |
| 2017 | Sulfur | EPA 200.7 | 10013806 | Metals | 6/22/2024 |
| 2017 | Sulfur | EPA 6010D | 10155950 | Metals | 6/22/2024 |
| 4370 | T-amylmethylether (TAME) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4370 | T-amylmethylether (TAME) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 8180 | Terbacil | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8185 | Terbufos | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |

## *Laboratory Scope of Accreditation*



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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4445 | tert-Butylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4445 | tert-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5120 | Tetrahydrofuran (THF) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1165 | Thallium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1165 | Thallium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1165 | Thallium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1165 | Thallium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1165 | Thallium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1175 | Tin | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1175 | Tin | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1175 | Tin | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1175 | Tin | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1175 | Tin | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1180 | Titanium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1180 | Titanium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1180 | Titanium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1180 | Titanium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1180 | Titanium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5140 | Toluene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5140 | Toluene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5140 | Toluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5140 | Toluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1645 | Total cyanide | EPA 335.4 | 10061402 | General Chemistry | 4/1/2005 |
| 1645 | Total cyanide | EPA 9012B | 10243228 | General Chemistry | 3/28/2023 |
| 1825 | Total nitrate-nitrite | EPA 300.0 | 10053200 | General Chemistry | 4/1/2005 |
| 1825 | Total nitrate-nitrite | EPA 353.2 | 10067604 | General Chemistry | 4/1/2005 |
| 2040 | Total organic carbon | EPA 9060A | 10244823 | General Chemistry | 3/28/2023 |
| 2040 | Total organic carbon | SM 5310 C-2014 | 20138834 | General Chemistry | 7/8/2022 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 608.3 | 10296614 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 4700 | trans-1,2-Dichloroethylene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |

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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4700 | trans-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4685 | trans-1,3-Dichloropropene | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7910 | trans-Nonachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5175 | Trichlorofluoromethane | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5175 | Trichlorofluoromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5175 | Trichlorofluoromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 8295 | Trifluralin (Treflan) | EPA 8270E | 10242543 | Pesticides-Herbicides-PCB's | 6/22/2024 |
| 2055 | Turbidity | EPA 180.1 | 10011800 | General Chemistry | 6/22/2024 |
| 2055 | Turbidity | SM 2130 B-2011 | 20048220 | General Chemistry | 7/8/2022 |
| 1184 | Uranium (mass) | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1184 | Uranium (mass) | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1185 | Vanadium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1185 | Vanadium | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1185 | Vanadium | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1185 | Vanadium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1185 | Vanadium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5225 | Vinyl acetate | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5225 | Vinyl acetate | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5235 | Vinyl chloride | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5235 | Vinyl chloride | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5235 | Vinyl chloride | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5260 | Xylene (total) | EPA 624.1 | 10298121 | Volatile Organics | 8/25/2021 |
| 5260 | Xylene (total) | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5260 | Xylene (total) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5260 | Xylene (total) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1190 | Zinc | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1190 | Zinc | EPA 200.7 | 10013806 | Metals | 6/14/2016 |
| 1190 | Zinc | EPA 200.8 | 10014605 | Metals | 6/14/2016 |
| 1190 | Zinc | EPA 6010D | 10155950 | Metals | 3/28/2023 |







## *Laboratory Scope of Accreditation*

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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1190 | Zinc | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1192 | Zirconium | EPA 6020B | 10156420 | Metals | 3/28/2023 |

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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5105 | 1,1,1,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5160 | 1,1,1-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5110 | 1,1,2,2-Tetrachloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5185 | 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5165 | 1,1,2-Trichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4630 | 1,1-Dichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4630 | 1,1-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4640 | 1,1-Dichloroethylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4640 | 1,1-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4670 | 1,1-Dichloropropene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4670 | 1,1-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5150 | 1,2,3-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5180 | 1,2,3-Trichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6715 | 1,2,4,5-Tetrachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5155 | 1,2,4-Trichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5210 | 1,2,4-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4585 | 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4610 | 1,2-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



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State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4635 | 1,2-Dichloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4635 | 1,2-Dichloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4655 | 1,2-Dichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4655 | 1,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6220 | 1,2-Diphenylhydrazine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5215 | 1,3,5-Trimethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4615 | 1,3-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4660 | 1,3-Dichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4660 | 1,3-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4620 | 1,4-Dichlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4735 | 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4665 | 2,2-Dichloropropane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4665 | 2,2-Dichloropropane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4659 | 2,2'-Oxybis(1-chloropropane),bis(2-Chloro-1-methylethyl)ether (fka bis(2-Chloroisopropyl) ether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6735 | 2,3,4,6-Tetrachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6835 | 2,4,5-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6840 | 2,4,6-Trichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6000 | 2,4-Dichlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6130 | 2,4-Dimethylphenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6175 | 2,4-Dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6185 | 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6190 | 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4410 | 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4500 | 2-Chloroethyl vinyl ether | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5795 | 2-Chloronaphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5800 | 2-Chlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

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**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4535 | 2-Chlorotoluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4535 | 2-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4860 | 2-Hexanone | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4860 | 2-Hexanone | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6400 | 2-Methylphenol (o-Cresol) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6460 | 2-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6490 | 2-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5945 | 3,3'-Dichlorobenzidine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6412 | 3/4-Methylphenols (m/p-Cresols) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6465 | 3-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5660 | 4-Bromophenyl phenyl ether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5700 | 4-Chloro-3-methylphenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5745 | 4-Chloroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5825 | 4-Chlorophenyl phenylether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4540 | 4-Chlorotoluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4540 | 4-Chlorotoluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4995 | 4-Methyl-2-pentanone (MIBK) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6470 | 4-Nitroaniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6500 | 4-Nitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4315 | Acetone | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4315 | Acetone | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4320 | Acetonitrile | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4320 | Acetonitrile | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5510 | Acetophenone | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4325 | Acrolein (Propenal) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4325 | Acrolein (Propenal) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4340 | Acrylonitrile | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4340 | Acrylonitrile | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4355 | Allyl chloride (3-Chloropropene) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1000 | Aluminum | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1000 | Aluminum | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1000 | Aluminum | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1515 | Ammonia as N | EPA 350.1 | 10063602 | General Chemistry | 4/1/2005 |
| 5545 | Aniline | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1005 | Antimony | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1005 | Antimony | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1005 | Antimony | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1010 | Arsenic | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1010 | Arsenic | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1010 | Arsenic | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1015 | Barium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1015 | Barium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1015 | Barium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 4375 | Benzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 4375 | Benzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4375 | Benzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5595 | Benzidine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5610 | Benzoic acid | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5630 | Benzyl alcohol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1020 | Beryllium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1020 | Beryllium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1020 | Beryllium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5760 | bis(2-Chloroethoxy)methane | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5765 | bis(2-Chloroethyl) ether | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1025 | Boron | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1025 | Boron | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1025 | Boron | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 4385 | Bromobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4385 | Bromobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4390 | Bromochloromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4390 | Bromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4395 | Bromodichloromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4395 | Bromodichloromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4400 | Bromoform | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4400 | Bromoform | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5670 | Butyl benzyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1030 | Cadmium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1030 | Cadmium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1030 | Cadmium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1035 | Calcium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1035 | Calcium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5680 | Carbazole | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4450 | Carbon disulfide | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4450 | Carbon disulfide | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4455 | Carbon tetrachloride | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4455 | Carbon tetrachloride | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7250 | Chlordane (tech.) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 4475 | Chlorobenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4475 | Chlorobenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4485 | Chloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4485 | Chloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4505 | Chloroform | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4505 | Chloroform | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1040 | Chromium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1040 | Chromium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1040 | Chromium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4645 | cis-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4680 | cis-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4600 | cis-1,4-Dichloro-2-butene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4600 | cis-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1050 | Cobalt | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1050 | Cobalt | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1050 | Cobalt | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1055 | Copper | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1055 | Copper | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1055 | Copper | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 6065 | Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5905 | Dibenzofuran | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4575 | Dibromochloromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4575 | Dibromochloromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4595 | Dibromomethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4595 | Dibromomethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4625 | Dichlorodifluoromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4625 | Dichlorodifluoromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 9369 | Diesel range organics (DRO) | EPA 8015C | 10173816 | Extractable Organics | 3/28/2023 |
| 9369 | Diesel range organics (DRO) | WI(95) DRO | 90019457 | Extractable Organics | 6/14/2016 |
| 4725 | Diethyl ether | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4725 | Diethyl ether | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6070 | Diethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6135 | Dimethyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5925 | Di-n-butyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6200 | Di-n-octyl phthalate | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 4750 | Ethanol | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4750 | Ethanol | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4765 | Ethylbenzene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 4765 | Ethylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4765 | Ethylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4770 | Ethyl-t-butylether (ETBE) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4770 | Ethyl-t-butylether (ETBE) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 9408 | Gasoline range organics (GRO) | EPA 8015C | 10173816 | Volatile Organics | 3/28/2023 |
| 9408 | Gasoline range organics (GRO) | WI(95) GRO (GC-FID) | 90019468 | Volatile Organics | 5/15/2009 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 6275 | Hexachlorobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4835 | Hexachlorobutadiene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4835 | Hexachlorobutadiene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4835 | Hexachlorobutadiene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6285 | Hexachlorocyclopentadiene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4840 | Hexachloroethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4840 | Hexachloroethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4840 | Hexachloroethane | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1780 | Ignitability | EPA 1010B | 10234830 | General Chemistry | 3/28/2023 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4870 | Iodomethane (Methyl iodide) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1070 | Iron | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1070 | Iron | EPA 6010D | 10155950 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1070 | Iron | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4875 | Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 6320 | Isophorone | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4895 | Isopropyl alcohol (2-Propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4895 | Isopropyl alcohol (2-Propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4900 | Isopropylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4900 | Isopropylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1795 | Kjeldahl nitrogen - total | EPA 351.2 | 10065404 | General Chemistry | 4/1/2005 |
| 1075 | Lead | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1075 | Lead | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1075 | Lead | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1080 | Lithium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1085 | Magnesium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1085 | Magnesium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1085 | Magnesium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1090 | Manganese | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1090 | Manganese | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1090 | Manganese | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1095 | Mercury | EPA 1631B | 10122802 | Metals | 6/14/2016 |
| 1095 | Mercury | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1095 | Mercury | EPA 7471B | 10166457 | Metals | 3/28/2023 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4950 | Methyl bromide (Bromomethane) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4960 | Methyl chloride (Chloromethane) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5000 | Methyl tert-butyl ether (MTBE) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4975 | Methylene chloride | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4975 | Methylene chloride | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1100 | Molybdenum | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1100 | Molybdenum | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1100 | Molybdenum | EPA 6020B | 10156420 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 5005 | Naphthalene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5005 | Naphthalene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5005 | Naphthalene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 4425 | n-Butyl alcohol | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4425 | n-Butyl alcohol | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4435 | n-Butylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4435 | n-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1105 | Nickel | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1105 | Nickel | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1105 | Nickel | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5015 | Nitrobenzene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6530 | n-Nitrosodimethylamine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6545 | n-Nitrosodi-n-propylamine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6535 | n-Nitrosodiphenylamine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5055 | n-Propanol (1-Propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5055 | n-Propanol (1-Propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5090 | n-Propylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5090 | n-Propylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1865 | Organic nitrogen | TKN minus AMMONIA | 60034437 | General Chemistry | 4/1/2005 |
| 1434 | Paint Filter Liquids | EPA 9095B | 10245600 | General Chemistry | 3/28/2023 |
| 6605 | Pentachlorophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 8641 | Percent (%) Moisture | ASTM D2974-87 | 30026450 | General Chemistry | 5/15/2009 |
| 1900 | pH | EPA 9040C | 10244403 | General Chemistry | 3/28/2023 |
| 1900 | pH | EPA 9045D | 10198455 | General Chemistry | 3/28/2023 |
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6625 | Phenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1909 | Phosphorus | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1910 | Phosphorus, total | EPA 365.4 | 10071202 | General Chemistry | 4/1/2005 |
| 4910 | p-Isopropyltoluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4910 | p-Isopropyltoluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1125 | Potassium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1125 | Potassium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1125 | Potassium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5095 | Pyridine | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 4440 | sec-Butylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4440 | sec-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1140 | Selenium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1140 | Selenium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1140 | Selenium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1150 | Silver | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1150 | Silver | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1150 | Silver | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1155 | Sodium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1155 | Sodium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1155 | Sodium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1160 | Strontium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5100 | Styrene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5100 | Styrene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1460 | Synthetic Precipitation Leaching Procedure (SPLP) | EPA 1312 | 10119003 | General Chemistry | 4/1/2005 |
| 4370 | T-amylmethylether (TAME) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4420 | tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4445 | tert-Butylbenzene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4445 | tert-Butylbenzene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5115 | Tetrachloroethylene (Perchloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5120 | Tetrahydrofuran (THF) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1165 | Thallium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1165 | Thallium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1165 | Thallium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1175 | Tin | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1175 | Tin | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1180 | Titanium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1180 | Titanium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1180 | Titanium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5140 | Toluene | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5140 | Toluene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5140 | Toluene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1645 | Total cyanide | EPA 9012B | 10243228 | General Chemistry | 3/28/2023 |
| 1825 | Total nitrate-nitrite | EPA 353.2 | 10067604 | General Chemistry | 4/1/2005 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1827 | Total Nitrogen | TKN + Total Nitrate-Nitrite | 60034459 | General Chemistry | 4/1/2005 |
| 2040 | Total organic carbon | EPA 9060A | 10244823 | General Chemistry | 3/28/2023 |
| 2040 | Total organic carbon | Lloyd Khan | 60041001 | General Chemistry | 6/14/2016 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1466 | Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 | 10118806 | General Chemistry | 4/1/2005 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4700 | trans-1,2-Dichloroethylene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4685 | trans-1,3-Dichloropropene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 4605 | trans-1,4-Dichloro-2-butene | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 7910 | trans-Nonachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5170 | Trichloroethene (Trichloroethylene) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5175 | Trichlorofluoromethane | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5175 | Trichlorofluoromethane | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1184 | Uranium (mass) | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1185 | Vanadium | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1185 | Vanadium | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1185 | Vanadium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5225 | Vinyl acetate | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5225 | Vinyl acetate | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5235 | Vinyl chloride | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5235 | Vinyl chloride | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 5260 | Xylene (total) | EPA 8021B | 10174819 | Volatile Organics | 3/28/2023 |
| 5260 | Xylene (total) | EPA 8260B | 10184802 | Volatile Organics | 4/11/2023 |
| 5260 | Xylene (total) | EPA 8260D | 10307127 | Volatile Organics | 3/28/2023 |
| 1190 | Zinc | EPA 6010C | 10155905 | Metals | 4/11/2023 |
| 1190 | Zinc | EPA 6010D | 10155950 | Metals | 3/28/2023 |
| 1190 | Zinc | EPA 6020B | 10156420 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 6360 | 2-Methyl-4,6-dinitrophenol | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6385 | 2-Methylnaphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7355 | 4,4'-DDD | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7360 | 4,4'-DDE | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7365 | 4,4'-DDT | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5500 | Acenaphthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5505 | Acenaphthylene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7025 | Aldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7110 | alpha-BHC (alpha-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7240 | alpha-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1000 | Aluminum | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5555 | Anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1005 | Antimony | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 8880 | Aroclor-1016 (PCB-1016) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8885 | Aroclor-1221 (PCB-1221) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8890 | Aroclor-1232 (PCB-1232) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8895 | Aroclor-1242 (PCB-1242) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8900 | Aroclor-1248 (PCB-1248) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8905 | Aroclor-1254 (PCB-1254) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 8910 | Aroclor-1260 (PCB-1260) | EPA 8082A | 10179358 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1010 | Arsenic | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1015 | Barium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5575 | Benzo(a)anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5580 | Benzo(a)pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5585 | Benzo(b)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5590 | Benzo(g,h,i)perylene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 5600 | Benzo(k)fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1020 | Beryllium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7115 | beta-BHC (beta-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1025 | Boron | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1030 | Cadmium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1035 | Calcium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7250 | Chlordane (tech.) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1040 | Chromium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5855 | Chrysene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1050 | Cobalt | EPA 6020B | 10156420 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1055 | Copper | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 7105 | delta-BHC | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 5895 | Dibenz(a,h)anthracene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7470 | Dieldrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7510 | Endosulfan I | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7515 | Endosulfan II | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7520 | Endosulfan sulfate | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7540 | Endrin | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7530 | Endrin aldehyde | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7535 | Endrin ketone | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 6265 | Fluoranthene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 6270 | Fluorene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 7120 | gamma-BHC (Lindane, gamma-Hexachlorocyclohexane) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7245 | gamma-Chlordane | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7685 | Heptachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7690 | Heptachlor epoxide | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 6315 | Indeno(1,2,3-cd)pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1070 | Iron | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1075 | Lead | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1080 | Lithium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1085 | Magnesium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1090 | Manganese | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1095 | Mercury | EPA 1631B | 10122802 | Metals | 6/16/2016 |
| 1095 | Mercury | EPA 245.6 | 10234001 | Metals | 5/30/2007 |
| 1095 | Mercury | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1095 | Mercury | EPA 7471B | 10166457 | Metals | 3/28/2023 |
| 7810 | Methoxychlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7870 | Mirex | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1100 | Molybdenum | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 5005 | Naphthalene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1105 | Nickel | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 6615 | Phenanthrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1125 | Potassium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 6665 | Pyrene | EPA 8270E | 10242543 | Extractable Organics | 3/28/2023 |
| 1140 | Selenium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1150 | Silver | EPA 6020B | 10156420 | Metals | 3/28/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87948-47, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E87948** EPA Lab Code: **WI01103** **(920) 469-2436**

**E87948**
**Pace Analytical Services, LLC- Green Bay WI**
**1241 Bellevue Street**
**Green Bay, WI 54302**

Matrix: **Biological Tissue**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1155 | Sodium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1160 | Strontium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1165 | Thallium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1180 | Titanium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 8250 | Toxaphene (Chlorinated camphene) | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 7910 | trans-Nonachlor | EPA 8081B | 10178811 | Pesticides-Herbicides-PCB's | 3/28/2023 |
| 1185 | Vanadium | EPA 6020B | 10156420 | Metals | 3/28/2023 |
| 1190 | Zinc | EPA 6020B | 10156420 | Metals | 3/28/2023 |



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E87648

PACE ANALYTICAL SERVICES, LLC-ASHEVILLE NC
2225 RIVERSIDE DRIVE
ASHEVILLE, NC 28804

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E87648-32-07/01/2024
Supersedes all previously issued certificates

# *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87648-32, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87648** **EPA Lab Code:** **NC00030** **(828) 254-7176**

**E87648**
**Pace Analytical Services, LLC-Asheville NC**
**2225 Riverside Drive**
**Asheville, NC 28804**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1505 | Alkalinity as CaCO3 | SM 2320 B-2011 | 20045618 | Primary Inorganic Contaminants | 7/1/2023 |
| 1835 | Nitrite | EPA 353.2 | 10067604 | Primary Inorganic Contaminants | 6/19/2012 |

## *Laboratory Scope of Accreditation*

**Attachment to Certificate #: E87648-32, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87648** **EPA Lab Code:** **NC00030** **(828) 254-7176**

**E87648**
**Pace Analytical Services, LLC-Asheville NC**
**2225 Riverside Drive**
**Asheville, NC 28804**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1505 | Alkalinity as CaCO3 | SM 2320 B-2011 | 20045618 | General Chemistry | 7/1/2023 |
| 1000 | Aluminum | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1000 | Aluminum | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1000 | Aluminum | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1000 | Aluminum | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1515 | Ammonia as N | EPA 350.1 | 10063602 | General Chemistry | 6/19/2012 |
| 1005 | Antimony | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1005 | Antimony | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1005 | Antimony | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1005 | Antimony | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1010 | Arsenic | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1010 | Arsenic | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1010 | Arsenic | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1010 | Arsenic | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1015 | Barium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1015 | Barium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1015 | Barium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1015 | Barium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1020 | Beryllium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1020 | Beryllium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1020 | Beryllium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1020 | Beryllium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1530 | Biochemical oxygen demand | SM 5210 B-2011 | 20135266 | General Chemistry | 7/1/2023 |
| 1023 | Bismuth | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1025 | Boron | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1025 | Boron | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1025 | Boron | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1025 | Boron | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1030 | Cadmium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1030 | Cadmium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1030 | Cadmium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1030 | Cadmium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1035 | Calcium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1035 | Calcium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1035 | Calcium | EPA 6020B | 10156420 | Metals | 7/1/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87648-32, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87648** **EPA Lab Code: NC00030** **(828) 254-7176**

**E87648**
**Pace Analytical Services, LLC-Asheville NC**
**2225 Riverside Drive**
**Asheville, NC 28804**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1555 | Carbonaceous BOD (CBOD) | SM 5210 B-2011 | 20135266 | General Chemistry | 7/1/2023 |
| 1565 | Chemical oxygen demand | SM 5220-D-2011 | 20136816 | General Chemistry | 7/1/2023 |
| 1575 | Chloride | SM 4500-$Cl^-$ E-2011 | 20086811 | General Chemistry | 7/1/2023 |
| 1040 | Chromium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1040 | Chromium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1040 | Chromium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1040 | Chromium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1045 | Chromium VI | EPA 7196A | 10162400 | General Chemistry | 7/1/2023 |
| 1050 | Cobalt | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1050 | Cobalt | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1050 | Cobalt | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1050 | Cobalt | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1610 | Conductivity | EPA 120.1 | 10006403 | General Chemistry | 6/19/2012 |
| 1055 | Copper | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1055 | Copper | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1055 | Copper | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1055 | Copper | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1730 | Fluoride | EPA 300.0 | 10053200 | General Chemistry | 6/19/2012 |
| 1750 | Hardness | SM 2340 B-2011 | 20046611 | General Chemistry | 7/1/2023 |
| 1780 | Ignitability | EPA 1010B | 10234830 | General Chemistry | 7/1/2023 |
| 1070 | Iron | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1070 | Iron | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1070 | Iron | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1070 | Iron | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1795 | Kjeldahl nitrogen - total | EPA 351.2 | 10065404 | General Chemistry | 6/19/2012 |
| 1075 | Lead | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1075 | Lead | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1075 | Lead | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1075 | Lead | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1080 | Lithium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1085 | Magnesium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1085 | Magnesium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1085 | Magnesium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1085 | Magnesium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1090 | Manganese | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1090 | Manganese | EPA 200.8 | 10014605 | Metals | 5/12/2017 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87648-32, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID: E87648** **EPA Lab Code: NC00030** **(828) 254-7176**

**E87648**
**Pace Analytical Services, LLC-Asheville NC**
**2225 Riverside Drive**
**Asheville, NC 28804**

**Matrix: Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1090 | Manganese | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1090 | Manganese | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1095 | Mercury | EPA 245.1 | 10036609 | Metals | 6/19/2012 |
| 1095 | Mercury | EPA 7470A | 10165807 | Metals | 7/1/2023 |
| 1100 | Molybdenum | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1100 | Molybdenum | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1100 | Molybdenum | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1100 | Molybdenum | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1105 | Nickel | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1105 | Nickel | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1105 | Nickel | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1105 | Nickel | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1810 | Nitrate as N | EPA 353.2 | 10067604 | General Chemistry | 6/19/2012 |
| 1820 | Nitrate-nitrite | EPA 353.2 | 10067604 | General Chemistry | 6/19/2012 |
| 1840 | Nitrite as N | EPA 353.2 | 10067604 | General Chemistry | 6/19/2012 |
| 1434 | Paint Filter Liquids | EPA 9095B | 10245600 | General Chemistry | 7/1/2023 |
| 1900 | pH | EPA 9040C | 10244403 | General Chemistry | 7/1/2023 |
| 1910 | Phosphorus, total | EPA 365.1 | 10070005 | General Chemistry | 6/19/2012 |
| 1125 | Potassium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1125 | Potassium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1125 | Potassium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1125 | Potassium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1955 | Residue-filterable (TDS) | SM 2540 C-2011 | 20050413 | General Chemistry | 7/1/2023 |
| 1960 | Residue-nonfilterable (TSS) | SM 2540 D-2011 | 20051212 | General Chemistry | 7/1/2023 |
| 1950 | Residue-total | SM 2540 B-2011 | 20049416 | General Chemistry | 7/1/2023 |
| 1970 | Residue-volatile | EPA 160.4 | 10010409 | General Chemistry | 6/19/2012 |
| 1140 | Selenium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1140 | Selenium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1140 | Selenium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1140 | Selenium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1990 | Silica as SiO2 | EPA 200.7 | 10013806 | Metals | 7/1/2023 |
| 1145 | Silicon | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1150 | Silver | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1150 | Silver | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1150 | Silver | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1150 | Silver | EPA 6020B | 10156420 | Metals | 7/1/2023 |

## *Laboratory Scope of Accreditation*



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**State Laboratory ID:** **E87648** **EPA Lab Code:** **NC00030** **(828) 254-7176**

**E87648**
**Pace Analytical Services, LLC-Asheville NC**
**2225 Riverside Drive**
**Asheville, NC 28804**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1155 | Sodium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1155 | Sodium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1155 | Sodium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1155 | Sodium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1160 | Strontium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 2000 | Sulfate | EPA 300.0 | 10053200 | General Chemistry | 6/19/2012 |
| 2005 | Sulfide | SM 4500-$S2^-$ D-2011 | 20125864 | General Chemistry | 7/1/2023 |
| 1165 | Thallium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1165 | Thallium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1165 | Thallium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1165 | Thallium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1175 | Tin | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1175 | Tin | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1175 | Tin | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1175 | Tin | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1180 | Titanium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1180 | Titanium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1180 | Titanium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1180 | Titanium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1645 | Total cyanide | LACHAT 10-204-00-1-X | 60007183 | General Chemistry | 6/19/2012 |
| 1645 | Total cyanide | SM 4500-$CN^-$ E-2011 | 20096428 | General Chemistry | 7/1/2023 |
| 2040 | Total organic carbon | SM 5310 B-2011 | 20137820 | General Chemistry | 7/1/2023 |
| 1905 | Total phenolics | EPA 420.4 | 10080203 | General Chemistry | 6/19/2012 |
| 1184 | Uranium (mass) | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1185 | Vanadium | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1185 | Vanadium | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1185 | Vanadium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1185 | Vanadium | EPA 6020B | 10156420 | Metals | 7/1/2023 |
| 1190 | Zinc | EPA 200.7 | 10013806 | Metals | 6/19/2012 |
| 1190 | Zinc | EPA 200.8 | 10014605 | Metals | 5/12/2017 |
| 1190 | Zinc | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1190 | Zinc | EPA 6020B | 10156420 | Metals | 7/1/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E87648-32, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E87648** **EPA Lab Code:** **NC00030** **(828) 254-7176**

**E87648**
**Pace Analytical Services, LLC-Asheville NC**
**2225 Riverside Drive**
**Asheville, NC 28804**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1000 | Aluminum | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1005 | Antimony | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1010 | Arsenic | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1015 | Barium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1020 | Beryllium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1025 | Boron | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1030 | Cadmium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1035 | Calcium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1040 | Chromium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1050 | Cobalt | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1055 | Copper | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1780 | Ignitability | EPA 1010B | 10234830 | General Chemistry | 7/1/2023 |
| 1070 | Iron | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1075 | Lead | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1085 | Magnesium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1090 | Manganese | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1095 | Mercury | EPA 7471B | 10166457 | Metals | 7/1/2023 |
| 1100 | Molybdenum | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1105 | Nickel | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1434 | Paint Filter Liquids | EPA 9095B | 10245600 | General Chemistry | 7/1/2023 |
| 1900 | pH | EPA 9045D | 10198455 | General Chemistry | 7/1/2023 |
| 1125 | Potassium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1140 | Selenium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1150 | Silver | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1155 | Sodium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1160 | Strontium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1460 | Synthetic Precipitation Leaching Procedure (SPLP) | EPA 1312 | 10119003 | General Chemistry | 6/19/2012 |
| 1165 | Thallium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1180 | Titanium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1466 | Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 | 10118806 | General Chemistry | 6/19/2012 |
| 1185 | Vanadium | EPA 6010D | 10155950 | Metals | 7/1/2023 |
| 1190 | Zinc | EPA 6010D | 10155950 | Metals | 7/1/2023 |

**B. Price List and List of MDL/PQL**

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# City of Ormond Beach
## LABORATORY TESTING SERVICES
## Bid No. 2025-47

The BIDDER will fill in the MDL listed on the bid sheets and complete the Work, as described herein, for the following price(s):

## Reuse Effluent Analysis

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| Primary & Secondary Drinking Water Standards, including: 504.1,508.1 | Various | WW | 3 | $ 1,196.76 | $ 3,590.25 |
| 515.3, 524.2,Hg,As,Ba,Cd,Cr,Cu, | | | | | |
| Fe, Mn,Ag,Na,Zn,An,Pb,Se,Cl,F,NO3, | | | | | |
| SO4,MBAS,pH,TDS,Radium | | | | | |
| 226/228,Gross Alpha | | | | SEE PERMIT | |
| | | | | | |
| **Effluent Analysis Subtotal** | | | | $ 3,590.25 | |

## Industrial Pre Treatment

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn | 200.7 | WW | See MDL/PQL sheet provided in bid | 5 | $ 47.50 | $ 237.50 |
| Cyanide | 335.3 | WW | See MDL/PQL sheet provided in bid | 5 | $ 18.00 | $ 90.00 |
| Mercury | 1631E | WW | See MDL/PQL sheet provided in bid | 5 | $ 59.00 | $ 295.00 |
| TSS | 160.1 | WW | See MDL/PQL sheet provided in bid | 5 | $ 9.00 | $ 45.00 |
| BOD | 405.1 | WW | See MDL/PQL sheet provided in bid | 5 | $ 16.00 | $ 80.00 |
| TTO (including:624,625,608) | Various | WW | See MDL/PQL sheet provided in bid | 5 | $ 245.00 | $ 1,225.00 |
| | | | | | | |
| **Pre Treatment Subtotal** | | | | | $ 1,972.50 | |

# Wastewater

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Priority Pollutants for Effluent and Influent | Various | WW | See MDL/PQL sheet provided in bid | 2 | $442.00 | $ 884.00 |
| (including: 608, 624, 625, Cyanide, phenolics, Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, Se,Ag,Tl,Zn, Oil & Grease | SEE PERMIT | | | | | |
| 503 Sludge | Various | WW | See MDL/PQL sheet provided in bid | 4 | $ 140.00 | $ 560.00 |
| Cryptosporidium and Giardia | 1623 | WW | See MDL/PQL sheet provided in bid | 1 | $ 865.00 | $ 865.00 |
| Acute Bioassay | EPA 821-R-02-012 (FW acute) (2000.0) | WW | See MDL/PQL sheet provided in bid | 2 | $ 3,560.00 | $ 7,120.00 |
| Low Level Mercury | 1631E | WW | See MDL/PQL sheet provided in bid | 2 | $ 59.00 | $ 118.00 |
| Sampling Disposal Fee for Mercury | | WW | See MDL/PQL sheet provided in bid | 2 | $ 9.00 | $ 18.00 |
| Nickel | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Copper | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Dichlorobromomethane | 524.2 | WW | See MDL/PQL sheet provided in bid | 12 | $ 29.00 | $ 348.00 |
| Zinc | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Sodium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Magnesium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Calcium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Chloride | 300.0 | WW | See MDL/PQL sheet provided in bid | 52 | $ 8.00 | $ 416.00 |
| TDS | 2540C | WW | See MDL/PQL sheet provided in bid | 52 | $ 10.00 | $ 520.00 |
| Fluoride | 300.0 | WW | See MDL/PQL sheet provided in bid | 52 | $ 8.00 | $ 416.00 |
| CBOD | SM5210B | WW | See MDL/PQL sheet provided in bid | 540 | $ 16.00 | $ 8,640.00 |
| TSS | 2540D | WW | See MDL/PQL sheet provided in bid | 644 | $ 9.00 | $ 5,796.00 |
| TKN | 351.2 | WW | See MDL/PQL sheet provided in bid | 540 | $ 15.00 | $ 8,100.00 |
| NOX | 353.2 | WW | See MDL/PQL sheet provided in bid | 260 | $ 8.00 | $ 2,080.00 |
| TP | 365.4 | WW | See MDL/PQL sheet provided in bid | 520 | $ 14.00 | $ 7,280.00 |
| Enterococci | Enterolert/Quant-tray | WW | See MDL/PQL sheet provided in bid | 260 | $ 8.00 | $ 2,080.00 |
| Fecal Coliform | SM9222D | WW | See MDL/PQL sheet provided in bid | 365 | $ 8.00 | $ 2,920.00 |
| Fecal Coliform Additional Costs for Weekend Work | | WW | See MDL/PQL sheet provided in bid | 104 | $ 70.00 | $ 7,280.00 |
| | | | | | | |
| **Wastewater Subtotal** | | | | | $ 56,353.00 | |

## Biosolids

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| 503.13 Sludge Rule (including: | Various | sludge | 4 | $ 140.00 | $ 560.00 |
| Hg,As,Cd,Cr,Cu,Pb,Mo,Ni,K,Se, | | | | | |
| Zn,pH,Total Nitrogen and | | | | | |
| Phosphorus) | | | | | |
| | | | | | |
| **Biosolids Subtotal** | | | | $ 560.00 | |

## Groundwater Monitoring

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Sodium | 6010 | GW | See MDL/PQL sheet provided in bid | 28 | $ 4.75 | $ 133.00 |
| TDS | 160.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 10.00 | $ 280.00 |
| Fecal | SM9222D | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| Turbidity | 180.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| pH | 150.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 6.00 | $ 168.00 |
| Cl | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| Nitrates | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| SO4 | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| TTHM | 524.2 | GW | See MDL/PQL sheet provided in bid | 28 | $ 29.00 | $ 812.00 |
| Bis (2-ethylhexyl) phthalate | 525 | GW | See MDL/PQL sheet provided in bid | 28 | $ 105.00 | $ 2,940.00 |
| | | | | | | |
| **Groundwater Subtotal** | | | | | $ 5,453.00 | |

# Water

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Fluoride | 300.0 | W | See MDL/PQL sheet provided in bid | 12 | $ 8.00 | $ 96.00 |
| HAA5 | 522.1 | W | See MDL/PQL sheet provided in bid | 4 | $ 54.00 | $ 216.00 |
| Lead and Copper | 200.8 | W | See MDL/PQL sheet provided in bid | 37 | $ 14.00 | $ 518.00 |
| Nitrate/Nitrite | 300.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 8.00 | $ 8.00 |
| Nitrite | 300.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 8.00 | $ 8.00 |
| Ortho-phosphorous | 300.0 | W | See MDL/PQL sheet provided in bid | 12 | $ 14.50 | $ 174.00 |
| pH | 150.1 | W | See MDL/PQL sheet provided in bid | 2 | $ 6.00 | $ 12.00 |
| Total Coliforms | SM9223B or SM9222B | W | See MDL/PQL sheet provided in bid | 900 | $ 8.00 | $ 7,200.00 |
| Total Cyanide | 335.3/9012 | W | See MDL/PQL sheet provided in bid | 1 | $ 18.00 | $ 18.00 |
| Total Organic Carbon | SM5310B | W | See MDL/PQL sheet provided in bid | 50 | $ 16.00 | $ 800.00 |
| Thallium | 200.9 | W | See MDL/PQL sheet provided in bid | 1 | $ 4.75 | $ 4.75 |
| TTHM | 524.2 | W | See MDL/PQL sheet provided in bid | 6 | $ 29.00 | $ 174.00 |
| Gross Alpha | 900.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 38.00 | $ 38.00 |
| Radium 226 | 903.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 79.00 | $ 79.00 |
| Radium 228 | 903.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 79.00 | $ 79.00 |
| Endothall | 548.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 65.00 | $ 65.00 |
| Glyphosate | 547 | W | See MDL/PQL sheet provided in bid | 1 | $ 65.00 | $ 65.00 |
| Dioxin | 1613 | W | See MDL/PQL sheet provided in bid | 1 | $ 195.00 | $ 195.00 |
| **Analyte Groups / Calculations** | | | | | | |
| Primary Inorganics | various | W | See MDL/PQL sheet provided in bid | 1 | $ 106.25 | $ 106.25 |
| Secondary Inorganics | various | W | See MDL/PQL sheet provided in bid | 1 | $ 120.50 | $ 120.50 |
| Regulated SOCs | various | W | See MDL/PQL sheet provided in bid | 1 | $ 748.00 | $ 748.00 |
| Regulated VOCs | various | W | See MDL/PQL sheet provided in bid | 1 | $ 55.00 | $ 55.00 |
| Mercury | 7471 | W | See MDL/PQL sheet provided in bid | 1 | $ 16.00 | $ 16.00 |
| Dissolved Oxygen | 360.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 16.00 | $ 16.00 |
| | | | | | | |
| **Water Subtotal** | | | | | $ 10,811.50 | |

## Consumptive Use Permit Samples

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Calcium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Magnesium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Sodium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Potassium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Iron | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Chlorides | 300.0 | W | See MDL/PQL sheet provided in bid | 61 | $ 8.00 | $ 488.00 |
| Sulfate | 300.0 | W | See MDL/PQL sheet provided in bid | 16 | $ 8.00 | $ 128.00 |
| Total Dissolved Solids | 160.1 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Conductivity | 120.1 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Alkalinity Bicarbonate | SM2320 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Alkalinity Carbonate | SM2320 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| | | | | | | |
| **CUP Water Subtotal** | | | | | $ 1,636.00 | |

Occasionally it may be necessary to receive sample results before the normal turn around time. Insert the proposed rush charges in the following matrix as a percentage surcharge over the normal contract price.

| **Turnaround Time** | **Rush Surcharges** |
|---|---|
| **6-7 Working Days** | 1.1X |
| **5 Working Days** | 1.25X |
| **4 Working Days** | 1.5X |
| **3 Working Days** | 1.75X |
| **1-2 Working Days** | 2.5X |

The bid basis for the contract award is the sum of the individual parameters.

**TOTAL BID FOR CONTRACT** **$** 80,376.25
(Figures)

Eighty Thousand three hundred seventy six dollars and twenty five cents

**(Words)**

# Drinking Water MDL/PQL

| Method | Analyte | CAS No. | PQL / LOQ | MDL / LOD | Units |
|---|---|---|---|---|---|
| 4500ClO2-D | Chlorine Dioxide | | 0.2 | 0.11 | mg/L |
| EPA 200.7 | Barium | 7440-39-3 | 10 | 2.4 | ug/L |
| EPA 200.7 | Beryllium | 7440-41-7 | 4 | 0.19 | ug/L |
| EPA 200.7 | Cadmium | 7440-43-9 | 1 | 0.67 | ug/L |
| EPA 200.7 | Calcium | 7440-70-2 | 500 | 500 | ug/L |
| EPA 200.7 | Chromium | 7440-47-3 | 5 | 4.8 | ug/L |
| EPA 200.7 | Iron | 7439-89-6 | 40 | 21 | ug/L |
| EPA 200.7 | Magnesium | 7439-95-4 | 500 | 160 | ug/L |
| EPA 200.7 | Manganese | 7439-96-5 | 5 | 1.3 | ug/L |
| EPA 200.7 | Nickel | 7440-02-0 | 5 | 2 | ug/L |
| EPA 200.7 | Potassium | 7440-09-7 | 1000 | 340 | ug/L |
| EPA 200.7 | Silver | 7440-22-4 | 5 | 2.2 | ug/L |
| EPA 200.7 | Sodium | 7440-23-5 | 2000 | 590 | ug/L |
| EPA 200.7 | Zinc | 7440-66-6 | 20 | 7.7 | ug/L |
| EPA 200.8 | Aluminum | 7429-90-5 | 10 | 8.6 | ug/L |
| EPA 200.8 | Antimony | 7440-36-0 | 1 | 0.88 | ug/L |
| EPA 200.8 | Arsenic | 7440-38-2 | 1 | 0.5 | ug/L |
| EPA 200.8 | Copper | 7440-50-8 | 1 | 0.93 | ug/L |
| EPA 200.8 | Lead | 7439-92-1 | 1 | 0.25 | ug/L |
| EPA 200.8 | Selenium | 7782-49-2 | 1 | 0.83 | ug/L |
| EPA 200.8 | Thallium | 7440-28-0 | 1 | 0.5 | ug/L |
| EPA 245.1 | Mercury | 7439-97-6 | 0.2 | 0.14 | ug/L |
| EPA 300.0 | Chloride | 16887-00-6 | 5 | 2.5 | mg/L |
| EPA 300.0 | Fluoride | 16984-48-8 | 0.05 | 0.015 | mg/L |
| EPA 300.0 | Orthophosphate as P | | 0.1 | 0.085 | mg/L |
| EPA 300.0 | Sulfate | 14808-79-8 | 5 | 2.5 | mg/L |
| EPA 300.1 | Bromate | 15541-45-4 | 1 | 0.64 | ug/L |
| EPA 300.1 | Chlorite | | 5 | 0.56 | ug/L |
| EPA 335.4 | Cyanide | 57-12-5 | 0.01 | 0.005 | mg/L |
| EPA 353.2 | Nitrogen, Nitrate | 14797-55-8 | 0.05 | 0.025 | mg/L |
| EPA 353.2 | Nitrogen, Nitrite | 14797-65-0 | 0.05 | 0.025 | mg/L |
| EPA 353.2 | Nitrogen, NO2 plus NO3 | | 0.05 | 0.025 | mg/L |
| EPA 365.1 | Orthophosphate as P | | 0.004 | 0.0038 | mg/L |
| EPA 504.1 | 1,2-Dibromo-3-chloropropane | 96-12-8 | 0.02 | 0.0064 | ug/L |
| EPA 504.1 | 1,2-Dibromoethane (EDB) | 106-93-4 | 0.01 | 0.0075 | ug/L |
| EPA 505 | Chlordane (Technical) | 57-74-9 | 0.2 | 0.035 | ug/L |
| EPA 505 | PCB, Total | 1336-36-3 | 0.1 | 0.044 | ug/L |
| EPA 505 | PCB-1016 (Aroclor 1016) | 12674-11-2 | 0.1 | 0.043 | ug/L |
| EPA 505 | PCB-1221 (Aroclor 1221) | 11104-28-2 | 0.1 | 0.039 | ug/L |
| EPA 505 | PCB-1232 (Aroclor 1232) | 11141-16-5 | 0.1 | 0.044 | ug/L |
| EPA 505 | PCB-1242 (Aroclor 1242) | 53469-21-9 | 0.1 | 0.031 | ug/L |
| EPA 505 | PCB-1248 (Aroclor 1248) | 12672-29-6 | 0.1 | 0.025 | ug/L |
| EPA 505 | PCB-1254 (Aroclor 1254) | 11097-69-1 | 0.1 | 0.036 | ug/L |
| EPA 505 | PCB-1260 (Aroclor 1260) | 11096-82-5 | 0.1 | 0.029 | ug/L |
| EPA 505 | Toxaphene | 8001-35-2 | 1 | 0.27 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| EPA 515.3 | 2,4,5-TP (Silvex) | 93-72-1 | 0.2 | 0.059 | ug/L |
| EPA 515.3 | 2,4-D | 94-75-7 | 0.1 | 0.096 | ug/L |
| EPA 515.3 | Dalapon | 75-99-0 | 1 | 0.49 | ug/L |
| EPA 515.3 | Dinoseb | 88-85-7 | 0.2 | 0.16 | ug/L |
| EPA 515.3 | Pentachlorophenol | 87-86-5 | 0.04 | 0.014 | ug/L |
| EPA 515.3 | Picloram | 1918-02-1 | 0.1 | 0.04 | ug/L |
| EPA 524.2 | 1,1,1-Trichloroethane | 71-55-6 | 0.5 | 0.5 | ug/L |
| EPA 524.2 | 1,1,2-Trichloroethane | 79-00-5 | 0.5 | 0.34 | ug/L |
| EPA 524.2 | 1,1-Dichloroethene | 75-35-4 | 0.5 | 0.37 | ug/L |
| EPA 524.2 | 1,2,4-Trichlorobenzene | 120-82-1 | 0.5 | 0.35 | ug/L |
| EPA 524.2 | 1,2-Dichlorobenzene | 95-50-1 | 0.5 | 0.4 | ug/L |
| EPA 524.2 | 1,2-Dichloroethane | 107-06-2 | 0.5 | 0.3 | ug/L |
| EPA 524.2 | 1,2-Dichloropropane | 78-87-5 | 0.5 | 0.44 | ug/L |
| EPA 524.2 | 1,4-Dichlorobenzene | 106-46-7 | 0.5 | 0.33 | ug/L |
| EPA 524.2 | Benzene | 71-43-2 | 0.5 | 0.4 | ug/L |
| EPA 524.2 | Bromodichloromethane | 75-27-4 | 1 | 0.5 | ug/L |
| EPA 524.2 | Bromoform | 75-25-2 | 1 | 0.48 | ug/L |
| EPA 524.2 | Carbon tetrachloride | 56-23-5 | 0.5 | 0.36 | ug/L |
| EPA 524.2 | Chlorobenzene | 108-90-7 | 0.5 | 0.31 | ug/L |
| EPA 524.2 | Chloroform | 67-66-3 | 1 | 0.75 | ug/L |
| EPA 524.2 | cis-1,2-Dichloroethene | 156-59-2 | 0.5 | 0.33 | ug/L |
| EPA 524.2 | Dibromochloromethane | 124-48-1 | 1 | 0.47 | ug/L |
| EPA 524.2 | Ethylbenzene | 100-41-4 | 0.5 | 0.37 | ug/L |
| EPA 524.2 | Methylene Chloride | 75-09-2 | 1 | 0.46 | ug/L |
| EPA 524.2 | Styrene | 100-42-5 | 0.5 | 0.27 | ug/L |
| EPA 524.2 | Tetrachloroethene | 127-18-4 | 0.5 | 0.41 | ug/L |
| EPA 524.2 | Toluene | 108-88-3 | 0.5 | 0.28 | ug/L |
| EPA 524.2 | Total Trihalomethanes (Calc.) | | 1 | 0.47 | ug/L |
| EPA 524.2 | trans-1,2-Dichloroethene | 156-60-5 | 0.5 | 0.33 | ug/L |
| EPA 524.2 | Trichloroethene | 79-01-6 | 0.5 | 0.26 | ug/L |
| EPA 524.2 | Vinyl chloride | 75-01-4 | 0.5 | 0.41 | ug/L |
| EPA 524.2 | Xylene (Total) | 1330-20-7 | 1 | 0.11 | ug/L |
| EPA 525.3 | Alachlor | 15972-60-8 | 0.2 | 0.03 | ug/L |
| EPA 525.3 | Atrazine | 1912-24-9 | 0.1 | 0.015 | ug/L |
| EPA 525.3 | Benzo(a)pyrene | 50-32-8 | 0.1 | 0.02 | ug/L |
| EPA 525.3 | bis(2-Ethylhexyl)adipate | 103-23-1 | 1.5 | 0.37 | ug/L |
| EPA 525.3 | bis(2-Ethylhexyl)phthalate | 117-81-7 | 2 | 0.48 | ug/L |
| EPA 525.3 | Endrin | 72-20-8 | 0.0102 | 0.0052 | ug/L |
| EPA 525.3 | gamma-BHC (Lindane) | 58-89-9 | 0.02 | 0.0068 | ug/L |
| EPA 525.3 | Heptachlor | 76-44-8 | 0.04 | 0.014 | ug/L |
| EPA 525.3 | Heptachlor epoxide | 1024-57-3 | 0.02 | 0.0031 | ug/L |
| EPA 525.3 | Hexachlorobenzene | 118-74-1 | 0.1 | 0.015 | ug/L |
| EPA 525.3 | Hexachlorocyclopentadiene | 77-47-4 | 0.1 | 0.025 | ug/L |
| EPA 525.3 | Methoxychlor | 72-43-5 | 0.1 | 0.056 | ug/L |
| EPA 525.3 | Simazine | 122-34-9 | 0.175 | 0.041 | ug/L |
| EPA 531.2 | Carbofuran | 1563-66-2 | 0.9 | 0.59 | ug/L |
| EPA 531.2 | Oxamyl | 23135-22-0 | 2 | 0.46 | ug/L |
| EPA 547 | Glyphosate | | 6 | 4.2 | ug/L |
| EPA 548.1 | Endothall | | 9 | 3.3 | ug/L |
| EPA 549.2 | Diquat | 85-00-7 | 0.4 | 0.16 | ug/L |
| EPA 552.3 | Bromochloroacetic Acid | 5589-96-8 | 1 | 0.4 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| EPA 552.3 | Dibromoacetic Acid | 631-64-1 | 1 | 0.43 | ug/L |
| EPA 552.3 | Dichloroacetic Acid | 79-43-6 | 1 | 0.39 | ug/L |
| EPA 552.3 | Haloacetic Acids (Total) | | 1 | 0.9 | ug/L |
| EPA 552.3 | Monobromoacetic Acid | 79-08-3 | 1 | 0.46 | ug/L |
| EPA 552.3 | Monochloroacetic Acid | 79-11-8 | 1 | 0.9 | ug/L |
| SM2120B | Apparent Color | | 5 | 5 | units |
| SM2120B | True Color | | 5 | 5 | units |
| SM2150B | Threshold Odor Number | | 1 | 1 | TON |
| SM2320B | Alkalinity, Total as CaCO3 | | 5 | 5 | mg/L |
| SM2510B | Specific Conductance @ 25C | | 2 | 2 | umhos/cm |
| SM2540C | Total Dissolved Solids | | 5 | 5 | mg/L |
| SM4500Cl-D | Chloramine | 10599-90-3 | 0.1 | 0.1 | mg/L |
| SM4500Cl-D | Chlorine, Free | 7782-50-5 | 0.1 | 0.1 | mg/L |
| SM4500Cl-D | Chlorine, Total | 7782-50-5 | 0.1 | 0.1 | mg/L |
| SM4500H+B | pH at 25 Degrees C | | 0.1 | 0.1 | Std. Units |
| SM5310B | Total Organic Carbon | 7440-44-0 | 1 | 0.5 | mg/L |
| SM5540C | MBAS, Calculated as LAS | | 0.2 | 0.099 | mg/L |
| EPA 100.2 | Asbestos | | | 0.2 | MFL |
| 1613 | 2,3,7,8-TCDD | | 10 | 2.2 | pq/l |

# Non Potable Water MDL/PQL

| Method | Analyte | CAS No. | PQL / LOQ | MDL / LOD | Units |
|---|---|---|---|---|---|
| EPA 624.1 | 1,1,1-Trichloroethane | 71-55-6 | 1 | 0.3 | ug/L |
| EPA 624.1 | 1,1,2,2-Tetrachloroethane | 79-34-5 | 1 | 0.59 | ug/L |
| EPA 624.1 | 1,1,2-Trichloroethane | 79-00-5 | 1 | 0.3 | ug/L |
| EPA 624.1 | 1,1-Dichloroethane | 75-34-3 | 1 | 0.34 | ug/L |
| EPA 624.1 | 1,1-Dichloroethene | 75-35-4 | 1 | 0.59 | ug/L |
| EPA 624.1 | 1,2-Dichlorobenzene | 95-50-1 | 1 | 0.6 | ug/L |
| EPA 624.1 | 1,2-Dichloroethane | 107-06-2 | 1 | 0.27 | ug/L |
| EPA 624.1 | 1,2-Dichloroethene (Total) | 540-59-0 | 1 | 0.27 | ug/L |
| EPA 624.1 | 1,2-Dichloropropane | 78-87-5 | 1 | 0.23 | ug/L |
| EPA 624.1 | 1,3-Dichlorobenzene | 541-73-1 | 1 | 0.33 | ug/L |
| EPA 624.1 | 1,3-Dichloropropene | 542-75-6 | 1 | 0.37 | ug/L |
| EPA 624.1 | 1,4-Dichlorobenzene | 106-46-7 | 1 | 0.28 | ug/L |
| EPA 624.1 | 2-Chloroethylvinyl ether | 110-75-8 | 40 | 6.08 | ug/L |
| EPA 608.3 | 4,4'-DDD | 72-54-8 | 0.01 | 0.0027 | ug/L |
| EPA 608.3 | 4,4'-DDE | 72-55-9 | 0.01 | 0.005 | ug/L |
| EPA 608.3 | 4,4'-DDT | 50-29-3 | 0.01 | 0.0051 | ug/L |
| EPA 624.1 | Acetone | 67-64-1 | 25 | 8.74 | ug/L |
| EPA 624.1 | Acrolein | 107-02-8 | 20 | 6.2 | ug/L |
| EPA 624.1 | Acrylonitrile | 107-13-1 | 20 | 3.7 | ug/L |
| EPA 608.3 | Aldrin | 309-00-2 | 0.08 | 0.0092 | ug/L |
| SM2320B | Alkalinity, Total as CaCO3 | | 5 | 5 | mg/L |
| EPA 608.3 | alpha-BHC | 319-84-6 | 0.01 | 0.0021 | ug/L |
| EPA 608.3 | alpha-Chlordane | 5103-71-9 | 0.01 | 0.0032 | ug/L |
| EPA 200.7 | Antimony | 7440-36-0 | 15 | 5.5 | ug/L |
| EPA 200.8 | Antimony | 7440-36-0 | 1 | 0.5 | ug/L |
| EPA 200.7 | Arsenic | 7440-38-2 | 10 | 3.4 | ug/L |
| EPA 200.8 | Arsenic | 7440-38-2 | 1 | 0.5 | ug/L |
| EPA 624.1 | Benzene | 71-43-2 | 1 | 0.3 | ug/L |
| EPA 200.7 | Beryllium | 7440-41-7 | 4 | 0.17 | ug/L |
| EPA 608.3 | beta-BHC | 319-85-7 | 0.03 | 0.02 | ug/L |
| SM5210B | BOD, 5 day | | 2 | 2 | mg/L |
| EPA 624.1 | Bromodichloromethane | 75-27-4 | 1 | 0.19 | ug/L |
| EPA 624.1 | Bromoform | 75-25-2 | 3 | 0.48 | ug/L |
| EPA 624.1 | Bromomethane | 74-83-9 | 10 | 3.91 | ug/L |
| EPA 200.7 | Cadmium | 7440-43-9 | 1 | 0.33 | ug/L |
| EPA 200.7 | Calcium | 7440-70-2 | 500 | 190 | ug/L |
| EPA 624.1 | Carbon tetrachloride | 56-23-5 | 3 | 0.44 | ug/L |
| SM5210B | Carbonaceous BOD, 5 day | | 2 | 2 | mg/L |
| EPA 608.3 | Chlordane (Technical) | 57-74-9 | 0.5 | 0.25 | ug/L |
| EPA 300.0 | Chloride | 16887-00-6 | 5 | 2.5 | mg/L |
| EPA 624.1 | Chlorobenzene | 108-90-7 | 1 | 0.35 | ug/L |
| EPA 624.1 | Chloroethane | 75-00-3 | 10 | 3.7 | ug/L |
| EPA 624.1 | Chloroform | 67-66-3 | 1 | 0.56 | ug/L |
| EPA 624.1 | Chloromethane | 74-87-3 | 1 | 0.43 | ug/L |
| EPA 200.7 | Chromium | 7440-47-3 | 5 | 1.7 | ug/L |
| EPA 624.1 | cis-1,2-Dichloroethene | 156-59-2 | 1 | 0.27 | ug/L |
| EPA 624.1 | cis-1,3-Dichloropropene | 10061-01-5 | 1 | 0.17 | ug/L |
| EPA 200.7 | Copper | 7440-50-8 | 5 | 2.6 | ug/L |
| EPA 200.8 | Copper | 7440-50-8 | 1 | 0.93 | ug/L |
| EPA 335.4 | Cyanide | 57-12-5 | 0.01 | 0.005 | mg/L |
| EPA 608.3 | delta-BHC | 319-86-8 | 0.01 | 0.0099 | ug/L |
| EPA 624.1 | Dibromochloromethane | 124-48-1 | 2 | 0.45 | ug/L |
| EPA 624.1 | Dichlorodifluoromethane | 75-71-8 | 1 | 0.8 | ug/L |
| EPA 608.3 | Dieldrin | 60-57-1 | 0.03 | 0.002 | ug/L |
| EPA 608.3 | Endosulfan I | 959-98-8 | 0.01 | 0.0051 | ug/L |
| EPA 608.3 | Endosulfan II | 33213-65-9 | 0.01 | 0.004 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| EPA 608.3 | Endosulfan sulfate | 1031-07-8 | 0.1 | 0.0027 | ug/L |
| EPA 608.3 | Endrin | 72-20-8 | 0.01 | 0.0043 | ug/L |
| EPA 608.3 | Endrin aldehyde | 7421-93-4 | 0.1 | 0.0036 | ug/L |
| EPA 608.3 | Endrin ketone | 53494-70-5 | 0.01 | 0.005 | ug/L |
| ENTEROLERT | Enterococci | | 1 | 1 | MPN/100mL |
| EPA 624.1 | Ethylbenzene | 100-41-4 | 1 | 0.3 | ug/L |
| SM9222D | Fecal Coliforms | | 1 | 1 | CFU/100 mL |
| SM9223B/QUANTI-TRAY | Fecal Coliforms | | 1 | 1 | MPN/100mL |
| EPA 300.0 | Fluoride | 16984-48-8 | 0.05 | 0.015 | mg/L |
| EPA 608.3 | gamma-BHC (Lindane) | 58-89-9 | 0.01 | 0.0053 | ug/L |
| EPA 608.3 | gamma-Chlordane | 5103-74-2 | 0.1 | 0.0204 | ug/L |
| EPA 608.3 | Heptachlor | 76-44-8 | 0.01 | 0.0062 | ug/L |
| EPA 608.3 | Heptachlor epoxide | 1024-57-3 | 0.02 | 0.0029 | ug/L |
| EPA 200.7 | Lead | 7439-92-1 | 10 | 2.1 | ug/L |
| EPA 200.8 | Lead | 7439-92-1 | 1 | 0.22 | ug/L |
| EPA 624.1 | m&p-Xylene | 179601-23-1 | 4 | 0.75 | ug/L |
| EPA 200.7 | Magnesium | 7439-95-4 | 500 | 84 | ug/L |
| EPA 245.1 | Mercury | 7439-97-6 | 0.2 | 0.14 | ug/L |
| EPA 608.3 | Methoxychlor | 72-43-5 | 0.01 | 0.0042 | ug/L |
| EPA 624.1 | Methylene Chloride | 75-09-2 | 5 | 1.7 | ug/L |
| EPA 624.1 | Methyl-tert-butyl ether | 1634-04-4 | 5 | 1.21 | ug/L |
| EPA 608.3 | Mirex | 2385-85-5 | 0.1 | 0.0032 | ug/L |
| EPA 200.7 | Molybdenum | 7439-98-7 | 10 | 1.6 | ug/L |
| EPA 200.7 | Nickel | 7440-02-0 | 5 | 1 | ug/L |
| EPA 200.8 | Nickel | 7440-02-0 | 1 | 0.62 | ug/L |
| EPA 351.2 | Nitrogen, Kjeldahl, Total | 7727-37-9 | 0.5 | 0.086 | mg/L |
| EPA 353.2 | Nitrogen, Nitrate | 14797-55-8 | 0.05 | 0.025 | mg/L |
| EPA 353.2 | Nitrogen, Nitrite | 14797-65-0 | 0.05 | 0.025 | mg/L |
| EPA 353.2 | Nitrogen, NO2 plus NO3 | | 0.05 | 0.033 | mg/L |
| EPA 624.1 | o-Xylene | 95-47-6 | 1 | 0.57 | ug/L |
| EPA 608.3 | PCB-1016 (Aroclor 1016) | 12674-11-2 | 0.5 | 0.2 | ug/L |
| EPA 608.3 | PCB-1221 (Aroclor 1221) | 11104-28-2 | 0.5 | 0.23 | ug/L |
| EPA 608.3 | PCB-1232 (Aroclor 1232) | 11141-16-5 | 0.5 | 0.31 | ug/L |
| EPA 608.3 | PCB-1242 (Aroclor 1242) | 53469-21-9 | 0.5 | 0.13 | ug/L |
| EPA 608.3 | PCB-1248 (Aroclor 1248) | 12672-29-6 | 0.5 | 0.28 | ug/L |
| EPA 608.3 | PCB-1254 (Aroclor 1254) | 11097-69-1 | 0.5 | 0.15 | ug/L |
| EPA 608.3 | PCB-1260 (Aroclor 1260) | 11096-82-5 | 0.5 | 0.11 | ug/L |
| SM4500H+B | pH at 25 Degrees C | | 0.1 | 0.1 | Std. Units |
| EPA 365.4 | Phosphorus, Total (as P) | 7723-14-0 | 0.1 | 0.05 | mg/L |
| EPA 200.7 | Selenium | 7782-49-2 | 15 | 3.9 | ug/L |
| EPA 200.8 | Selenium | 7782-49-2 | 2 | 1.2 | ug/L |
| EPA 200.7 | Silver | 7440-22-4 | 5 | 1 | ug/L |
| EPA 200.7 | Sodium | 7440-23-5 | 2000 | 540 | ug/L |
| EPA 6010D | Sodium | 7440-23-5 | 2000 | 540 | ug/L |
| SM2510B | Specific Conductance @ 25C | | 2 | 2 | umhos/cm |
| EPA 300.0 | Sulfate | 14808-79-8 | 5 | 2.5 | mg/L |
| EPA 624.1 | Tetrachloroethene | 127-18-4 | 1 | 0.38 | ug/L |
| EPA 200.7 | Thallium | 7440-28-0 | 15 | 2.9 | ug/L |
| EPA 200.8 | Thallium | 7440-28-0 | 1 | 0.11 | ug/L |
| EPA 624.1 | Toluene | 108-88-3 | 1 | 0.33 | ug/L |
| SM2540C | Total Dissolved Solids | | 5 | 5 | mg/L |
| CALCULATION | Total Nitrogen | | 0.5 | 0.086 | mg/L |
| SM2540D | Total Suspended Solids | | 5 | 5 | mg/L |
| EPA 608.3 | Toxaphene | 8001-35-2 | 0.5 | 0.25 | ug/L |
| EPA 624.1 | trans-1,2-Dichloroethene | 156-60-5 | 1 | 0.23 | ug/L |
| EPA 624.1 | trans-1,3-Dichloropropene | 10061-02-6 | 1 | 0.37 | ug/L |
| EPA 624.1 | Trichloroethene | 79-01-6 | 1 | 0.36 | ug/L |
| EPA 624.1 | Trichlorofluoromethane | 75-69-4 | 1 | 0.72 | ug/L |
| EPA 180.1 | Turbidity | | 0.2 | 0.2 | NTU |
| EPA 624.1 | Vinyl chloride | 75-01-4 | 1 | 0.39 | ug/L |
| EPA 624.1 | Xylene (Total) | 1330-20-7 | 5 | 2.1 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| EPA 200.7 | Zinc | 7440-66-6 | 20 | 11 | ug/L |
| EPA 200.8 | Zinc | 7440-66-6 | 5 | 4.3 | ug/L |
| EPA 625.1 | 1,2,4-Trichlorobenzene | 120-82-1 | 5 | 0.1 | ug/L |
| EPA 625.1 | 1,2-Diphenylhydrazine | 122-66-7 | 5 | 0.12 | ug/L |
| EPA 625.1 | 2,4,6-Trichlorophenol | 88-06-2 | 1 | 0.07 | ug/L |
| EPA 625.1 | 2,4-Dichlorophenol | 120-83-2 | 1 | 0.02 | ug/L |
| EPA 625.1 | 2,4-Dimethylphenol | 105-67-9 | 5 | 0.37 | ug/L |
| EPA 625.1 | 2,4-Dinitrophenol | 51-28-5 | 20 | 0.42 | ug/L |
| EPA 625.1 | 2,4-Dinitrotoluene | 121-14-2 | 1 | 0.55 | ug/L |
| EPA 625.1 | 2,6-Dinitrotoluene | 606-20-2 | 1 | 0.04 | ug/L |
| EPA 625.1 | 2-Chloronaphthalene | 91-58-7 | 5 | 0.05 | ug/L |
| EPA 625.1 | 2-Chlorophenol | 95-57-8 | 5 | 0.08 | ug/L |
| EPA 625.1 | 2-Nitrophenol | 88-75-5 | 5 | 0.08 | ug/L |
| EPA 625.1 | 3,3'-Dichlorobenzidine | 91-94-1 | 10 | 0.17 | ug/L |
| EPA 625.1 | 4,6-Dinitro-2-methylphenol | 534-52-1 | 20 | 0.4 | ug/L |
| EPA 625.1 | 4-Bromophenylphenyl ether | 101-55-3 | 5 | 0.12 | ug/L |
| EPA 625.1 | 4-Chloro-3-methylphenol | 59-50-7 | 20 | 0.66 | ug/L |
| EPA 625.1 | 4-Chlorophenylphenyl ether | 7005-72-3 | 5 | 0.09 | ug/L |
| EPA 625.1 | 4-Nitrophenol | 100-02-7 | 20 | 0.4 | ug/L |
| EPA 625.1 | Acenaphthene | 83-32-9 | 0.1 | 0.02 | ug/L |
| EPA 625.1 | Acenaphthylene | 208-96-8 | 0.1 | 0.02 | ug/L |
| EPA 625.1 | Anthracene | 120-12-7 | 0.1 | 0.02 | ug/L |
| EPA 625.1 | Benzidine | 92-87-5 | 20 | 0.3 | ug/L |
| EPA 625.1 | Benzo(a)anthracene | 56-55-3 | 0.1 | 0.03 | ug/L |
| EPA 625.1 | Benzo(a)pyrene | 50-32-8 | 0.1 | 0.04 | ug/L |
| EPA 625.1 | Benzo(b)fluoranthene | 205-99-2 | 0.1 | 0.02 | ug/L |
| EPA 625.1 | Benzo(g,h,i)perylene | 191-24-2 | 0.1 | 0.07 | ug/L |
| EPA 625.1 | Benzo(k)fluoranthene | 207-08-9 | 0.1 | 0.03 | ug/L |
| EPA 625.1 | bis(2-Chloroethoxy)methane | 111-91-1 | 5 | 0.09 | ug/L |
| EPA 625.1 | bis(2-Chloroethyl) ether | 111-44-4 | 1 | 0.02 | ug/L |
| EPA 625.1 | bis(2-Chloroisopropyl) ether | 108-60-1 | 5 | 0.11 | ug/L |
| EPA 625.1 | bis(2-Ethylhexyl)phthalate | 117-81-7 | 5 | 0.21 | ug/L |
| EPA 625.1 | Butylbenzylphthalate | 85-68-7 | 5 | 0.19 | ug/L |
| EPA 625.1 | Chrysene | 218-01-9 | 0.1 | 0.03 | ug/L |
| EPA 625.1 | Dibenz(a,h)anthracene | 53-70-3 | 0.1 | 0.06 | ug/L |
| EPA 625.1 | Diethylphthalate | 84-66-2 | | 1.84 | ug/L |
| EPA 625.1 | Dimethylphthalate | 131-11-3 | 5 | 0.13 | ug/L |
| EPA 625.1 | Di-n-butylphthalate | 84-74-2 | 5 | 0.23 | ug/L |
| EPA 625.1 | Di-n-octylphthalate | 117-84-0 | 5 | 0.26 | ug/L |
| EPA 625.1 | Fluoranthene | 206-44-0 | 0.1 | 0.03 | ug/L |
| EPA 625.1 | Fluorene | 86-73-7 | 0.1 | 0.02 | ug/L |
| EPA 625.1 | Hexachloro-1,3-butadiene | 87-68-3 | 1 | 0.03 | ug/L |
| EPA 625.1 | Hexachlorobenzene | 118-74-1 | 1 | 0.03 | ug/L |
| EPA 625.1 | Hexachlorocyclopentadiene | 77-47-4 | 10 | 0.24 | ug/L |
| EPA 625.1 | Hexachloroethane | 67-72-1 | 5 | 0.1 | ug/L |
| EPA 625.1 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 0.1 | 0.06 | ug/L |
| EPA 625.1 | Isophorone | 78-59-1 | 5 | 0.09 | ug/L |
| EPA 625.1 | Naphthalene | 91-20-3 | 0.1 | 0.03 | ug/L |
| EPA 625.1 | Nitrobenzene | 98-95-3 | 1 | 0.04 | ug/L |
| EPA 625.1 | N-Nitrosodimethylamine | 62-75-9 | 1 | 0.03 | ug/L |
| EPA 625.1 | N-Nitroso-di-n-propylamine | 621-64-7 | 1 | 0.02 | ug/L |
| EPA 625.1 | N-Nitrosodiphenylamine | 86-30-6 | 5 | 0.1 | ug/L |
| EPA 625.1 | Pentachlorophenol | 87-86-5 | 20 | 0.25 | ug/L |
| EPA 625.1 | Phenanthrene | 85-01-8 | 0.1 | 0.02 | ug/L |
| EPA 625.1 | Phenol | 108-95-2 | 5 | 0.05 | ug/L |
| EPA 625.1 | Pyrene | 129-00-0 | 0.1 | 0.02 | ug/L |
| EPA 100.2 | Asbestos | | | 0.2 | MFL |
| **Method** | **Analyte** | **CAS No.** | **PQL / LOQ** | **MDL / LOD** | **Units** |
| | | | | | |
| 625.1 | 1,2,4-Trichlorobenzene | 120-82-1 | 5 | 1.73 | ug/L |
| 625.1 | 1,2-Diphenylhydrazine | 122-66-7 | 5 | 1.59 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 625.1 | 2,4,6-Trichlorophenol | 88-06-2 | 10 | 1.55 | ug/L |
| 625.1 | 2,4-Dichlorophenol | 120-83-2 | 5 | 1.4 | ug/L |
| 625.1 | 2,4-Dimethylphenol | 105-67-9 | 10 | 1.7 | ug/L |
| 625.1 | 2,4-Dinitrophenol | 51-28-5 | 50 | 26 | ug/L |
| 625.1 | 2,4-Dinitrotoluene | 121-14-2 | 5 | 1.62 | ug/L |
| 625.1 | 2,6-Dinitrotoluene | 606-20-2 | 5 | 1.72 | ug/L |
| 625.1 | 2-Chloronaphthalene | 91-58-7 | 5 | 1.72 | ug/L |
| 625.1 | 2-Chlorophenol | 95-57-8 | 5 | 1.2 | ug/L |
| 625.1 | 2-Nitrophenol | 88-75-5 | 5 | 1.4 | ug/L |
| 625.1 | 3,3'-Dichlorobenzidine | 91-94-1 | 10 | 8.12 | ug/L |
| 625.1 | 4,6-Dinitro-2-methylphenol | 534-52-1 | 10 | 7.78 | ug/L |
| 625.1 | 4-Bromophenylphenyl ether | 101-55-3 | 5 | 1.77 | ug/L |
| 625.1 | 4-Chloro-3-methylphenol | 59-50-7 | 5 | 3.34 | ug/L |
| 625.1 | 4-Chlorophenylphenyl ether | 7005-72-3 | 5 | 2 | ug/L |
| 625.1 | 4-Nitrophenol | 100-02-7 | 10 | 6.59 | ug/L |
| 625.1 | Acenaphthene | 83-32-9 | 5 | 2.01 | ug/L |
| 625.1 | Acenaphthylene | 208-96-8 | 5 | 1.95 | ug/L |
| 625.1 | Anthracene | 120-12-7 | 5 | 2.31 | ug/L |
| 625.1 | Azobenzene | 103-33-3 | 5 | 1.59 | ug/L |
| 625.1 | Butylbenzylphthalate | 85-68-7 | 5 | 3.14 | ug/L |
| 625.1 | Benzo(k)fluoranthene | 207-08-9 | 5 | 2.71 | ug/L |
| 625.1 | Benzo(g,h,i)perylene | 191-24-2 | 5 | 2.84 | ug/L |
| 625.1 | Benzo(a)anthracene | 56-55-3 | 5 | 2.69 | ug/L |
| 625.1 | Benzidine | 92-87-5 | 50 | 13.4 | ug/L |
| 625.1 | Benzo(b)fluoranthene | 205-99-2 | 5 | 2.6 | ug/L |
| 625.1 | Benzo(a)pyrene | 50-32-8 | 5 | 2.78 | ug/L |
| 625.1 | bis(2-Chloroethoxy)methan | 111-91-1 | 10 | 1.82 | ug/L |
| 625.1 | bis(2-Chloroethyl) ether | 111-44-4 | 5 | 1.91 | ug/L |
| 625.1 | bis(2-Ethylhexyl)phthalate | 117-81-7 | 5 | 3.73 | ug/L |
| 625.1 | Chrysene | 218-01-9 | 5 | 2.77 | ug/L |
| 625.1 | Dibenz(a,h)anthracene | 53-70-3 | 5 | 2.95 | ug/L |
| 625.1 | Dimethylphthalate | 131-11-3 | 5 | 2.13 | ug/L |
| 625.1 | Di-n-butylphthalate | 84-74-2 | 5 | 2.2 | ug/L |
| 625.1 | Di-n-octylphthalate | 117-84-0 | 5 | 3.92 | ug/L |
| 625.1 | Diethylphthalate | 84-66-2 | 5 | 2.05 | ug/L |
| 625.1 | Fluorene | 86-73-7 | 5 | 2.09 | ug/L |
| 625.1 | Fluoranthene | 206-44-0 | 5 | 2.19 | ug/L |
| 625.1 | Hexachloro-1,3-butadiene | 87-68-3 | 5 | 1.77 | ug/L |
| 625.1 | Hexachlorobenzene | 118-74-1 | 5 | 2.16 | ug/L |
| 625.1 | Hexachlorocyclopentadiene | 77-47-4 | 10 | 1.59 | ug/L |
| 625.1 | Hexachloroethane | 67-72-1 | 5 | 1.38 | ug/L |
| 625.1 | Indeno(1,2,3-cd)pyrene | 193-39-5 | 5 | 2.89 | ug/L |
| 625.1 | Isophorone | 78-59-1 | 10 | 1.66 | ug/L |
| 625.1 | Naphthalene | 91-20-3 | 5 | 2.09 | ug/L |
| 625.1 | N-Nitroso-di-n-propylamine | 621-64-7 | 5 | 1.33 | ug/L |
| 625.1 | Nitrobenzene | 98-95-3 | 5 | 1.87 | ug/L |
| 625.1 | N-Nitrosodimethylamine | 62-75-9 | 5 | 1.89 | ug/L |
| 625.1 | N-Nitrosodiphenylamine | 86-30-6 | 10 | 3 | ug/L |
| 625.1 | Phenol | 108-95-2 | 5 | 1.35 | ug/L |
| 625.1 | Phenanthrene | 85-01-8 | 5 | 2 | ug/L |
| 625.1 | Pentachlorophenol | 87-86-5 | 10 | 3.76 | ug/L |
| 625.1 | Pyrene | 129-00-0 | 5 | 2.2 | ug/L |
| 625.1 | 2,2'-Oxybis(1-chloropropan | 108-60-1 | 5 | 1.15 | ug/L |
| 1613 | 2,3,7,8-TCDD | | 10 | 2.2 | pq/l |
| 1631E | LL-mercury | | 0.5 | 0.2 | ng/L |
| 1664 | O&G | | 5 | 1.1 | mg/L |
| 420.4 | Phenolics | | 0.005 | 0.0039 | mg/L |

# Solids MDL/PQL

| Method | Analyte | CAS No. | PQL / LOQ | MDL / LOD | Units |
|---|---|---|---|---|---|
| SM2540G | Total Fixed Solids | | 0.001 | 0.001 | % |
| SM2540G | Total Solids | | 0.001 | 0.001 | % |
| EPA 351.2 | Nitrogen, Kjeldahl, Total | 7727-37-9 | 20 | 11 | mg/kg |
| EPA 353.2 | Nitrogen, NO2 plus NO3 | | 0.5 | 0.25 | mg/kg |
| EPA 365.4 | Phosphorus, Total (as P) | 7723-14-0 | 4 | 2 | mg/kg |
| EPA 6010D | Arsenic | 7440-38-2 | 0.5 | 0.25 | mg/kg |
| EPA 6010D | Cadmium | 7440-43-9 | 0.05 | 0.025 | mg/kg |
| EPA 6010D | Chromium | 7440-47-3 | 0.25 | 0.13 | mg/kg |
| EPA 6010D | Copper | 7440-50-8 | 0.25 | 0.13 | mg/kg |
| EPA 6010D | Lead | 7439-92-1 | 0.5 | 0.25 | mg/kg |
| EPA 6010D | Molybdenum | 7439-98-7 | 0.5 | 0.25 | mg/kg |
| EPA 6010D | Nickel | 7440-02-0 | 0.25 | 0.13 | mg/kg |
| EPA 6010D | Potassium | 7440-09-7 | 50 | 25 | mg/kg |
| EPA 6010D | Selenium | 7782-49-2 | 0.75 | 0.38 | mg/kg |
| EPA 6010D | Zinc | 7440-66-6 | 5 | 1.8 | mg/kg |
| EPA 7471B | Mercury | 7439-97-6 | 0.008 | 0.004 | mg/kg |
| EPA 9045D | pH at 25 Degrees C | | 0.1 | 0.1 | Std. Units |
| CALCULATION | Total Nitrogen Soil | | 20 | 11 | mg/kg |

## C. Quality Manual

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# Management Approval Page
# Local Quality Manual
# Pace Analytical Services, LLC (PAS)

**Signatory Attestation:** The employee's electronic signature on this management approval page affirms the approver's obligation, commitment, and responsibility to uphold the requirements of the PAS Quality Management System (QMS) described in this Quality Manual (manual) at each location for which this manual is prepared.

Refer to the page for Quality Manual Signatories to view the job title and physical address for each approver.

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# Title Page
# Local Quality Manual
# Pace Analytical Services, LLC (PAS)

**This manual has been prepared for the following PAS laboratories and subsidiaries:**

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# Quality Manual Approver Information – Ormond Beach

The individuals listed below are approvers of this manual and are responsible for implementing the PAS Quality Management System (QMS) and upholding the requirements of this manual at the location(s) for which this manual was prepared, at the time this version of the manual was made effective.

The manual is not revised and released under an updated version when there is a change to personnel. Personnel information is updated during the manual's normal review and revision cycle.

If an approver changes positions, leave the company, or is on extended leave of absence, the responsibility to implement and uphold the PAS QMS automatically transfers to the primary or alternate deputy for the position until the approver is replaced and/or the approver returns to work. The individual replacing the approver automatically accepts the responsibilities associated with the original approver's attestation. Refer to Section 4.1.5.1.1 of this manual to view the deputies assigned to key personnel job titles.

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# Quality Manual Approver Information – Pompano Beach

The individuals listed below are approvers of this manual and are responsible for implementing the PAS Quality Management System (QMS) and upholding the requirements of this manual at the location(s) for which this manual was prepared, at the time this version of the manual was made effective.

The manual is not revised and released under an updated version when there is a change to personnel. Personnel information is updated during the manual's normal review and revision cycle.

If an approver changes positions, leave the company, or is on extended leave of absence, the responsibility to implement and uphold the PAS QMS automatically transfers to the primary or alternate deputy for the position until the approver is replaced and/or the approver returns to work. The individual replacing the approver automatically accepts the responsibilities associated with the original approver's attestation. Refer to Section 4.1.5.1.1 of this manual to view the deputies assigned to key personnel job titles.

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- **Serves as a TNI Technical Manager for this location**

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# Quality Manual Approver Information – Oldsmar

The individuals listed below are approvers of this manual and are responsible for implementing the PAS Quality Management System (QMS) and upholding the requirements of this manual at the location(s) for which this manual was prepared, at the time this version of the manual was made effective.

The manual is not revised and released under an updated version when there is a change to personnel. Personnel information is updated during the manual's normal review and revision cycle.

If an approver changes positions, leave the company, or is on extended leave of absence, the responsibility to implement and uphold the PAS QMS automatically transfers to the primary or alternate deputy for the position until the approver is replaced and/or the approver returns to work. The individual replacing the approver automatically accepts the responsibilities associated with the original approver's attestation. Refer to Section 4.1.5.1.1 of this manual to view the deputies assigned to key personnel job titles.

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|---|---|---|---|
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| Thomas Widera | Quality Manager | 8 East Tower Circle<br>Ormond Beach, FL 32174 | 386-672-5668 |
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- Serves as a TNI Technical Manager for this location

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# 1.0 PURPOSE AND SCOPE

## 1.1 Purpose

This quality manual (manual) outlines the quality management system (QMS) and management structure of Pace® Analytical Services, LLC. Throughout this manual, Pace® Analytical Services, LLC is also referred to by the acronyms PAS or ENV. The acronyms PAS and ENV are interchangeable.

The QMS is also called the quality program throughout this manual and other PAS documents. "Quality Management System" and "Quality Program" are synonymous and inferred by the acronym QMS.

The QMS is the collection of policies and processes established by the senior leaders of PAS (top management) to ensure the services and products provided by PAS consistently meet relevant requirements and achieves the goal of Pace® to provide customers with high quality, cost-effective, analytical measurements, and services.

The QMS is planned to establish conformance[1] and compliance with the current published versions of these international and national quality system Standards:

- ISO/IEC 17025: *General requirements for the competence of testing and calibration laboratories*
- NELAC/TNI Standard Volume 1: *Management and Technical Requirements for Laboratories Performing Environmental Analysis*

[1]The statement of conformity to these Standards pertains only to testing and sampling activities carried out by the laboratory at its physical address, in temporary or mobile facilities, in-network, or by laboratory personnel at a customer's facility.

The QMS is also planned to achieve regulatory compliance with the various federal and state programs for which PAS locations provide compliance testing and/or holds certification or accreditation. Federal or state requirements that do not apply to all PAS locations, are provided in addendum to this manual or in other documents that supplement the manual. Customer-specific project and program requirements are not included in the manual in order to maintain client confidentiality.

- A list of accreditation and certifications held by each location associated with this manual is provided in Appendix A.
- A list of analytical testing capabilities offered by each location associated with this manual is provided in Appendix B.

## 1.2 Scope and Application

This manual applies to each location listed on the Title Page of this manual:

For purposes of the PAS QMS the term "location" refers to laboratories and/or service centers.

- The term "laboratory" refers to any PAS location, however named by Pace® that provides testing, collects samples (sampling), or conducts field measurement services in a fixed building, mobile unit, or in-situ (field).
- The phrase "service center" refers to any PAS location, however named by Pace® that does not perform any testing, sampling, or field measurements.

PAS locations are defined by their physical address and other information:

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- Laboratories are defined by physical address and certification/accreditation ID.
- Mobile units are defined by the address of the location to which they are assigned, by VIN (vehicle identification number), or by certification/accreditation ID.
- The phrase "satellite laboratory" is used by PAS to refer to a limited-service laboratory affiliated with a larger PAS business unit or location. Some PAS business groups refer to satellite laboratories as service centers for accounting purposes. This designation is not consistent with the definitions specified in this manual orthroughout the supporting documents associated with the QMS. Regardless of any internal reference or jargon, any PAS location that generates a test result is a "laboratory" and all laboratories must comply with all requirements specified in this manual for analytical testing services.

### 1.2.1 Quality Manual Template

This manual was prepared from the PAS Quality Manual Template (template) created by the PAS Corporate Quality Director (CQD).

The template, known as document ID ENV-TMP-CORQ-0007, specifies the minimum requirements that every PAS location must abide by, regardless of scope of services or number of personnel, in order to achieve the objectives of the PAS Quality Policy (See Section 4.2.2).

The template is the mechanism used by top management[1] to communicate their commitment to continuously develop and improve the QMS for effectiveness, to meet customer expectations, and to comply with any statutory and regulatory requirements. Their signature of approval for the template is the mechanism used to document their responsibility.

[1]Top Management is the phrase in the TNI Standard that refers to the leaders of an organization that develop and/or release the PAS Quality Policy Statement and manual under their authority. For PAS, top management includes the Pace® Chief Executive Officer (CEO) and Chief Compliance Officer (CCO) and the PAS President, Corporate Quality Director, Senior Vice President of Operations (Sr. VPO), and the Chief Technical Officer (CTO.

The template and instructions for use of the template are released by corporate quality personnel to the local quality managers responsible for each location (Local QM). The local QM uses the template to prepare the location's manual by following the instructions provided to them. The local QM may not alter the font, structure, or content of the template, except where specified by instruction to do so.

The template is reviewed by corporate quality personnel annually and updated, if needed. More frequent review and revision may occur to manage change, to maintain conformance and compliance to relevant standards or to improve the QMS.

See standard operating procedure (SOP) ENV-SOP-CORQ-00015 *Document Management and Control* for more information.

### 1.2.2 Quality Manual

The quality manual is created from template ENV-TMP-CORQ-0007 by local quality personnel, who are also responsible for maintenance and management of the local manual.

- PAS locations are not permitted to alter content of the template when preparing their manual, except where specified in the template. Control of content in the manual is

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necessary to ensure consistency of implementation of the PAS quality program across the network.

- If additions or changes to the manual are needed to maintain regulatory compliance or conformance to relevant standards and these changes cannot be covered by addendum to the manual, the need for change must be raised to the PAS Corporate Quality Director, who will decide how to resolve the need.

The manual is approved for release by the individuals listed on manual approval page. The person's electronic signature affirms their commitment to implement and uphold the requirements, processes, and procedures of the PAS QMS at each location for which the manual was prepared.

The manual is updated with each release of a new version of the template, and as needed to update appendices and addendum. More frequent review and revision may be necessary when there are significant changes to the capabilities, and resources of the laboratory during the calendar year.

See SOP ENV-SOP-CORQ-00015 *Document Management and Control* for more information.

### 1.2.3 References to Supporting Documents

The template and the manual include references to other organization documents that support the QMS such as policies and standard operating procedures (SOPs).

These references may include the document's document control number (DC#) and the document title. This information is subject to change at the discretion of PAS. The manual and/or template are updated to reflect the editorial change during the manual's next scheduled review/revision cycle or the next time a version of the manual is released, whichever is sooner.

Each location maintains a current list of documents used by the location to support the QMS. This list, known as the controlled document or master list is readily available to personnel for their use and it provides a cross reference to the legacy document ID, where applicable. Parties external to PAS may contact the location of interest to obtain the most current version of controlled document list if desired.

## 2.0 REFERENCES

External references used to prepare this manual include:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act." Federal Register, 40 CFR Part 136, most current version.
- "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846.
- "Methods for Chemical Analysis of Water and Wastes," EPA 600-4-79-020, 1979 Revised 1983, U.S. EPA.
- U.S. EPA Contract Laboratory Program Statement of Work for Organic Analysis, current version.
- U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, current version.
- "Standard Methods for the Examination of Water and Wastewater." Current Edition APHA-AWWA-WPCF.

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- "Annual Book of ASTM Standards," Section 4: Construction, Volume 04.04: Soil and Rock; Building Stones, American Society of Testing and Materials.
- "Annual Book of ASTM Standards," Section 11: Water and Environmental Technology, American Society of Testing and Materials.
- "NIOSH Manual of Analytical Methods," U.S. Department of Health and Human Services, National Institute for Occupational Safety and Health, most current version.
- "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water," U.S. EPA, Environmental Monitoring and Support Laboratory – Cincinnati (Sep 1986).
- Quality Assurance of Chemical Measurements, Taylor, John K.; Lewis Publishers, Inc. 1987.
- Methods for Non-conventional Pesticides Chemicals Analysis of Industrial and Municipal Wastewater, Test Methods, EPA-440/1-83/079C.
- Environmental Measurements Laboratory (EML) Procedures Manual, HASL-300, US DOE, February 1992.
- Requirements for Quality Control of Analytical Data, HAZWRAP, DOE/HWP-65/R1, July 1990.
- Quality Assurance Manual for Industrial Hygiene Chemistry, AIHA, most current version.
- National Environmental Laboratory Accreditation Conference (NELAC) Standard, most current version.
- ISO/IEC 17025, General requirements for the competence of testing and calibration laboratories, 2nd Edition 2005-05-15; 3rd Edition 2017-11

  The following are implemented by normative reference to ISO/IEC 17025:

  – ISO/IEC Guide 99, *International vocabulary of metrology –Basic and general concepts and associated terms*

  – ISO/IEC 17000, *Conformity assessment – Vocabulary and general principles*
- Department of Defense Quality Systems Manual (QSM), most current version.
- TNI (The NELAC Institute) Standard, 2009 and 2016 versions.
- UCMR Laboratory Approval Requirements and Information Document, most current version.
- US EPA Drinking Water Manual, most current version.

## 3.0 TERMS AND DEFINITIONS

Refer to Appendix C for terms, acronyms, and definitions used in this manual and in other documents used by PAS to support the QMS.

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# 4.0 MANAGEMENT REQUIREMENTS

## 4.1 Organization

### 4.1.1 Legal Identity

Pace® Analytical Services, LLC (PAS) is the responsible entity authorized by the State of Minnesota to do business as a limited liability company, under the parent company, PAS Parent, Inc.

#### 4.1.1.1 Change of Ownership

If there is a change of ownership, if a PAS location goes out of business, or if the entire organization ceases to exist, PAS management must notify regulatory authorities of the change within the time required by each state agency for which the location is certified or accredited.

Specifications for retention of records and other business information are addressed in the ownership transfer agreement and in accordance with appropriate regulatory requirements. These details are not included in this manual because each situation is specific to the change event.

### 4.1.2 Compliance Responsibility

PAS management has the responsibility and authority to establish and implement procedures and to maintain resources necessary to assure its testing activities are carried out in such a way to meet applicable federal and statutory requirements in addition to the requirements specified in this manual and QMS supporting documents.

### 4.1.3 Scope of the Quality Management System

The QMS applies to work carried out at each location covered by this manual including permanent facilities, at sites away from its permanent facilities, or in associated temporary or mobile facilities.

The permanent and mobile facilities to which this manual applies are listed on the Title Page of this manual.

### 4.1.4 Organization History and Information

Founded in 1978, Pace® Analytical Services, LLC (PAS) is a privately held scientific services firm operating one of the largest full-service contract laboratory and service center networks in the United States.

The business purpose of PAS is to deliver the highest standard of testing and scientific services in the market. We offer the most advanced solutions in the industry, backed by transparent data, a highly trained team, and the service and support that comes from over four decades of experience.

#### 4.1.4.1 Organization Structure

Each PAS location is led by a management team referred to as local management[1]. Local management is responsible for making day-to-day decisions regarding the operations of the facility and implementing, and sustaining the requirements, policies, and procedures of the PAS quality program.

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[1] The term "local management" does not mean "on-site" management. Some of the roles included in the local management team, work off site or from a different PAS location.

For purpose of the QMS, the job titles associated with the local management team include Vice President of Operations (VPO), General Manager (GM), Director of Laboratory Operations (DLO), Quality Program Manager (QPM), and Quality Manager (QM).

The local management team is supported by department supervisors and team leaders, and business groups that support the organization such as HR, IT, Sales & Marketing, Finance, and EHS (Environmental Health & Safety).

Technical oversight for each location is provided by local personnel with support and guidance from the PAS Chief Technical Officer (CTO). Locations that hold TNI accreditation, also have personnel appointed to serve as the "acting technical manager for TNI, however named" to perform the duties and responsibilities of this designation per the TNI Standard. See Section 4.1.5.2.1 for more information on this TNI requirement.

The reporting relationships and responsibilities of quality personnel are independent of operations in order to safeguard impartiality. See Section 4.1.5.2 for more information.

Refer to the organization charts provided in Appendix D to view the organization structure, reporting relationships, and the interrelationships between positions.

### 4.1.5 Management Requirements

#### 4.1.5.1 Personnel

Each PAS location is staffed with administrative and/or technical personnel who perform and verify work under the supervision of their direct line supervisor.

All personnel are required to perform their duties in accordance with the policies and processes outlined in this manual and in accordance with standard operating procedures (SOPs) and other quality system documents. PAS policies and procedures are designed for impartiality and integrity. When these procedures are fully implemented, personnel remain free from undue pressure and other influences that adversely impact the quality of their work or data.

##### 4.1.5.1.1 Key Personnel

Key personnel are management positions that have the authority and responsibility to plan, direct, and control activities related to the QMS for the entire division (PAS Corporate), or for one or more PAS locations (Local).

PAS job titles classified as key personnel are as follows:

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**PAS Key Personnel Positions & Deputy Assignments by Role**

| Job Title | Acronym | Primary / Alternate Deputy |
|---|---|---|
| Chief Executive Officer | CEO | President |
| Chief Compliance Officer | CCO | CQD / As Assigned |
| President | NA | CEO / Sr. VPO |
| Corporate Quality Director | CQD | CCO or CTO |
| Quality Program Manager | QPM | CQD / Peer QPM / As Assigned |
| Chief Technical Officer | CTO | CQD / As Assigned |
| Sr. VP of Operations | Sr. VPO | President / VPO |
| Vice President of Operations | VPO | Sr. VPO / Peer VPO |
| Director of Lab Operations[1] | DLO | VPO / Peer DLO or Sr. VPO |
| Health and Safety Director | NA | As Assigned |
| IT Director | NA | CIO |
| Quality Manager | QM | QPM /Peer QM / QAA |
| General Manager[1] | GM | VPO / Sr. VPO or Peer GM |
| Operations Manager[1] | OM | GM / DL or VPO |
| Technical Manager[1] | TM | CTO / Peer TM |
| TNI Approved TM[2] | TNI TM | Another Qualified Employee |

[1:] Position is not in place at all locations.

[2:] The TNI TM is not a PAS position. See Section 4.1.5.2.1 for more information.

Some certification and accreditation programs require notification any time there is a change in key personnel. Notification requirements are tracked and upheld by the local QM, when these requirements apply.

#### 4.1.5.2 Roles and Responsibilities

The qualifications, duties, and responsibilities for each position at Pace® are detailed in job descriptions maintained by the Pace® Human Resource personnel (HR).

The following sections provide a general overview of various management and supervisory roles and are presented in no particular order.

**Chief Executive Officer (CEO):** Provides leadership for overall operations; development of growth strategies; and long-range capital and strategic planning for Pace®.

**Chief Compliance Officer (CCO):** Provides leadership for compliance related activities.

**President:** Provides leadership for overall operations; oversight of regulatory and compliance standards; development of growth strategies; and long-range capital and strategic planning for PAS.

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**Chief Technical Officer (CTO):** Provides technical oversight and leadership to all PAS locations. Responsible for innovation and standardization of technical activities.

**Corporate Director of Quality (CQD):** Responsible for developing the PAS quality program and the policies and procedures that support the QMS. The CQD leads the quality team, establishing functions, responsibilities, duties, and organization structure for PAS.

**Corporate Quality Program Manager (QPM):** Responsible for helping local management implement, monitor, maintain and improve the PAS quality program for one or more locations in the network and for direct supervision of Quality Manager(s).

**Director of Information Technology:** Oversees and delivers the systems and processes of information technology used by PAS. These systems include Laboratory Information Management Systems (LIMS); data acquisition, reduction, and reporting software; virus-protection, communication tools, and ensuring the integrity, security of electronic data, and associated policies and procedures.

**Sr. Vice President of Operations (Sr VPO):** Provides leadership, direction, and insight necessary to achieve strategic initiatives. Develops and improves processes, structure, and allocation of resources for operations for all PAS.

**Vice-President of Operations (VPO):** Provides leadership, guidance, and resources, including allocation of personnel, necessary to achieve the strategic goals of the organization and the PAS quality program to one or more PAS locations.

**Director of Laboratory Operations (DLO):** See descriptions for VPO and General Manager. The DLO is an intermediary management position that provides leadership and resources to one or more locations.

**General Manager (GM):** The GM is responsible for overall administration and operation of one or more PAS locations. Although task duties associated with this responsibility may be delegated, the GM is responsible for ensuring all duties and activities of the locations they oversee comply with the PAS QMS, the PAS EHS program, and with any applicable statutory, regulatory requirements or program requirements. If a GM is not assigned to the location, these responsibilities are transferred to the Operations Manager (OM) or DLO. If no DLO, to the VPO.

Any GM of a TNI Accredited laboratory is also responsible for the designation of technical personnel to serve as acting technical managers for TNI for the fields of accreditation held by the laboratory (See Section 4.1.5.2.1) and for notifying the accreditation body (AB) of any extended absence or reassignment of these designations.

**Quality Manager (QM):** The QM oversees and monitors the implementation, compliance, and improvement of the QMS and communicates gaps, deviations, and opportunities for improvement to local and corporate laboratory management. The QM is independent of the operation and analytical activities for which they provide oversight and has the authority to carry out the roles and responsibilities of their position without outside influence.

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The QM:

- serves as the focal point for QA/QC protocol decisions and oversees review of QC data for trend analysis;
- evaluates data objectively and performs assessments without outside influence;
- has documented training and experience in QA/QC procedures and the PAS quality system;
- has a general knowledge of the analytical methods offered by the laboratory;
- coordinates and conducts internal systems and technical audits;
- notifies laboratory management of deficiencies in the quality system;
- monitors corrective actions;
- provides support to technical personnel and may serve as the primary deputy for the acting TNI Technical Manager(s).

**Manager-Client Services (CSM):** This position is responsible for the training and supervision of project manager(s) and/or shipping, receiving and courier personnel. The primary responsibility of the CSM is to ensure projects are successfully managed to meet the expectations and needs of PAS customers.

**Department Managers/Supervisors/Team Lead):** These positions are responsible for administrative and operations management and implementation of the QMS in the work area he/she oversees. These responsibilities include but are not limited to: training and supervision of personnel, monitoring work activity to maintain compliance with this manual, SOPs, policies and other instructional documents that support the QMS; method development, validation and the establishment and implementation of SOPs to assure regulatory compliance and suitability for the intended purpose; monitoring QA/QC performance, proper handling and reporting of nonconforming work; purchasing of supplies and equipment adequate for use; maintaining instrumentation and equipment in proper working order and calibration; and general maintenance of administrative and technical processes and procedures established by the laboratory.

**Operations Manager (OM):** The OM is responsible for management of production and/or other duties assigned by the GM.

#### 4.1.5.2.1 Approved Technical Manager (TNI Accreditation Only)

The requirements in this subsection apply only to PAS locations that are NELAC/TNI accredited.

The TNI Standard specifies requirements for the qualification and duties of technical personnel. The TNI Standard lists these duties under the reference "technical manager(s), however named."

At PAS, these duties closely correlate with the responsibilities and duties outlined in the PAS job descriptions for managers, supervisors, team leads, and/or scientists. However, these duties do not need to be associated with

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any specific job title and can be assigned to any one or more PAS employees that meets the qualifications specified in the TNI Standard.

Refer to the applicable version of the TNI Standard to view the required qualifications for each discipline.

PAS locations that are TNI accredited must designate one or more employees to perform these duties and submit these qualifications to the TNI accreditation body (AB) for approval.

Employees approved by the TNI AB, to perform these duties retain their Pace® assigned job title.

When TNI Accreditation Bodies (AB) refer to these employees as 'technical manager' or 'technical director' on the official certificate or the scope of accreditation, this reference is referring to their approval to perform duties of the 'technical manager, however named' as specified in the TNI Standard and not to a PAS job title.

The duties of any approved technical manager for TNI, however named, can be completed in person or remotely. If an employee that is an approved technical manager for TNI is completely absent from work or on a leave of absence for more than 15 calendar days, the duties and responsibilities specified in the TNI Standard are temporarily reassigned to another employee that meets the qualifications for the technology or field of accreditation. If the employee's absence exceeds 35 calendar days, the local QM must formally notify the TNI primary AB of the absence and the details of reassignment of duties in writing.

#### 4.1.5.3 Conflict of Interest

A conflict of interest is a situation where a person has competing interests that may affect impartiality. It is the policy of Pace® to ensure business relationships, decisions and transactions do not place personal interest ahead of the organization, customers, colleagues, job responsibilities or the public we serve. Conflict of interest is avoided by making personnel aware of circumstances that conflict or appear to conflict with impartiality and/or designing process and procedures to include checks and balances to prevent conflict and ensure impartiality.

See the current version of policy COR-POL-0004 *Code of Ethics and Professional Conduct* for more information.

#### 4.1.5.4 Confidentiality

PAS management is committed to preserving the confidentiality of Pace® customers and confidentiality of Pace® business information.

Client information obtained or created during work activities is considered confidential and is protected from intentional release to any person or entity other than the client or the client's authorized representative, except when Pace® is required by law to release confidential information to another party, such as a regulatory agency or for litigation purposes. In which case, Pace® will notify the client

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of the release of information and the information provided, unless notification is prohibited by law.

When Pace® obtains information about the customer from a source other than the customer, Pace® will keep the source of the information confidential unless disclosure is agreed upon by the source.

The terms of client confidentiality are included in PAS Standard Terms and Conditions (T&C). With the acceptance of the T&C and/or the implicit contract for analytical services that occurs when the client sends samples to PAS for testing, the client authorizes Pace® to release confidential information when required. Other procedures used by PAS to maintain confidentiality include:

- A Code of Ethics and Professional Conduct policy that covers this topic (COR-POL-0004);
- A Confidentiality Agreement which supervisory and sales personnel and other positions are required to sign at the time of employment and abide by the conditions of throughout employment;
- Record retention and disposal procedures that assure confidentiality is maintained; and
- Physical access controls and encryption of electronic data.

See policy COR-POL-0004 *Code of Ethics and Professional Conduct* for more information.

#### 4.1.5.5 Communication

Communication is defined as the imparting or exchanging of news and information. Effective (good) communication occurs when the people included in the communication gets the point and understands it.

##### 4.1.5.5.1 Workplace Communication

Effective communication in the workplace is necessary to assure work is performed correctly, efficiently, and in accordance with client specifications.

Instructions for how to conduct testing and other work activities are communicated to personnel via written policies, standard operating procedures, and other work instructions.

Information about PAS performance (positive and negative) and ideas for improvement are communicated to personnel using various communication channels such as face to face meetings, video conferencing, conference calls, email, memoranda, written reports, and posters.

##### 4.1.5.5.2 External Communication

Communication with external parties such as customers, vendors, business partners, and regulatory agencies takes place every day.

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PAS management is responsible for training personnel to communicate in professional and respectful ways to build strong relationships and to avoid misunderstanding.

## 4.2 Quality Management System

### 4.2.1 Quality Management System Objectives

The objectives of the PAS QMS are to provide clients with consistent, exemplary professional service, and objective work product that is of known and documented quality that meets their requirements for data usability and regulatory compliance.

Objective work products are analytical services, data, test results, and information that is not influenced by personal feeling or opinions. The quality of being objective is also known as 'impartiality.'

#### 4.2.1.1 Impartiality

PAS achieves and maintains impartiality by establishing an organizational structure that safeguards impartiality (See 4.1.4.1) and implementing and adhering to the policies and processes of the QMS outlined in this manual, which are based on industry accepted standards and methodologies.

PAS procedures for handling nonconforming work (See 4.9), corrective and preventive actions (See 4.11, 4.12) and management review (See 4.15) are the primary mechanisms used to identify risk to impartiality and to prompt actions necessary to eliminate or reduce the threat when risk to impartiality is suspected or confirmed.

#### 4.2.1.2 Risk and Opportunity Assessment

Risks are variables that make achieving the goals and objectives of the QMS uncertain.

An opportunity is something that has potential positive consequences for the organization.

PAS personnel manage risks and opportunities on a daily basis by following policies, procedures and processes that support the QMS. Some ways in which the QMS is designed to identify, minimize, or eliminate risk on a daily basis include but are not limited to:

- Capability and capacity reviews of each analytical service request to assure the laboratory can meet the customer's requirements;
- Maintenance of accreditation and certification for test methods in multiple states and programs to cover a broad range of authority for regulatory compliance;
- SOPs and other controlled instructional documents are provided to personnel to eliminate variability in the process. These documents include actions to counter risk factors inherent in the process and are reviewed on a regular basis for on-going suitability and relevancy;
- Participation in proficiency testing programs and auditing activities to verify on-going competency and comparability in performance;

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- Provision of on-the-job training and established protocol for quality control (QC) corrective action for nonconforming events;
- An established program for ethics, and data integrity;
- Tiered data review process;
- Culture of continuous improvement;
- Monitoring activities to assess daily and long-term performance; and
- Annual critical review of the effectiveness of the QMS.

PAS also promotes a continuous improvement culture based on the principles of lean manufacturing. These principles include 3P (Process, Productivity, Performance) and Kaizen. 3P is a platform used by PAS to share best practices and standardization across the network to achieve operational excellence. Kaizen is a team-based process used to implement tools and philosophies of lean to reduce waste and achieve flow with the purpose of improving both external and internal customer satisfaction. The PAS lean program and activities help to mitigate risk because they generate a collective understanding of vulnerabilities and utilize group-effort to develop and implement solutions at all levels.

Risk and opportunities may also be formally identified using specific risk and opportunity assessment methods such as SWOT Analysis (Strength, Weakness, Opportunity, Threats) and 3-Stage Impact/Probability Grids.

#### 4.2.1.3 Communication of the Quality Management System

This manual is the primary mechanism used by PAS management to communicate the QMS to personnel.

To assure personnel understand and implement the quality program outlined in the manual:

- PAS personnel are required to sign a Read and Acknowledgement Statement to confirm the employee has:

  1) been informed of the manual by management;

  2) has access to the manual;

  3) has read the manual;

  4) understands the content of the manual; and

  5) agrees to abide by the requirements, policies, and procedures therein.

- Personnel are informed that the manual provides the "what" of the QMS. The "how to" implementation of the QMS is provided in policy, SOPs, standard work instructions, and other instructional documents.

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- This manual and supporting policies and procedures are made readily accessible to personnel in the area where the work activity is performed.

### 4.2.2 Quality Policy Statement

The quality policy of PAS is to provide customers with data of known and documented quality fit for their intended purpose. PAS achieves this policy by implementing the QMS defined in this manual, by following industry accepted protocol for analytical testing and quality assurance and quality control (QA/QC) activities, by conformance with published and industry accepted testing methodologies, and by compliance with international and national standards for the competency and/or accreditation of testing laboratories.

Intrinsic to this policy statement is each of the following principles:

- PAS will provide customers with reliable, consistent, and professional service. This is accomplished by making sure each PAS location has the resources necessary to maintain capability and capacity; that staff are trained and competent to perform the tasks they are assigned; that client-facing staff are trained and prepared to find solutions to problems and to assist customers with their needs for analytical services. Customer feedback, both positive and negative, is shared with personnel and used to identify opportunities for improvement.
- PAS maintains a quality program that complies with applicable state, federal, and industry standards for analytical testing and competency.
- PAS management provides training to personnel so that all personnel are familiar with the QMS outlined in this manual and that they understand that implementation of the QMS is achieved by adherence to the Pace® and PAS policies and procedures.
- PAS management continuously evaluates and improves the effectiveness of the QMS by responding to customer feedback, and other measures of performance, such as but not limited to the results of internal/external audits, proficiency testing, metrics, trend reports, and annual and periodic management reviews.

#### 4.2.2.1 Ethics Policy / Data Integrity Program

Pace® has established a comprehensive ethics and data integrity program that is communicated to all Pace® employees so that they understand what is expected of them. The program is designed to promote a mindset of ethical behavior and professional conduct that is applied to all work activities.

The key elements of the Pace® Ethics / Data Integrity Program include:

- Ethics Policy (COR-POL-0004);
- Standardized data integrity training course taken by all new employees on hire and a yearly refresher data integrity training course for all existing employees;
- Policy Acknowledgement Statements that all Pace® personnel, including contract and temporary, are required to sign at the time of employment and again during annual refresher training to document the employee's commitment and obligation to abide by the company's standards for ethics, data integrity and confidentiality;

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- SOPs that provide instructions for how to carry out a test method or process to assure tasks are done correctly and consistently by each employee;
- On the Job Training;
- Data integrity monitoring activities which include, but are not limited to: primary, secondary and completeness data reviews, internal technical and system audits, data audits, data surveillance, and proficiency testing; and
- Confidential reporting process for alleged ethics and data integrity issues.

All PAS managers and supervisors are expected to provide a work environment where personnel feel safe and can report unethical or improper behavior in complete confidence without fear of retaliation. Retaliation against any employee that reports a concern is not tolerated.

Pace® has engaged Lighthouse Services, Inc. to provide personnel with an anonymous reporting process available to them 24 hours a day/7 days per week. The alert line may be used by any employee to report potential violations of the company's ethics and data integrity program. Reports are forwarded toPace® leadership to investigate and resolve the matter. Investigations concerning data integrity are kept confidential.

See COR-POL-0001 *Compliance Alertline* for more information.

Posters and flyers with the compliance alert line information must be prominently posted in each PAS location for personnel reference.

**Compliance Alert Line Information:**

| | |
|---|---|
| English Speaking US & Canada | (844) 940-0003 |
| Spanish Speaking North America | (800) 216-1288 |
| Internet | www/lighthouse-services.com/pacelabs |
| Email | reports@lighthouse-services.com |

### 4.2.3 Management Commitment: Quality Management System

Evidence of management's commitment for the development, maintenance, and on-going improvement of the QMS is provided by the application of their signature of approval to the template and/or manual. Their signature confirms they understand their responsibility to implement the QMS outlined in this manual, to communicate the quality program to personnel, and to uphold requirements of the program during work activities.

### 4.2.4 Management Commitment: Customer Service

Management communicates the importance of meeting customer and regulatory requirements to personnel by training personnel on the QMS outlined in this manual, implementing the QMS outlined in this manual, and upholding these requirements for all work activities.

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### 4.2.5 Supporting Procedures

References to processes and procedures that support the QMS are included throughout this manual. The structure of the document management system is outlined in SOP ENV-SOP-CORQ-0015 *Document Management* and summarized in the following subsections.

#### 4.2.5.1 Quality Management System Document Structure

Documents associated with the QMS are classified into document types that identify the purpose of the document and establish how the document is managed and /or controlled.

**Examples: Types of PAS Internally Created Documents**

| Document Type | Purpose |
|---|---|
| Quality Manual | Outlines the PAS QMS and structure and how it works for a system including policy, goals, objectives and detailed explanation of the system and the requirements for implementation of system. Includes roles and responsibilities, relationships, procedures, systems, and other information necessary to meet the objectives of the system described. |
| Policy | Provide requirements and rules for a process and is used to set course of actions and to guide and influence decisions. Policy describes the "what," not the "how." |
| Standard Operating Procedure | Provide written and consistent set of instructions or steps for execution of a routine process, method, or set of tasks performed. Assures that activities are performed properly in accordance with applicable requirements. |
| Standard Work Instruction | Provide step by step visual and/or written instruction to perform a specific task to improve competency, minimize variability, reduce work injury and strain, or to boost efficiency and quality of work (performance). SWI are associated with an SOP unless the task described is unrelated to generation of or contribution to environmental data or analytical results. |
| Template | Pre-formatted document that serves as a starting point for a new document. |
| Guide | Assists users in using a particular product; or a technical interpretation of a method or process by which PAS locations must abide. |
| Form / Worksheet | Used for a variety of purposes such as to provide a standardized format to record observations, to provide information to supplement an SOP. |

**Examples: Types of External Documents used by PAS**

| | |
|---|---|
| Certificate | Lists parameters, methods, and matrices for which the location is certified/accredited to perform within the authority of the issuing regulatory agency or accreditation body. |
| Reference Document | Provide information, protocol, instructions, and/or requirements. Issued by the specifier. Examples include ISO/IEC, TNI, DoD/DOE and published referenced methods such as Standard Methods, ASTM, SW846, EPA, and federal and state regulatory bodies. |
| Project Document | Provides requirements necessary to meet individual client expectations for intended use of data. Examples include project quality assurance plans (QAPP), client-program technical specifications, contracts, and other agreements. |

Project documents are managed as external documents and any requirements for work specified is followed when work for the project is performed. If the project document is less stringent than the PAS QMS, policies, or SOPs, and/or is less stringent than applicable federal or state requirements, PAS locations are still required to meet the minimum requirements of the PAS QMS and any applicable statutory or federal requirements in addition to the requirements specified in the project

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document. Information and requirements from project documents are not incorporated into PAS policy or SOPs in order to maintain client confidentiality.

Document types are ranked to identify which documents takes precedence when there is an actual or perceived conflict between documents and to establish the hierarchal relationships between documents. The ranking system also provides information to document writers and reviewers to assure downline documents agree with documents of higher rank.

**PAS Document Hierarchy**

| Rank | Document Type |
|---|---|
| 1 | External Reference Documents (Standards, Test Methods) |
| 2 | Quality Manual Template |
| 3 | Corporate & Division Policy |
| 4 | Corporate & Division SOP |
| 5 | Division SWI, Guides, Forms/Worksheets |
| 6 | Local Quality Manual |
| 7 | Local SOP |
| 8 | Local SWI, Guides, Forms/Worksheets |

#### 4.2.6 Roles and Responsibilities

The roles and responsibilities for technical management and the quality manager is provided in section 4.1.5.2.

#### 4.2.7 Change Management

When significant changes to the PAS QMS are planned, these changes are managed by corporate quality personnel to assure that the integrity of the QMS is maintained.

### 4.3 Document Control

#### 4.3.1 General

PAS uses electronic document management software (eDMS) to control documents that support the PAS QMS. eDMS provides centralized distribution and access to all documents used by PAS. All PAS locations must use the PAS eDMS system unless an exemption to this requirement has been granted by the PAS Corporate Quality Director.

eDMS automates the process for unique document identification, version control, approval, access, and archival and restricts access to archived documents except to authorized users to prevent the use of obsolete documents.

The local QM maintains a master list of controlled documents used at each location. The master list minimally includes the document control number, document title, and current revision status and is made available to personnel for their reference.

See SOP ENV-SOP-CORQ-0015 *Document Management* for more information.

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#### 4.3.2 Document Approval and Issue

Documents that support the QMS are reviewed by qualified personnel and approved by management prior to release for use.

Only the approved versions of documents are available to personnel for use unless a draft document is authorized by management.

The managers responsible for authorization of each document is specific to the document type.

See SOP ENV-SOP-CORQ-0015 *Document Management* for more information.

#### 4.3.3 Document Review and Change

Unless a more frequent review is required by regulatory, certification or accreditation program documents are reviewed at least every two years to ensure the documents remain current, appropriate, and relevant.

Documents are also informally reviewed every time the document is used. Personnel are expected to refer to and follow instructions in controlled documents when they conduct their work activities. Consequently, any concerns or problems with the document should be caught and brought to the attention of management on an on-going basis.

Documents are revised whenever necessary to ensure the document remains usable and correct. Older document versions and documents no longer needed are made obsolete and archived for historical purposes.

PAS does not allow hand-edits of documents. If an interim change is needed pending re-issue of the document, the interim change is communicated to those that use the document using a formal communication channel, such as change in progress form, email, or memorandum.

The document review, revision, and archival process is managed by quality personnel at the location from which the document was released using the procedures established in SOP ENV-SOP-CORQ-0015 *Document Management.*

### 4.4 Analytical Service Request, Tender, and Contract Review

PAS management and/or client service personnel perform thorough reviews of requests and contracts for analytical services to verify the location(s) performing the work has the capability, capacity, and resources necessary to successfully meet the customer's needs. These review procedures are described in SOP ENV-SOP-ORB1-0128 *Review of Analytical Requests.*

The procedures in this SOP(s) are established to ensure:

- The PAS location(s) performing the work understand the purpose of data collection in order to ensure the test methods requested are appropriate for the intended use of the data and capable of meeting the client's data quality objectives;
- PAS locations and any external subcontractor(s) have the capability, capacity, and resources to meet the project requirements and expectations within the requested time for delivery of work product;
- Any concerns that arise from review are discussed and resolved with the client;

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- Any discrepancies between the PAS QMS, statutory or regulatory requirements and the client request are resolved; and
- The results of review and any correspondence with the client related to this process and/or any changes made to the contract are recorded and retained for historical purposes.

Capability review confirms that the PAS locations contracted to perform the work and any internal or external subcontractors hold required certification/accreditation for the test method, matrix, and analyte and verifies the location can achieve the client's target compound list and data quality objectives (DQOs) for analytical sensitivity and reporting limits, QA/QC protocol, and hardcopy test report and electronic data deliverable (EDD) formats.

Capacity review verifies that the in-network locations and any potential subcontractors are able to manage the sample load and deliver work production within the delivery time requested.

Resource review verifies that the location and any potential subcontractors have adequate qualified personnel with the skills and competency to perform the test methods and services requested and sufficient and proper equipment and instrumentation needed to perform the services requested.

Customers must be notified when there is a deviation from the contract after acceptance of the contract by both parties. Instructions for this notification process must be included in the laboratory's SOP for this process.

## 4.5 Subcontracting (Internal and External)

The terms 'subcontract' and "subcontracting" refers to analytical work done by an organization external to Pace® (External Subcontracting) or by a Pace® location with an address different than the address listed on the cover page of the test report (Internal Subcontracting).

The PAS network offers comprehensive analytical capability and capacity to ensure Pace® can meet a diverse range of client needs for any type of project. If a PAS laboratory receives a request for analytical services and it cannot fulfill the project specifications, the location's client services team will collaborate with the client to place the work within the PAS network.

When it is not possible to place the work within network, the location will, with documented client approval, subcontract the work to a subcontractor that has the capabilities to meet the project specifications and can meet the same commitment agreed on between the location and the client.

Whenever work is subcontracted, the PAS location responsible for management of the project verifies each of these qualifications:

- The internal or external subcontractor has the proper accreditation/certifications required for the project and these are current; and
- The use of the internal or external subcontractor is approved by the client and/or regulatory agency when such approval is required by the customer. Record of customer approval is retained in the project record.

External subcontractors selected by Pace® must be pre-qualified by quality personnel to verify their QMS is similar to Pace® and complies with all relevant Standards such, as ISO/IEC 17025 and the TNI Standard(s) and/or federal and state regulatory requirements. The list of approved subcontractors for each location is maintained by local quality personnel. Pre-qualification of a subcontractor does not eliminate the requirement for the PAS location placing work to verify the

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subcontractor has the certifications, capability, capacity, and resources to perform work on behalf of Pace® on a project-specific basis.

For all subcontracted work, the PAS location placing the work internally or externally is responsible to ensure project specifications are always communicated to and understood by the subcontractor.

## 4.6 Purchasing Services and Supplies

Vendors that provide services and supplies to PAS are qualified to meet the needs of Pace®. These needs include but are not limited to competitive pricing, capacity to fill purchase orders, quality of product, customer service, and business reputation and stability. Evidence of this qualification is the availability to purchase services and supplies from the vendor in the corporate purchasing system.

PAS locations may purchase goods and services from any supplier in the purchasing system.

The specifications (type, class, grade, tolerance, purity, etc.) of supplies, equipment, reagents, standard reference materials and other consumables used in the testing process are specified in SOPs. The SOP specifications are based on the governing requirements of the approved reference methods and any additional program driven regulatory specification, such as drinking water compliance.

All requisitions for materials and consumables are approved by local management who is responsible for ensuring the services and supplies procured and received are fit for intended use.

## 4.7 Customer Service

Project details and management is managed by PAS client services personnel.

### 4.7.1 Commitment to Meet Customer Expectations

PAS personnel collaborate closely with our customers to ensure their needs are met and to establish their confidence in the capability of PAS to meet their needs for analytical services and expectations for service.

The project manager (PM) is the customer's primary point of contact for each analytical service request (work order). The PM gathers information from the customer to ensure the details of their request are understood. After samples are received, the PM monitors the progress of the project and alerts the customer of any delays or excursions that may adversely impact data usability. Supervisors are expected to keep the PM informed of project status and any delays or key issues, so that the PM can keep the client informed.

PAS encourages customers to visit our locations to learn more about the capabilities, observe performance and to meet personnel.

PAS customers expect confidentiality. Personnel will not divulge or release information to a third party without proper authorization unless the information is required for litigation purposes. See Section 4.1.5.4 of this manual and policy COR-POL-0004 *Code of Ethics and Professional Conduct* for more information on the policy for client confidentiality.

### 4.7.2 Customer Feedback

PAS actively seeks positive and negative feedback from customers through surveys and direct communication. Information from the client about their experience working with PAS and their satisfaction with work product is used to enhance processes and practices and to improve decision making. Customer feedback is reviewed to identify risk and opportunity. Corrective,

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preventive, or continuous improvement actions are taken based on nature of and/or feedback trends.

Also see sections 4.9, 4.10, 4.11, 4.12, 4.14, and 4.15 for more information about how customer feedback is managed by PAS and used to enhance the QMS.

## 4.8 Complaints

Per ISO/IEC 17025:2017, a complaint is a formal expression of dissatisfaction with the performance of a service or product originating from a party external to the organization. PAS believes complaints provide opportunities to improve processes and/or build stronger working relationships with our clients.

The PAS complaint resolution process is specified in corporate SOP ENV-SOP-CORQ-0020 and all PAS locations are required to use this SOP as their process.

Complaints are thoroughly reviewed to determine if it is valid. If the complaint is valid, action is taken to resolve the situation with the customer. In accordance with ISO/IEC 17025 requirements, the response to the customer is independently reviewed before it is given to ensure the response from PAS is thorough and proper for the situation.

Complaint information is captured in a centralized database and the data is used by PAS management personnel to identify trends and opportunities for improvement during Annual Management Review - See Section 4.15 for more information about annual management review.

## 4.9 Nonconforming Work

### 4.9.1 Definition of Nonconforming Work

Nonconforming work is work that does not conform to customer requirements, standard specifications, policies, and procedures, or that does not meet acceptance criteria.

The discovery of non-conforming work comes from various sources which include, but are not limited to:

- results of quality control samples and instrument calibrations;
- quality checks on consumables and materials;
- general observations of personnel;
- data review;
- proficiency testing;
- internal and external audits;
- complaints and feedback;
- management review and reports; and
- regulatory and certification and accreditation actions.

The way in which the laboratory or service center manages nonconforming work depends on the significance and impact (risk) of the issue. Some issues may simply require correction, others may require investigation, corrective action (See 4.11) and/or data recall (See 4.16).

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When the location releases data and test results associated with nonconforming QC and acceptance criteria, test results are qualified, or non-conformances are noted in the final analytical report to apprise the data user of the situation. (See 5.10)

Nonconforming work also includes unauthorized departure from policies, procedures, and test methods. Authorized departures are explained in the following subsections. Situations that do not conform to these conditions are considered unauthorized departure(s).

#### 4.9.1.1 Authorized Departure from SOPs

Departures from an SOP may sometimes be necessary to correct an error in an SOP or to resolve a complex problem. For example, to mitigate complex matrix interference.

An authorized departure from a test method SOP is one that has been reviewed and approved by the department leader, however named, of the work area in which the test method is performed. The leader, when authorizing a departure from an SOP, accepts full responsibility to ensure the departure does not conflict with Pace® or PAS policy or procedure, does not affect statutory, regulatory or program compliance and does not adversely affect data integrity or usability.

Departure from administrative or process-oriented SOPs must be approved by the local QM.

Documentation of the reason for the SOP departures must be retained with management approval. Approved departures from test method SOPs should be noted in the final test report to advise the data user.

See SOP ENV-SOP-CORQ-0016 *SOP for SOPs and SWI*, for more information.

#### 4.9.1.2 Authorized Departure from Test Methods (Method Modifications)

When test results are associated to a published reference test method, the location's test method SOP must be consistent with the test method. If the test method is mandated for use by a specific regulatory program such as drinking water, wastewater or a certification or accreditation program, such as TNI/NELAC, the SOP must comply with or include these requirements, or the resulting data and test results cannot be used for regulatory compliance purposes.

If the procedures in the SOP are modified from the test method, these modifications must be clearly identified in the SOP. The conditions under which the location may establish an SOP that is modified from these reference methods or regulatory program and what is considered a modification are specified in ENV-SOP-CORQ-0011 *Method Validation and Instrument Verification*.

Client requests to deviate from the test method are managed as client requests to depart from the test method SOP since it is the SOP that the location follows when performing work.

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#### 4.9.1.3 Stop Work Authority

Stop Work Authority provides PAS personnel with capability to temporarily stop work when there is a perceived unsafe condition or situation that may affect data integrity or the safety of personnel.

All personnel have the authority to initiate and request a stop work order when necessary to preserve data integrity or safety of workers.

The need for the stop work order and resolution of the problem must be confirmed by subject matter experts and resumption of work must be approved as follows:

- For stop work orders related to environmental health and safety (EHS) and/or waste management, the decision to stop work may be made in real time to protect the safety of the worker. Actions taken to correct the problem and lift the stop work order are made by the EHS Director, or the deputies assigned to these positions.
- Any employee may request a temporary stop work order for concerns related to data integrity. However, the request must be reviewed and the need to stop work affirmed by the Quality Manager to confirm the concern is valid. The decision to uphold the stop work order must be made jointly by the local QM, the QPM, the GM or DLO, and the VPO. The Corporate Quality Director and Chief Technical Officer, and other members of PAS management are consulted as needed. The actions taken to correct the problem and authorization to lift the stop work order are made by the same management team.

## 4.10 Continuous Improvement

The PAS QMS is designed to achieve continuous improvement through the implementation of the quality policy and objectives outlined in this manual. Information about laboratory and service center activities and performance is gained from sources such as customer feedback, audits, QC, trend analysis, business analytics, management reports, proficiency testing, and management systems review. This information is subsequently used during the corrective action (see section 4.11) and preventive action (see section 4.12) processes and during annual review of the management system (see section 4.15) to establish goals and objectives for improvement.

PAS also promotes a continuous improvement culture based on the principles of lean manufacturing. These principles include 3P (Process, Productivity, Performance) and Kaizen. 3P is a platform used by Pace to share best practices and standardization across the network to achieve operational excellence. Kaizen is a team-based process used to implement tools and philosophies of lean to reduce waste and achieve flow with the purpose of improving both external and internal customer satisfaction. All activities of 3P and Lean must conform with the requirements of this quality manual and supporting policies and procedures.

## 4.11 Corrective Action

Corrective action is a process used to eliminate the cause of a detected nonconformity. It is different from a correction. A correction is an action taken to fix an immediate problem but that does not resolve the underlying cause of why the problem occurred. The objective of corrective action is to find the underlying cause(s) of the problem and to put in place fixes to prevent the problem from

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happening again. The corrective action process, referred to as CAPA, is one of the most effective tools used by PAS to prevent nonconforming work, identify risk and opportunity, and improve service to our customers.

PAS has two general processes for corrective action, the application of which process is used depends on the type of nonconformity.

Quality control (QC) exceptions (nonconformance) that occur during routine testing is investigated through troubleshooting and required actions for correction is specified in policies and SOPs. When action is not taken, cannot be taken, or is not successful, test results associated with the nonconforming work are qualified in the final test report. Documentation of the nonconformance and corrective action taken is documented in the analytical record.

A 7-stage corrective action process is used when there is a recurring problem. These problems are identified through various activities such as but not limited to quality control trends, internal and external audits, management review, customer feedback, and general observation.

The 7 Stage CAPA Process for PAS includes:

1) Identification and Containment
2) Evaluation
3) Investigation
4) Cause Analysis
5) Action Plan
6) Implementation
7) Follow Up and Effectiveness Review

PAS procedures for corrective action are specified in corporate SOP ENV-SOP-CORQ-0018, *Procedure for Corrective and Preventive Action*. Some key concepts and activities related to the PAS corrective action process is provided in the next three subsections.

### 4.11.1 Cause Analysis (AKA Root Cause Analysis)

Cause analysis is the process of investigation used to identify the underlying cause(s) of the problem. After causal factors are identified, ways to mitigate the causal factors are identified and action(s) most likely to eliminate these factors are taken.

PAS uses different methods to conduct cause analysis. The most common approach is 5-Why, 4M, Fishbone Diagrams, or brainstorming may be appropriate depending on the situation. The method used is case specific and is documented in the CAPA record.

### 4.11.2 Effectiveness Review

Monitoring corrective actions for effectiveness is an essential part of the corrective action process. Effectiveness means the actions taken were appropriate and sustainable. Appropriate means the action(s) taken prevented recurrence of the problem since the time corrective action was taken and sustainable means the actions taken are still in place.

The data from CAPA records are used by PAS to identify opportunities for preventive action or to gain lessons learned when actions taken were not adequate to solve the problem. See Section 4.12 (Preventive Action) and 4.15 (Management Review) for more information.

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#### 4.11.3 Additional Audits

When cause analysis and investigation of a problem casts doubt on compliance with PAS policies, procedures, or to regulatory requirements; a special audit of the area of activity may be performed as part of the corrective action process. These special audits are used to determine the scope of the problem and to provide information for the CAPA process. Additional full-scale audits are done when a grave issue or risk to the business is identified.

## 4.12 Preventive Action

Preventive action(s) are actions taken to eliminate the cause of a potential nonconformity before it happens.

Some examples of preventive action include, but are not limited to:

- Routine instrument maintenance (Preventive maintenance)
- Addition of Staff and Equipment
- Professional Development Activities
- Implementation of New Technology

PAS looks for opportunities for preventive action from a variety of sources including employee idea's, customer feedback, business partners input, trend analysis, business analytics, management reviews, proficiency testing results, and risk-benefit analysis.

PAS management evaluates the success of preventive actions taken in any given year during annual management review. See Section 4.15 for more information.

#### 4.12.1 Change Management

Preventive actions may sometimes result in significant changes to processes and procedures used by PAS locations. PAS management evaluates the risks and benefits of change and includes in its implementation of change process, actions to minimize or eliminate any risk. The types of changes for which risk are considered and managed include infrastructure change, change in analytical service offerings, certification or accreditation status, instrumentation, LIMS changes, and changes in key personnel.

## 4.13 Control of Records

PAS records document activities and provide evidence of conformity to the requirements established in the QMS. These records may be hardcopy or electronic on any form of media.

#### 4.13.1 General Requirements

##### 4.13.1.1 Procedure

PAS requirements for control of records are specified in corporate policy ENV-POL-CORQ-0013 *Record Managemen*t.

The policy was established to assure quality and technical records are identified, retained, indexed, and filed to allow for retrieval during the entire retention time. During storage, records are kept secure and protected from deterioration. At the end

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of the retention time, the records are disposed of properly in order to maintain client confidentiality and to protect the interests of the company.

In general, PAS records fall into three categories: quality, technical, and administrative.

Examples of each are provided in the following table:

| Record Type | Includes Records of: |
|---|---|
| Quality | Audits: Internal and External<br>Certificates and Scopes of Accreditation<br>Corrective & Preventive Action<br>Management Review<br>Data Investigations<br>Method Validation<br>Instrument Verification<br>Training Records |
| Technical | Raw Data<br>Logbooks<br>Certificates of Traceability<br>Analytical Record<br>Test Reports & Project Information<br>Technical Training Records & Demonstration of Capability |
| Administrative | Personnel Records<br>Finance/Business |

#### 4.13.1.2 Record Legibility and Storage

Records are designed to clearly identify the information recorded. Manual entries are made in indelible ink; automated entries are in a typeface and of sufficient resolution to be read. The records identify personnel that performed the activity or entered the information. Records are archived and stored in a way that they are retrievable. Access to archived records is controlled and managed.

For records stored electronically, the capability to restore or retrieve the electronic record is maintained for the entire retention period. Hardcopy records are filed and stored in a suitable environment to protect from damage, deterioration, or loss. Hardcopy records may be scanned to PDF for retention. Scanned records must be checked against the hardcopy to verify the scan is complete and legible.

Administrative records are kept for a minimum of 5 years and technical and quality records are kept for 10 years unless otherwise specified by the client or regulatory program.

The date from which retention time is calculated depends on the record. In general, the retention time of technical records of original observation and measurement is calculated from the date the record is created. If the technical record is kept in a chronological logbook, the date of retention may be calculated from the date the logbook is archived. The retention time of test reports and project records, which are considered technical records, is calculated from the date the test report was issued.

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The retention time of quality records is usually calculated from the date the record is archived.

Refer to the record management policy and the location specific SOP for more information.

#### 4.13.1.3 Security

PAS locations are secure facilities and access to records is restricted to authorized personnel.

#### 4.13.1.4 Electronic Records

The data systems used to store electronic records is backed up in accordance with SOP ENV-SOP-ORB1-0129 *Data & Records Archival*. Access to archived records stored electronically is maintained by personnel responsible for management of the electronic system.

#### 4.13.1.5 Electronic Signature Policy

Work done by PAS locations include activities that require the application of a signature. Some work products are in electronic format and signatures are applied electronically.

The Electronic Signatures in Global and National Commerce Act (E-Sign Act) clarifies that electronic signatures are legally valid and enforceable under United States law.

See guide ENV-GUI-CORQ-0007 *Electronic Signatures* for more information.

### 4.13.2 Technical Records

In addition to the requirements specified in subsections 4.13.1.1 through 4.13.1.5, the requirements in the following subsections also apply to technical records.

#### 4.13.2.1 Description

Technical records are the accumulation of data and information generated from the analytical process. These records may include forms, worksheets, workbooks, checklists, notes, raw data, calibration records, final test reports, and project records. The accumulated record needs to provide adequate detail to historically reconstruct the process and identify the personnel that performed the tasks associated with a test result.

#### 4.13.2.2 Real Time Recordkeeping

Personnel are instructed and expected to always record observations, data, and calculations at the time they are made. PAS managers are responsible for ensuring that data entries, whether made electronically or on hardcopy, are identifiable to the task.

#### 4.13.2.3 Error Correction

Errors in records must never be erased, deleted, or made illegible. Use of correction fluid, such as white-out is prohibited. In hardcopy records, the error is corrected by a

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single strike through the original entry and the new entry recorded alongside or footnoted to allow for readability. Corrections are initialed and dated by the person making the correction. If the correction is not self-explanatory, a reason for the correction is recorded. Maintenance of proper practices for error correction is monitored through the tiered data review process described in Section 5.9.3.

For electronic records, equivalent measures of error correction or traceability of changes made is kept. For example, audit trails provide records of change.

## 4.14 Audits

Quality personnel, or their designees, perform internal systems and technical audits to assess implementation of the QMS and compliance to this manual, policy, and procedures that make up the QMS.

PAS locations are also audited by external parties such as regulatory agencies, customers, consultants, and non-government assessment bodies (NGAB).

Information from internal and external audits is used by local and corporate PAS management to address deficiencies and to identify opportunities to improve customer service and quality of work, including reliability and usability of data and test results.

Deficiencies, observations, and recommendations from audits are managed by the local QM using the CAPA process. See Section 4.11 for more information.

### 4.14.1 Internal Audit

Internal audits are conducted to ensure laboratory and business practices match what we say we do and what we say we do is compliant with the PAS QMS and relevant standards and requirements.

The internal audit program is managed by the local QM who prepares an audit plan at the beginning of each calendar year. The schedule is prepared to assure that all work areas are reviewed over the course of the year and test methods are audited every two years, unless a more frequent test method audit is required by program. Conformance to the schedule is monitored on a monthly basis.

PAS management is responsible for ensuring the audit schedule is maintained. PAS supervisors are expected to cooperate with the quality personnel to provide them with complete access to the work area, personnel, and records needed to conduct the audit.

Internal audits may be performed by non-quality personnel when the auditor is approved by the local QM. Non-quality personnel may not audit their own work activities unless it can be demonstrated that an effective and objective audit will be conducted. The person conducting the audit must be trained, qualified, and familiar enough with the objectives and policies of the PAS QMS and knowledgeable with process and test method SOPs related to the activities audited. The auditor should be trained in auditing practices in order to perform a thorough and effective evaluation.

Test method audits include reviews of test reports to verify the product is consistent with customer/project requirements, the work was conducted in accordance with policy and SOPs, the SOP complies with the cited reference method, test results are accurate, and of known and documented quality and properly qualified, when necessary.

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Special audits are performed as needed to follow up on a specific issue such as a client complaint, negative feedback, concerns of data integrity or ethics, or a problem identified through other audits. Special audits may be scheduled or unscheduled. Unscheduled internal audits are conducted whenever doubts are cast on compliance with regulatory requirements or its own policies and procedures. These unscheduled internal audits may be conducted at any time and may be performed without an announcement to the location or work area audited.

When observations and findings from any audit (internal or external) cast doubt on the validity of testing results, the location takes immediate action to investigate the problem and take corrective action. (Also see 4.11 and 4.16)

#### 4.14.1.1 Corporate Compliance Audit

PAS locations may also be audited by Pace® corporate personnel at discretion. The purpose of the corporate compliance audit is to assess whether the location's practices, processes and procedures conform with the PAS QMS and to identify risk and opportunity.

## 4.15 Management Review

Local management conducts an annual business review of each location under their purview to assess performance and to establish goals, objectives, and action plans for the upcoming year.

The procedure used to conduct this review is specified in corporate SOP ENV-SOP-CORQ-0005 *Management Review*.

At a minimum, the following topics are reviewed and discussed during annual management review:

- Changes in internal and external issues relevant to the location;
- Fulfillment of objectives and initiatives;
- suitability of policies and procedures, including EHS and waste management;
- status of actions from previous performance reviews;
- The outcome of recent internal audits;
- Corrective and preventive actions;
- Assessments by external bodies;
- The results of interlaboratory comparisons or proficiency tests;
- Changes in the volume and type of the work;
- Customer and personnel feedback, including complaints;
- Effectiveness of improvements / preventive actions made since last review;
- Adequacy of resources;
- results of risk identification;

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- Proficiency testing performance and other measures related to the assurance of validity of test results; other relevant factors, such as QC trends and training status.

The discussion and results of this review are documented in a report prepared by local management. This report includes a determination of the effectiveness of the management system and its processes, goals, and objectives for improvements in the coming year with timelines and responsibilities, and any other need for change.

Goals and action items from annual management systems review are shared with local employees and with corporate management to highlight focus areas for improvement in addition to areas in which the location has excelled.

### 4.16 Data Integrity

PAS procedures for the investigation and response to events that may affect data integrity are described in the PAS corporate SOP ENV-SOP-CORQ-0017 *Data Impact Assessment*s.

Customers whose data are affected by the problem are notified in a timely manner, usually within 30 days after the impact of the problem is understood. Some accreditation programs also require notification to the accreditation body (AB) within a certain timeframe from date of discovery. PAS locations must follow any program or project specific requirements for notification, when applicable.

# 5.0 TECHNICAL REQUIREMENTS

## 5.1 General

Multiple factors contribute to the correctness and reliability of the technical work performed by PAS.

These factors fall under these broad categories:

- Human Performance
- Facility and Environmental Conditions
- Test Method Performance and Validation
- Measurement Traceability
- Handling of Samples

The impact of each of these factors varies based on the type of work performed. To minimize negative effects from each of these factors, PAS accounts for the contribution from each of these categories when developing test method and process (administrative) SOPs, evaluating personnel qualifications and competence, and in the selection of equipment and supplies used.

## 5.2 Personnel

### 5.2.1 Personnel Qualifications

PAS personnel are qualified and competent to perform the roles and responsibilities of their position based on education, experience, and training.

Qualifications, duties, responsibilities, and authorities of each position are specified in job descriptions maintained by corporate HR (See Section 5.2.4). These job descriptions provide the general basis for the selection of personnel for hire and are used by the location to

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communicate to personnel the duties, responsibilities, and authorities of their position. Qualification records may include but are not limited to diploma, transcripts, and curriculum vitae (CV).

The term "personnel" refers to individuals employed by PAS or a PAS subsidiary directly as full-time, part-time, or temporary, and individuals employed by PAS by contract, such as through an employment agency. The term "personnel" is used interchangeably with the term "employee" throughout this manual. For the purposes of this manual, these terms are equivalent.

#### 5.2.1.1 Competence

Competence is the ability to apply a skill or series of skills to complete a task or series of tasks correctly within defined expectations.

PAS requirements for competence of personnel (education, qualification, work experience, technical skills, and responsibilities) are specified in job descriptions created by management and kept by human resources (HR). The job description provides the basis for the selection of personnel for each position.

An employee is considered competent when they have completed the required training specified in Section 5.2.2.

### 5.2.2 Required Training

Training requirements are outlined in Pace® policies COR-POL-0023 *Mandatory Training Policy,* COR-POL-0004 *Code of Ethics and Professional Conduct* and this Quality Manual.

#### 5.2.2.1 Training Program

The PAS training program includes these elements:

- Scheduling
- Execution
- Documentation
- Evaluation of Effectiveness

Training is scheduled by corporate personnel, local quality personnel, and the employee's direct supervisor.

Training is delivered using various methods that incorporate techniques that appeal to the four main learning styles: visual, aural, linguistic, and kinesthetic. Delivery methods include, on-the-job (OJT), instructor-led, self-study, eLearning, and blended.

Training must be documented with a training record to prove training occurred. Required training (Section 5.2.2.1.1-5.2.2.1.5) must be complete before the employee is authorized to work independently on client samples. Complete means the employee has successfully completed training and evidence of training is filed in the employees training record maintained by the corporate training group, the corporate group that assigned training, such as IT, HR, or EHS, and/or and the local quality department.

The employee's direct supervisor is responsible for monitoring completion of the employee's required training program and for providing adequate time to the

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employee to complete training assignments. The supervisor and employee are jointly responsible to ensure the employee's training status and training records for all required training is current, complete, documented and the training records are accessible.

Until the required training is complete, the employee's direct supervisor is responsible and accountable for all work produced by the employee under their supervision.

Training status is tracked by local quality personnel and made readily available to all employees so they can access and monitor their status in real time.

The following subsections specify the required PAS training for new hires and requirements for on-going training.

#### 5.2.2.1.1 New Hire Required Training

New hire training requirements apply to personnel new to Pace® and to existing employees starting in a new position or different work area.

Required new hire training includes each of the following topics:

- Ethics and Data Integrity (5.2.2.1.3)
- Quality Management System Policy and Procedure (5.2.2.1.4)
- Environmental Health and Safety (EHS)
- Demonstration of Capability (DOC) (5.2.2.1.5): Employees that prepare and test samples may also be required to successfully complete a DOC for the test method they are assigned before working independently on customer samples and to verify capability on a routine basis thereafter. Independent means without direct supervision of the work activity by the supervisor or a qualified trainer.

#### 5.2.2.1.2 On-Going Required Training

All personnel receive on-going training on each of the following topics:

- Ethics and Data Integrity
- Quality Management System Policy and Procedure
- EHS

#### 5.2.2.1.3 Ethics and Data Integrity

Ethics and data integrity training is provided to all new personnel upon hire and refresher training is provided to all employees minimally on an annual basis and more frequently as needed.

The training materials emphasize expectations, what to do, what not to do and the potential consequences that result from scientific misconduct and improper practices. Employees are informed that Pace® has a Zero Tolerance Policy for scientific misconduct, improper practices, and fraud. The employment of any employee found to have conducted, sanctioned,

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or instructed an employee to engage in these infractions will be terminated and the employee may be subject to debarment, and civil/criminal prosecution.

The following topics are covered:

- Pace® Policy for honest, transparent, and objective reporting of test results and data;
- Practices that are considered scientific misconduct, fraudulent and improper;
- How and when to report data integrity concerns or ethical violations;
- Record Keeping. The training emphasizes the importance of accurate, complete, and legible documentation of work activities;
- Procedures used by Pace® to prevent and monitor for infractions;
- Specific examples of breaches of ethical behavior such as improper data manipulations, adjustments of instrument time clocks, and inappropriate changes in concentrations of standards.

See COR-POL-0004 for more information.

#### 5.2.2.1.4 Management System Documents Training

The primary documents that support the PAS QMS include the Quality Manual, policies, and SOPs.

These documents specify what we do, how, and why and are the documents all employees must abide. The employee's commitment to abide by these documents is acknowledged with a Read and Acknowledgement Attestation (R&A). PAS employees must have a R&A on record for the local Quality Manual, and the policies and SOPs relevant to their job responsibilities. The R&A acknowledges the employee has received, read, and understands the content of the management system document, the employee agrees to follow any instructions and requirements specified in the document when carrying out their work tasks; and the employee understands that unauthorized changes or departure from procedures and requirements specified in the documents not allowed unless authorized, documented and disclosed.

Other documents that support the management system include forms and worksheets that record original observations and/or calculate test results, guides, project-specific documents, or other reference materials. Employees are not required to have a R&A for these types of documents – how to use the document is learned on the job.

Employee understanding, application, and adherence to the content specified in management system documents is continuously reinforced by

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on-the-job (OJT) training and routine checks and balances, such as secondary data review and internal audits.

#### 5.2.2.1.5 Demonstration of Capability (DOC) Requirements

A DOC is a procedure that establishes the ability of the analyst to perform a test procedure and obtain test results with acceptable accuracy and/or precision.

Newly hired employees that prepare or test samples are required to successfully complete an initial demonstration of capability (IDOC) for the test method before they are permitted to work independently on real world samples.

On-going demonstration of capability (ODOC) must be demonstrated on an annual basis thereafter.

The procedure for IDOC and ODOC can differ based on technology, analyte group and/or the regulatory or accreditation/certification program requirements that apply. In general, the options for ODOC are more flexible than for an IDOC on the premise that the analyst has routinely analyzed samples by the test method during the calendar year.

When more than 365 days (1 Year) has passed since the employee last analyzed real world samples by the test method; the employee must successfully redemonstrate capability with an IDOC to remain authorized to independently test real world samples.

A successfully complete DOC (IDOC or ODOC) is one where:

1) The DOC study data has been compiled, reviewed, and verified to meet acceptance criteria;

2) The DOC record has been approved by the department supervisor;

3) The DOC record has been verified complete by local quality personnel; and

4) The DOC record has been archived in the employee's training file for accessibility and reference.

If any of the above conditions is not met, the DOC is not complete.

Until the required training is complete, the employee's direct supervisor is responsible and accountable for all work produced by the employee under their supervision.

DOC procedures and acceptance criteria vary by program, technology, analyte group - therefore all options are not specified in this manual.

PAS locations must put in place a local DOC program appropriate for the testing services offered and that complies with relevant regulatory and/or accreditation/certification program requirements.

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For example – an acceptable DOC program for laboratories accredited to the TNI Standard might look like this:

- A DOC for chemistry test methods where spiking is an option is based on the employee's capability to achieve acceptable precision and accuracy for each analyte accredited from a series (usually 4) of replicates that were spiked at a specific concentration, and prepared and analyzed using the laboratory's test method SOPs.
- A DOC for a test method where spiking is not an option is based on an employee's capability to achieve comparable results to a peer.
- Specific instructions and acceptance criteria for DOCs for each test method may be specified in the test method SOP or a stand-alone SOP for DOC.

#### 5.2.2.2 Effectiveness of Training

Training effectiveness is measured by the employee's demonstrated ability to comprehend the training material and apply knowledge and skills gained to their job task. These evaluations include but are not limited to:

- Testing of the employee's knowledge of the QMS, policies, and technical and administrative procedures through various mechanisms, such as quizzes, and interviews.
- Demonstrated ability to convey information correctly and factually in written and verbal communication.
- Demonstrated ability to follow instructions and adhere to policy and procedure.
- Demonstrated ability to make sound decisions based on guidance and information available and to defend decisions made.
- Demonstrated initiative to seek help or guidance when the employee is unsure of how to proceed.

#### 5.2.2.3 Supplemental Learning

Supplemental learning objectives may be established for newly hired personnel to aid in their development of administrative and technical skills. These learning objectives and materials, referred to as Learning Plans (LP), are managed by the employee's direct supervisor.

Pace® also offers a wide variety of supplemental learning courses that are made available to all employees for professional development. The learning may be self-initiated based on an employee's interest or may be assigned to the employee at the discretion of management as professional development as part of an employee's annual goals.

Supplemental learning assignments are not prerequisites for competency (Section 5.2.1.1) and are not included in the required training program.

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#### 5.2.3 Personnel Supervision

Every employee is assigned a direct supervisor, however named, who is responsible for their supervision.

General supervisory responsibilities may include but are not limited to:

- Hiring Employees
- Training Employees
- Performance Management
- Development, oversight, and execution of personnel training plans
- Monitoring personnel work product to assure the work is conducted in accordance with this quality manual, policies, SOPs, and other documents that support the QMS.

#### 5.2.4 Job Descriptions

Job Descriptions that define the required education, qualifications, experience, skills, roles and responsibilities, and reporting relationships for each Pace® position are established by top management and kept by corporate HR. The job descriptions apply to employees who are directly employed by Pace®, part-time, temporary, technical, and administrative and by those that are under contract with Pace® through other means.

The job descriptions include the education, expertise, and experience required for the position and the responsibilities and duties, including any supervisory or managerial duties assigned to the position.

#### 5.2.5 Authorization of Technical Personnel

Technical personnel are authorized to perform the technical aspects of their position after laboratory management has verified that the employee meets the qualifications for the position, and has successfully completed required training (Section 5.2.2.1). After initial authorization, technical personnel are expected to maintain a current and complete training record, demonstrate on-going capability at least annually for each test method performed, and produce reliable results through accurate analysis of certified reference materials, proficiency testing samples, and/or routine quality control samples in order to remain authorized to continue to perform their duties.

Records used to support authorization which may include but are not limited to, transcripts, resumes, training records, experience, training, and certificates are kept by the PAS location or business function to which the employee is assigned, if the employee is in a role that support more than one location or business unit.

### 5.3 Accommodations and Facilities

#### 5.3.1 Facilities

PAS facilities are designed to support the activity performed. Access to PAS facilities is controlled by various measures, such as card access, locked doors, and staffed main entry.

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#### 5.3.2 Environmental Conditions

Each location is equipped with energy sources, lighting, heating, and ventilation necessary to facilitate proper and safe performance of calibrations and tests. Local management ensures that housekeeping, electromagnetic interference, humidity, line voltage, temperature, sound, and vibration levels are appropriately controlled to ensure the integrity of specific measurement results and to prevent adverse effects on accuracy or increases in the uncertainty of each measurement.

Environmental conditions are monitored, controlled, and recorded as required by the relevant specifications, methods, and procedures. Operations are stopped if it is discovered that the environmental conditions would jeopardize the integrity of analytical results or other work products.

#### 5.3.3 Separation of Incompatible Activities

The layout and infrastructure of each work area including air handling systems, power supplies, and gas supplies of each work area are designed for the type of analytical activity performed. Effective separation between incompatible work activities is maintained. For example, sample storage, preparation, and chemical handling for volatile organic analysis (VOA) is kept separate from semi-volatile organic analysis (SVOA).

Samples known or suspected to contain high concentration of analytes are separated from other samples to avoid the possibility for cross-contamination. If contamination is found, the source of contamination is investigated and resolved.

#### 5.3.4 Security

Security is maintained by controlled access to the building and by surveillance of work areas by authorized personnel. Access to each area may be controlled depending on the required personnel, the sensitivity of the operations performed, and potential safety concerns.

#### 5.3.5 Good Housekeeping

Local management must maintain good housekeeping practices in their facilities and maintain a standard of cleanliness necessary for analytical integrity and personnel health and safety.

### 5.4 Test Methods

#### 5.4.1 General Requirements

PAS locations must use test methods and procedures that are appropriate for the scope of analytical test services the laboratory offers.

Instructions on the use and operation of equipment and sample handling, preparation, and analysis of samples must be specified in SOPs. The instructions in SOPs may be supplemented with other documents including, but not limited to, standard work instructions (SWI), manuals, guides, project documents, and other reference materials.

#### 5.4.2 Method Selection

The test methods offered by PAS are primarily industry accepted published reference test methods. Each PAS laboratory bases its test method SOP on the latest version of the reference method unless regulatory requirements specify an earlier version must be used.

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The laboratory confirms that it can perform the test method and achieve desired outcome before analyzing samples following method validation protocols specified in Section 5.4.5.

The test methods used by the laboratory to test real world samples must meet the needs of the customer, be appropriate for the intended use of the data, and must conform with applicable federal, statutory, or program requirements.

When a customer does not specify the test method(s) to be used, the laboratory may suggest test methods that are appropriate for the intended use of the data and the type of samples to be tested. The laboratory will also inform customers when test methods requested are considered inappropriate for their purpose and/or out of date. This discourse takes place during review of analytical service requests (See Section 4.4).

### 5.4.3 Laboratory Developed Methods

A laboratory developed method is a test method developed wholly by PAS or a modification to a published method that is substantially modified from the specifications and procedures of a published test method.

Laboratory developed methods must be validated prior to use (see section 5.4.5) and the procedure documented in a test method SOP.

The requirements for non-standard methods (Section 5.4.4) also apply to PAS developed methods.

### 5.4.4 Non-standard Methods

A non-standard method is a testing protocol that is not published or approved for use by conventional industry standards.

Use of a non-standard method for testing must be agreed upon with the customer. The agreement, which is retained by the laboratory in the project record, must include the specifications of the client's requirements, the purpose of testing, and their authorization for use of the non-standard method.

### 5.4.5 Method Validation

The laboratory confirms that it can successfully perform the test method before analyzing samples through a process called method validation. Method validation is partially or fully repeated when there is a change in the published reference method or a change in the way the laboratory performs the test method that may affect selectivity, sensitivity, accuracy, precision, or general performance of the method.

#### 5.4.5.1 Validation Description

Validation is the process of confirmation and the provision of objective evidence that the stated requirements for a specific method/procedure are fulfilled.

The laboratory's requirements and procedures for method validation are outlined in SOP ENV-SOP-CORQ-0011 *Method Validation and Instrument Verification*.

#### 5.4.5.2 Validation Summary

All test methods offered by the laboratory are validated before use to confirm the procedure works as expected and the data and test results are accurate and precise.

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The record of validation is retained and kept in accordance with method validation SOP and PAS corporate policy ENV-CORQ-POL-0013 *Record Management*.

#### 5.4.5.3 Validation of Customer Need

The laboratory's validation process includes measures to assess accuracy, precision, sensitivity, selectivity, linearity, repeatability, reproducibility, robustness, and cross-sensitivity of the laboratory's procedure against general customer expectations for data usability.

The following subsections describe some of these concepts in relation to organic and inorganic chemistry (chemical testing). These descriptions and the requirements specified are pertinent to chemical testing and may not apply in the same context to other testing services offered by PAS such as radiochemistry, whole effluent toxicity (WET), asbestos, and microbiology. For more information about validation measures for these testing services, refer to the laboratory's test method SOPs.

##### 5.4.5.3.1 Accuracy

Accuracy is the degree to which the result of a measurement, calculation, or specification conforms to the correct value or a standard. When the result is within a range from the known value (control limit); the result is considered accurate.

##### 5.4.5.3.2 Precision

Precision refers to the closeness of two or more measurements to each other. It is measured by calculating the relative percent difference (RPD) or relative standard deviation (RSD) of results from separate analysis of the same sample. Precision provides information about repeatability, reproducibility, and robustness of the laboratory's procedure.

##### 5.4.5.3.3 Sensitivity

Sensitivity refers to the smallest amount of substance in a sample that can accurately be measured.

In chemical testing, this threshold is commonly known as the detection limit (DL) or method detection limit (MDL).

The DL is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.

The DL is either a statistically derived value obtained by multiplying the standard deviation from a series of spiked replicates by the student-T value that correlates to the number of replicates analyzed or it is set to the concentration greater than found in a population of method blanks.

Detections of target analytes below the DL are not reported – unless specified by regulatory program protocol, because presence of target analytes at this level cannot be differentiated from noise.

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Limits of Quantitation represent the threshold of the laboratory's procedure for quantitative sensitivity.

- The LOQ is the minimum level, concentration, or quantity of a target analyte that can be reported with a specified degree of confidence.
- The LLOQ is simply the concentration of the lowest calibration standard included in the calibration curve.

Although the LOQ and LLOQ may be and often are the same value; the definitions are not the same.

The LOQ is static – it is set when the DL is determined. The LOQ value must be routinely verified to confirm the laboratory can detect the concentration within a range of accuracy.

The LLOQ fluctuates based on the series of standards included in each calibration curve – the LLOQ is always the concentration of the lowest calibration standard included in the curve fit and for which samples are quantitated against. The LLOQ is not the concentration of the lowest standard analyzed, if the lowest concentration standard is not included in the curve, it is not relevant to sample quantitation. Unless otherwise specified by test method, regulatory program or project-specific protocol, accuracy at the LLOQ does not need to be verified independent of the evaluation of relative error or relative standard error.

Target analytes detected at concentrations between the DL and LOQ are known as estimated values – they are within the range of qualitative identification and outside the range of quantitative accuracy. If reported, the results must be qualified to indicate the test result is estimated.

The meaning of Limit of Detection (LOD) varies based on the context by which the term is used. Outside of the DoD program, LOD is another term used to refer to the DL or MDL.

PAS laboratories that are accredited for DoD, must also establish an LOD. The DoD defines the LOD as the smallest concentration of a substance that must be present in a sample in order to be detected at the DL with 99% confidence. This definition is different from the definition of DL - the DL represents the theoretical value at which a detection is distinguishable from a blank.

For DoD, the LOD is a value between the DL and the LOQ. Specifically, it must be 2-4X greater than the DL but less than the LLOQ or LOQ. The value of the LOD set by the laboratory must meet all criteria for qualitative identification and quantitative accuracy based on the signal to noise ratio.

For DoD/DOE project work, target analytes that are not detected at the DL are reported as undetected at the LOD and results between the DL and the LOQ are reported as estimated values.

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The reporting limit (RL) is the value to which test results are reported as detected or not detected. The RL may be project-defined based on project data quality objectives (DQO) and it may be above or below the LOQ or LLOQ. In the absence of project specific requirements, the RL is usually the same value as the LLOQ. The RL is also called the practical quantitation limit (PQL) – but this can be misleading if the RL is less than the LLOQ or LOQ.

In general, the RL should always be greater than or equal to the value that establishes the threshold for quantitative sensitivity, but it is common for clients to request laboratories to report undetected target analytes at the DL value. This instruction has evolved as an acceptable reporting practice; however, data users should understand the DL is a statistically derived value that does not represent the limit of quantitation.

Unless otherwise specified by regulatory program or test method, detection, quantitation, and reporting limits are adjusted for the amount of sample used (preparation factor) and the dilution factor and are adjusted for percent moisture when samples are reported on a dry weight basis.

To ensure detection and quantitation limits are sound and defensible, the procedures that PAS laboratories use to establish detection, quantitation and reporting limits for chemical testing must comply with the current version of each of the following documents:

- EPA document EPA-821-R-16-006 Definition and Procedure for the Determination of the Method Detection Limit;
- 2016 TNI Standard V1M4; and
- TNI GUID-3-109-Rev. 0, V1M4 2016 Standard Update Guidance on Detection and Quantitation.

#### 5.4.5.3.4 Selectivity

Selectivity refers to the ability of a method to correctly determine an analyte without interference from other compounds.

#### 5.4.5.3.5 Linearity

Linearity is a mathematical concept applied to calibration models that employ multiple points to establish a calibration range used for quantitative analysis. Linearity is measured differently based on the calibration model. In general, if linearity is demonstrated then the slope of the response of standards are sufficiently close to one another. The accuracy of the linear regression and non-linear curves is verified by checking percent error or relative standard error (RSE), which is the process of refitting calibration data back to the model to determine if the results are accurate. For linear curves that use average calibration or response factor, error is measured by relative standard difference (RSD).

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Linearity also establishes the range of quantitation for the test method used which directly impacts the sensitivity of the test method and uncertainty in measurement results. As previously noted, the LLOQ establishes the lower limit of quantitation. The upper range of linearity establishes the upper limit of quantitation. For most technologies, results outside of this range are considered qualitative values. However, some inorganic test methods allow the linear range to be extended above the upper limit of quantitation when accuracy at this level is verified.

Linearity can also be used to establish repeatability, reproducibility, and robustness of the laboratory's test method. When linearity is demonstrated using a specific calibration model during method validation, then use of this same calibration model to achieve linearity on a day-to-day basis confirms the laboratory's method is repeatable, reproducible, and robust.

### 5.4.6 Measurement Uncertainty

PAS provides an estimate of uncertainty with analytical results on request, or when required. For example, for radiochemistry testing, uncertainty is always reported with the test result.

For chemistry the uncertainty of the test method is embedded in the control limits used to assess performance of quality control (QC) samples. Language in ISO/IEC 17025 clarifies that measurement uncertainty is satisfied when a well-recognized test method specifies limits that account for source of bias, the laboratory has satisfied the requirements on analytical uncertainty by following the test method and reporting instructions. See Section 5.9.1.1.9 for more information.

### 5.4.7 Control of Data

PAS has policies and processes in place to assure that reported data is free from calculation and transcription errors, manual changes to data are thoroughly reviewed for need and correctness, and software systems used to generate or store data is secure.

#### 5.4.7.1 Calculations, Data Transfer, Reduction and Review

Data reduction is performed using commercially available data processing/reduction software, the LIMS (Laboratory Information Management System) and/or programs and worksheets created by PAS.

PAS does not permit manual calculation of results – that is the calculation of a test result by pen and paper or calculator. When there is no commercial software or LIMS option, PAS laboratories must create a worksheet from a spreadsheet program, such as Excel, to calculate results based on raw inputs and original observations. Spreadsheets for these purposes must be validated and controlled in accordance with policy ENV-CORQ-POL-0015 *Spreadsheet Validation.*

##### 5.4.7.1.1 Manual Integration

The PAS policy and procedures for manual integration are specified in PAS SOP ENV-SOP-CORQ-0006 *Manual Integration*.

This SOP includes the conditions under which manual integration is allowed and the requirements for documentation.

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Required documentation of manual integration minimally includes:

- complete audit trail to permit reconstruction of before and after results;
- identification of the analyst that performed the integration and the reason the integration was performed; and
- identification of the individual(s) that reviewed the integration and verified the integration was done and documented in compliance with the SOP.

#### 5.4.7.2 Use of Computers and Automated Acquisition

Whenever possible, PAS uses software and automation for the acquisition, processing, recording, reporting, storage, and/or retrieval of data.

In-house developed software is validated by Pace® corporate IT for adequacy before release for routine use. Commercial off the shelf software is considered sufficiently validated when the location follows the manufacturer or vendor's manual for set-up and use. Records of validation are kept by the corporate information technology (IT) group or by the group that performed the validation.

The PAS process for the protection of data stored in electronic systems includes:

- Individual usernames and passwords for Laboratory Information Management Systems (LIMS) and auxiliary systems used to store or process data.
- Employee Training in Computer Security Awareness
- Validation of spreadsheets used for calculations to verify formulas and logic yield correct results and protection of these cells to prevent unauthorized change.
- Operating system and file access safeguards
- Protection from Computer Viruses
- Regular system backup; and testing of retrieved data
- Verification the software application works as expected and is adequate for use and fulfills compliance requirements, such as the need to record date/time of data generation.
- Change control to assure requests for changes are reviewed and approved by management before the change is made.
- Communication channels to assure all staff are aware of changes made.
- Version Control and maintenance of historical records.

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## 5.5 Calibration Requirements

### 5.5.1 Availability of Equipment

Local management ensures the laboratory is furnished with all equipment and instrumentation necessary to correctly perform the tests offered in compliance with the specifications of the test method and to achieve the accuracy and sensitivity required.

### 5.5.2 Calibration

Equipment and instrumentation are checked prior to use to verify it performs within tolerance for its intended application.

#### 5.5.2.1 Support Equipment

Support equipment is verified to be in proper working order, and to meet the tolerance specifications for the purpose(s) for which it will be used prior to placement in service. Thereafter, periodic checks are performed to verify on-going performance per a schedule maintained by local quality personnel. Support equipment that does not meet specifications is removed from service and either repaired or replaced. Records of repair and maintenance activities are maintained.

Procedures used to conduct and record these checks are outlined in SOP ENV-SOP-ORB1-0105 *Support Equipment*.

#### 5.5.2.2 Analytical Instruments

Analytical instruments are checked prior to placement in service in accordance with SOP ENV-SOP-CORQ-0011 *Method Validation and Instrument Verification*. After the initial service date, the calibration of instruments and verification of calibration is performed in accordance with local test method SOPs.

The calibration procedures in the test method SOPs must comply with the requirements for acceptable calibration practices outlined in corporate policy ENV-POL-CORQ-0005 *Acceptable Calibration Practices*, the reference methods, and any applicable regulatory or program requirements.

### 5.5.3 Equipment Use and Operation

Up-to-date instructions and procedures for the use and maintenance of analytical equipment are included in SOPs and/or supplemental documents such as standard work instructions (SWI) or instrument manuals which are made readily accessible in the work area to all laboratory personnel.

### 5.5.4 Equipment Identification

Each piece of equipment is uniquely identified by serial number or any other unique ID system. The identifier is included in the equipment list maintained by the quality department and may not be reused or used interchangeably. New equipment and replacement equipment are assigned a new unique ID.

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### 5.5.5 Equipment Lists and Records

#### 5.5.5.1 Equipment List

Each PAS location maintains a list of equipment that includes information about the equipment including a description, manufacturer, serial number, date placed in service, condition when received, identity, and the work area where the equipment is used. The equipment list(s) for each location covered by this manual is provided in Appendix E.

#### 5.5.5.2 Equipment Records

In addition to the equipment list, other equipment records maintained by PAS include:

- Verification that equipment conforms with specifications.
- Calibration records including dates, results, acceptance criteria, and next calibration dates.
- Maintenance plan and records.
- Records of damage, malfunction, or repair.

The laboratory follows an equipment maintenance program designed to optimize performance and to prevent instrument failure which is described in SOP SOP-ENV-ORB1-0109 *Preventive Maintenance,* or in individual test method SOPs.

The maintenance program includes routine maintenance activities which are performed as recommended by the manufacturer at the frequency recommended and non-routine maintenance, which is performed to resolve a specific problem such as degradation of peak resolution, shift in calibration relationship, loss of sensitivity, or repeat failure of instrument performance checks and quality control samples.

Maintenance is performed by PAS personnel or by outside service providers.

All maintenance activities performed by PAS personnel are recorded by the individual(s) that performed the activity at the time the maintenance was performed in an instrument maintenance log.

The maintenance record minimally includes the date of maintenance, the initials of the person(s) performing maintenance, a description of the activity performed, why (when the maintenance is non-routine), and the return to analytical control. When maintenance is performed by an external vendor, the service record must be maintained and accessible for easy retrieval. The location must provide personnel with unrestricted access to instrument maintenance logs in order to promote good instrument maintenance and recordkeeping practices.

If an instrument must be moved, the location will use safe practices for handling and transport to minimize damage and contamination.

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### 5.5.6 Out of Service Protocol

Equipment that has been subjected to overloading, mishandling, gives suspect results, has been shown to be defective, or is performing outside of specified limits is taken out of service and either removed from the work area or labeled to prevent accidental use until it has been repaired and verified to perform correctly.

When analytical equipment is taken out of service because it no longer meets tolerance specifications, the potential effect the nonconformity may have had on previously reported analytical results is evaluated.

### 5.5.7 Calibration Status

Support equipment is labeled to identify its calibration status.

The calibration status of analytical instruments is identified in the instrument run log, in the data processing software or other systems the laboratory may use for processing of data. Analysts verify on-going acceptability of calibration status prior to use and with instrument performance check standards. These procedures are described in test method SOPs.

### 5.5.8 Returned Equipment Checks

When equipment or an instrument is sent out for service, the function and calibration status of the equipment must be rechecked and shown to be satisfactory before the equipment is returned to service. This requirement must be included in the laboratory's protocols for servicing equipment.

### 5.5.9 Intermediate Equipment Checks

PAS performs intermediate checks on equipment to verify the on-going calibration status. For example, most test methods require some form of continuing calibration verification check, and these procedures are included in the test method SOP. Periodic checks of support equipment are also performed; see SOP ENV-SOP-ORB1-0105, *Support Equipment* for more information.

### 5.5.10 Safeguarding Equipment Integrity

Equipment integrity in maintained by:

- Following manufacturer's specification for instrument use so that settings do not exceed manufacturer's recommendation or stress the performance of the equipment;
- Established maintenance programs;
- Transparent maintenance records and unrestricted access to maintenance logs;
- Validation and approval of software before use;
- Audits to confirm instrument settings are consistent with SOPs; and
- On-the-job training for safe and proper use of laboratory equipment.

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## 5.6 Measurement Traceability

### 5.6.1 General

Measurement traceability is best described as the way to ensure measurements take into consideration all uncertainties and are representative of the most accurate measurement captured. Traceability is accomplished with the recording of the lot numbers of materials and equipment used in the testing process and by purchasing materials traceable to the international standards of units (SI), International Bureau of Weights and Measures (BIPM) and/or National Measures Institute NMI).

When traceability to SI units, BIPM, or NMI cannot be achieved, traceability is accomplished with the use of reference standards and equipment obtained from competent suppliers that provide calibration certificates and/or certificates of analysis (COA).

### 5.6.2 Equipment Correction Factors

Measurements are adjusted by the correction factor when the equipment used for the measurement has a correction factor.

#### 5.6.2.1 Requirements for Calibration Laboratories

PAS does not offer calibration services, therefore, the ISO/IEC 17025 for calibration laboratories do not apply.

#### 5.6.2.2 Requirements for Testing Laboratories

Requirements to verify equipment is calibrated prior to being put into service and to maintain measurement traceability are described in in sections 5.5.2 and 5.6, respectively.

### 5.6.3 Reference Standards and Reference Materials

#### 5.6.3.1 Reference Standards

The laboratory uses measurement reference standards to verify adequacy of working weights and thermometers. The working weights are the weight(s) used for daily balance calibration checks and the working thermometers are used for daily temperature measurements.

Working weights and thermometers are periodically checked to verify on-going adequacy for use between the calibrations performed by an external calibration laboratory using reference standards traceable to SI or a national standard and that are used solely for verification purposes.

For example:

- An acceptable reference standard to verify working thermometers is a NIST Certified thermometer or a NIST Traceable thermometer that is not used for any other purpose other than to check the adequacy of the working thermometer.
- An acceptable reference standard for the working weights is a set of Class S weights that is not used for any other purpose than to verify the weights used daily.

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The working weights are checked against the reference standard annually and recertified by an ISO accredited calibration body every 5 years. "Annually" means within thirteen (13) months from the date of the last check.

Working thermometers are checked against the reference thermometer prior to placement in service to establish a correction factor (CF) and then re-checked annually (± 13 months from date of last check) or if electronic, every three (3) months (± 100 days from date of last check).

Exceptions to the 3-month recheck for battery operated sensors are allowed when the sensor is embedded in a unit and the manufacturer/vendor has evidence to show that the accuracy of the sensor is not affected by battery life.

Liquid in Glass NIST Certified reference thermometers must be recertified by an ISO/IEC accredited calibration laboratory every 5 years. If the reference thermometer is NIST Traceable or is a digital NIST Certified thermometer, the reference thermometer must be recertified annually by an ISO/IEC 17025 accredited calibration laboratory or service provider that provides traceability to a national standard.

#### 5.6.3.2 Reference Materials

PAS purchases chemical reference materials (also known as stock standards) from vendors that are accredited to ISO 17034 or Guide 34. Purchased reference materials must be received with a Certificate of Analysis (COA) where available. If a reference material cannot be purchased with a COA, it must be verified by analysis and comparison to a certified reference material and/or there must be a demonstration of capability for characterization. COA are reviewed for adequacy and retained by the laboratory for future reference.

All prepared standards, reference materials, and reagents are verified to meet the requirements of the test method through routine analyses of quality control samples.

The laboratory procedure for traceability and use of these materials is provided in SOP ENV-SOP-ORB1-0107 *Standard Reagent Preparation & Traceability*.

This SOP must minimally include each of the following requirements:

- Procedures for receipt and tracking of reference and working standards to ensure the record includes material name, name of the material, lot number, receipt date, and manufacturer's expiration date.

- Storage conditions and the requirement that reference standards are stored separately from samples, extracts, and digestates.

- Requirements to assure that preparation of intermediate or working solutions are recorded and assigned a unique identification number for tracking. Records of preparation include the lot number of the stock standard(s) used, the type and lot number of the solvent, the formulation, date, new expiration date, and the preparer's initials. The lot number of working standards is recorded in the analytical record to provide traceability to the standard preparation record. The

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preparation record provides traceability to the COA, which is traceable to SI or the national measurement standard.

- A requirement that the expiration dates of prepared standards may not exceed the expiration date of the parent standard. Standards, reference materials, and reagents are not used after their expiration dates unless it is not possible to procure a new standard and the reliability of the expired material is verified and documented by the location using a procedure approved by corporate quality personnel. Otherwise, the expired material is promptly removed from the work area or clearly labeled as acceptable for qualitative/troubleshooting purposes only.

- The second source materials used for verification of instrument calibration are obtained from a different manufacturer or may be a different lot from the same manufacturer, when only one vendor or manufacturer provides the standard.

- Procedures to check reference materials for degradation and replacement of material if degradation or evaporation is suspected.

- Procedures for labeling. At a minimum, the container must identify the material, the ID of the material and the expiration date. Original containers should also be labeled with date opened.

#### 5.6.3.3 Intermediate Checks

Checks to confirm the acceptability of reference standards and materials is specified in test method SOPs and are appropriate for the purpose for which the standard is used. For example, a second source standard analyzed after an initial calibration may help the analyst identify if degradation of the standards used for calibration has occurred.

#### 5.6.3.4 Transport and Storage

PAS handles, transports and stores reference standards in a manner that protects the integrity of the materials. The integrity of the reference standard is protected by segregation from incompatible materials and/or minimizing exposure to degrading environments or materials. As previously stated, standards and reference materials are stored separately from samples, extracts, and digestates to prevent contamination. All standards are stored according to the manufacturer's recommended conditions. Temperatures colder than the manufacturer's recommendation are acceptable if it does not compromise the integrity of the material (e.g., remains in liquid state and does not freeze solid).

Specific requirements are provided in test method SOPs.

## 5.7 Sampling

Sampling refers to both the field collection of samples and to subsamples taken by the laboratory for analysis.

Subsampling procedures are included in each test method SOP or a stand-alone SOP to assure the aliquot used for testing is representative of the field collected sample.

The requirements in the following subsections apply when sampling is performed by PAS.

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#### 5.7.1 Sampling Plans and SOPs

When PAS performs field collection of samples, the sampling is conducted in accordance with a project sampling plan and sampling SOPs to ensure representative samples are collected.

#### 5.7.2 Customer Requested Deviations

When the customer requests deviations, additions, or exclusions from the project sampling plan and/or the SOP, the laboratory records the client's change request in detail with the sampling record, communicates the change to sampling personnel, and includes this information in the final test report.

#### 5.7.3 Recordkeeping

PAS assures the sampling record includes the sampling procedure used, any deviations from the procedure, the date and time of sampling, the identification of the sampler, environmental conditions (if relevant), and the sampling location.

### 5.8 Sample Management & Handling

#### 5.8.1 Procedures

The procedures for sample management and handling are outlined in SOP ENV-SOP-ORB1-0120 *Sample Management*. The procedures in the local SOP must meet the requirements specified in this quality manual to guarantee the integrity of the sample from receipt to disposal.

##### 5.8.1.1 Chain of Custody

All samples received by PAS must be accompanied with a Chain of Custody (COC). The COC is the legal record that documents the collection of samples and the transfer of samples to the laboratory. The COC provides PAS with information about the samples collected and tests requested.

The COC is completed by the sample collector and must minimally include the following information:

- Client name, address, phone number;
- Project Reference;
- Client Sample Identification (Client ID);
- Date, Time, and Location of Sampling;
- Sampler's Name or Initials;
- Matrix;
- Type of container, and total number collected;
- Preservative;
- Analyses Requested;
- Mode of collection;

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- Any special instructions; and
- The date and time and signature of sample transfer from collection to PAS. When samples are shipped to the laboratory by a 3rd party such as UPS or Fed EX, the COC is placed inside the sealed shipping container at time of collection and the container is not opened until it is received by PAS. Thus, the intermediate courier does not sign the COC. The shipping manifest and/or air bill is the record of possession of samples during transport to the laboratory. The shipping manifest and/or air bill is part of the COC record and must be retained and provided in the test report with the COC record, when required. (See Section 5.10.3).

A complete and legible COC is required. When the COC is incomplete, illegible, or cannot be understood, the client is contacted for resolution.

Hand entries on the COC must be made in indelible ink and errors corrected by drawing a single line through the original entry, so the original entry is not obscured and entering the correct information with the date the change was made and the initials of the person making the change.

#### 5.8.1.2 Legal Chain of Custody

Legal chain of custody (Legal COC) is an industry defined protocol that is sometimes used for evidentiary or legal purposes that establishes an intact, continuous record of the physical possession, storage, and disposal of samples, including sample aliquots and prepared samples.

The legal COC record accounts for all time periods associated with the samples and identifies all individuals who physically handled them from the point established by legal authority, which is usually at the time the sample containers are provided for sample collection or at the time of sample collection.

A sample is in someone's legal custody if:

- It is in one's physical possession;
- It is in one's view after being in one's physical possession;
- It has been in one's physical possession and then locked or sealed so that no one can tamper with it; and/or
- It is kept in a secure area, restricted to authorized personnel only.

Legal COC is not a common request, but if it is requested and the laboratory agrees to the project specification; the laboratory must maintain a procedure or process to guarantee all aspects of the protocol are met.

### 5.8.2 Unique Identification

Each sample received by PAS is assigned a unique identification number (Lab ID) after the sample has been accepted by PAS in accordance with the PAS sample acceptance policy (See 5.8.3). The Lab ID is affixed to the sample container using a durable label.

The lab ID is linked to the field ID (client ID) in the sample receipt and log-in record so that both IDs are traceable to testing activities performed.

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### 5.8.3 Sample Receipt Checks and Sample Acceptance Policy

The condition and integrity of samples is checked on receipt and the samples received are verified to match the COC. Any problem with the samples or discrepancy between the COC is recorded. If the problem impacts the suitability of the sample for analysis or if the CoC is incomplete, the client is notified for resolution and decisions and instructions from the client regarding the samples are maintained in the project record.

#### 5.8.3.1 Sample Receipt Checks

The following checks are performed:

- The COC is complete and legible;
- Sample container labels include the client sample ID, the date and time of collection, and the preservative used;
- The container type and preservative are appropriate for the test requested;
- The required volume is received for each test requested;
- There is no evidence of damage or tampering;
- There is no headspace in VOA vials greater than 5-6 mm (the size of a pea);
- Thermal Preservation, when required. When thermal preservation is required, temperature on receipt is typically considered acceptable if the temperature is within 0-6°C and the samples are not frozen solid unless otherwise specified by federal, statutory, program or test method. If samples are received on the same day of collection, there must be evidence that the chilling process has begun, such as arrival of the samples on ice.
- Chemical Preservation, as required.
- Holding Time. When the holding time for the test method is longer than 15 minutes from time of collection and samples are received out of hold, the client is notified of the situation so they can make a decision to proceed or cancel analysis. Tests with a holding time of 15 minutes or less from time of collection are those where the method specifies the holding time as "immediate" are excluded from the notification requirement because the customer is aware that the holding time cannot be met unless the test is performed in the field (in situ).

#### 5.8.3.2 Sample Acceptance Policy

PAS maintains a sample acceptance policy to clearly establish the circumstances in which samples are accepted.

When these conditions are not met, the exception must be documented, and the client notified. Decisions to accept or reject the samples are documented and when required, test results are qualified in the test report.

Criteria for Sample Acceptance:

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- All samples received must be listed on the COC and information provided must include the client ID of the sample, date and time of collection, collector's name, preservation type and type of sample;
- The sample containers must be properly labeled to uniquely identify the sample; and the label must be both durable and legible;
- The sample container must be appropriate for the tests requested;
- Samples must be received within holding time. Exceptions are made for samples where the test method specifies a holding time of "immediate or immediately" – which is translated to within 15 minutes from sample collection. For these test methods, samples are always received out of hold and/or there is no expectation that the laboratory perform the test within the 15-minute holding time.
- Sufficient sample volume must be provided to perform the test method per the laboratory's SOP. If the test is performed for regulatory compliance and the method requested is mandated; the volume provided must be adequate for the laboratory to perform the test per the test method without modification.
- Be received within appropriate temperature ranges unless program requirements or customer contractual obligations mandate otherwise.
- Be free of evidence of tampering or signs of contamination; and
- Meet applicable requirements for thermal and chemical preservation.

Additional conditions may also apply depending on the services offered. For example, some PAS locations will not accept samples known to be radioactive.

### 5.8.4 Sample Control and Tracking

Samples received by PAS are tracked using the laboratory's Laboratory Information Management System (LIMS).

After the sample receipt process is complete, samples are logged into the LIMS and a Lab ID is assigned and affixed to each container with a durable label. The Lab ID is used to track the samples through the testing process through test report generation and sample disposal.

Minimally, the following information is included in the log-in for each sample:

- Client Name and Contact Information;
- The laboratory ID linked to the client ID;
- Date and time of sample collection;
- Date and time of sample receipt;
- Matrix; and
- Tests Requested.

After log-in is complete, the log-in record must be independently reviewed by the PAS Project Manager (PM) responsible for the work order to verify the log-in is complete and correct per

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the testing agreement with the customer and the chain-of-custody so that any log-in errors or questions about the samples received are corrected and resolved before work begins.

Documentation of the log-in record, called a Sample Acknowledgement Form (SRF) is provided to customers per their request. The SRF provides information necessary for the customer to verify that there are no errors with the information provided to PAS with the sample shipment.

As previously stated in this manual, the customer must be notified of any problems or discrepancies between the information expected and information received and/or nonconformances observed during the sample receipt and log-in process. Authorization to proceed with testing and/or instructions to correct the problem must be retained for historical recordkeeping purposes. How the notification requirement is achieved must be included in a laboratory SOP.

### 5.8.5 Sample Storage, Handling, and Disposal

#### 5.8.5.1 Sample Storage

The samples are stored according to the specification in the test method and any appliable program and regulatory requirements. Samples are stored separately from standards, reagents, or other potential sources of contamination and in a manner that prevents cross contamination. All sample fractions, extracts, leachates, and other sample preparation products are stored in the same manner as actual samples or as specified by the analytical method.

Refrigerated storage areas are maintained at 4°C ±2 (but not frozen) and freezer storage areas are maintained at <-10°C, unless otherwise required per method or regulatory program. The temperature of each storage area is checked and documented at least once for each day of use. If the temperature falls outside the acceptable limits, corrective actions are taken and documented.

Samples are placed in the storage location immediately after sample receipt and log-in procedures are completed. All sample storage areas have limited access. Samples are removed from storage areas by designated personnel and returned to the storage areas as soon as possible after the required sample quantity has been taken.

#### 5.8.5.2 Sample Retention and Disposal

The procedures used by the location for sample retention and disposal are detailed in SOP ENV-SOP-ORB1-0120 *Sample Management* and ENV-SOP-ORB1-0131 *Waste Handling and Management*.

In general, PAS retains unused sample volume and prepared samples such as extracts, digestates, distillates and leachates (samples) per Pace® Terms & Conditions.

After analysis, samples may be stored at ambient temperature until time of sample disposal, unless otherwise specified by regulation or agreed upon contract specifications.

After the retention time has expired non-hazardous samples are properly disposed. Hazardous samples are returned to the customer, unless other arrangements for disposal have been made with the laboratory.

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## 5.9 Assuring the Quality of Test Results

### 5.9.1 Quality Control (QC) Procedures

PAS monitors the validity and reliability of test results using quality control (QC) samples that are prepared and analyzed concurrently with and in the same manner as field samples. QC results are always associated to and reported with the field samples they were prepared and analyzed with.

When the results are not within acceptance criteria correction and corrective action(s) are taken. These actions may include retesting or qualification of test results and/or disclosure of the situation in the test report to alert the data user of the situation.

Other control measures to maintain quality of test results include the use of certified reference materials (see 5.6.3), participation in interlaboratory proficiency testing (see 5.9.1.2), verification that formulae used for reduction of data and calculation of results is accurate (see 5.9.3), on-going monitoring of environmental conditions that could impact test results (see 5.3.2), and evaluation and verification of method selectivity and sensitivity (see 5.4.5).

QC results are also used for trend analysis and to establish acceptance criteria when no method or regulatory criteria exist. (See 5.9.1.1.9).

#### 5.9.1.1 Essential QC

QC protocol is technology and test method specific and is specified in test method SOPs. The SOP includes the type of QC required, frequency for analysis, acceptance criteria, recommended corrective actions, and procedures for reporting test results associated with QC exceptions.

PAS ensures the QC requirements in the SOP conform to the reference method and applicable regulations for which results of the test are used and to any program requirements for the process required by the certification/accreditation program required for testing.

- When a project requires more stringent QC protocol than specified in PAS policy or the test method SOP, the project specification is followed.
- When the project requires less stringent QC protocol than PAS policy or the SOP, the project specification may be followed as an authorized departure if the project specification still meet the requirements in the test method and any applicable regulatory and certification/accreditation requirements.

The following sections describe essential QC for chemistry. These QC types may not apply to other technologies and disciplines such as microbiology, radiochemistry, whole effluent toxicity, and/or asbestos. For essential QC for these test offerings, refer to test method SOPs.

##### 5.9.1.1.1 Calibration Verification (Second Source)

A second source standard is a standard from a different vendor or from a different lot than the standards used for initial calibration. A different lot from the same vendor is permissible, when the standard is only available from a single vendor.

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It is a positive control used to verify the accuracy of instrument calibration relative to the purity of the standards used for calibration. This check may be referred to in published test methods and quality system standards as the initial calibration verification (ICV) or a quality control sample (QCS). For most test methods, it is analyzed immediately after the calibration and before analysis of any samples. When the ICV is not within acceptance criteria, a problem with the purity or preparation of the standards may be indicated. The source of the problem should be investigated and corrected prior to use of the calibration/instrument for sample analysis.

#### 5.9.1.1.2 Calibration Verification (CCV)

The CCV is used to determine if the analytical response has significantly changed since calibration. The CCV is usually made from the same standards used for initial calibration, but a second source standard may be used.

When the response of the CCV is within criteria, the calibration is considered valid. If not, there may be a problem that requires further investigation and correction. The actions taken are technology and method specific.

It is sometimes acceptable to report test results associated with a CCV that does not meet criteria.

For example, when a CCV exceeds criteria above the limit; high bias is suspected in the measurement system. If the analyte is not detected in the sample; then the high bias has no impact on the validity of the test result. If the analyte is detected in sample, then corrective action to bring the CCV within criteria is expected to eliminate the possibility that the detection is biased.

#### 5.9.1.1.3 Blanks

Blanks are negative controls used to assess for contamination.

The method blank (MB) is a clean matrix similar to the associated samples that is known to be free of analytes of interest. The MB, unless otherwise specified by the test method, is processed with, and carried through all preparation and analytical steps as the associated samples.

The criteria used to assess for contamination depends on the intended use of data. In general, detections in the MB above the RL or ½ the RL indicate contamination. When contamination is indicated, the source is investigated, and corrections are taken to reduce or eliminate it. Analytical results associated with MB that do not meet criteria are qualified in the final test report.

Other types of blanks that serve as negative controls in the process may include:

- Trip Blanks (VOA)

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- Storage Blanks
- Equipment Blanks
- Field Blanks
- Calibration Blanks
- Cleanup Blanks
- Instrument Blanks

#### 5.9.1.1.4 Laboratory Control Sample (LCS)

The LCS is a positive control used to measure the accuracy. The LCS is a blank matrix spiked with standard solution that includes target analytes or it may be a pre-made certified reference standard. Like the MB, unless otherwise specified in the test method, the LCS is processed with and carried through all preparation and analytical steps as the associated samples.

When the percent recovery (%R) of the LCS is within the established control limit, the test is within control. If not, the cause of the problem is investigated and corrected, and the procedure may be repeated. Analytical results associated with LCS that does not meet criteria are qualified in the final test report.

#### 5.9.1.1.5 Matrix Spike (MS) and Matrix Spike Duplicate (MSD)

The MS and MSD are replicates of a client sample that is spiked with known amount of target analyte. When there is not a client-designated matrix spike on any sample in the batch, the MS/MSD may be performed on a randomly selected sample and these MS/MSD are called "batch" MS/MSD.

MS/MSD results provide information about the effects the sample matrix has on recovery and reproducibility of target analytes on site samples. MS/MSD results are not used to control performance of the preparation or analytical batch because the way in which the matrix impacts efficiency and robustness of the test cannot be mitigated or controlled by the laboratory.

The heterogeneity of the sample submatrix influences accuracy and precision. For example, MS/MSD results for a sample that is mostly sand will not be the same for a sediment sample even though both matrices are "soil" and both samples subjected to the same test procedure in the same batch. For this reason, batch MS/MSD results may not be representative of the effect the matrix has on accuracy and precision on test results for all samples in the batch – except when all samples in the batch are from the same collection site and are identical in composition.

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#### 5.9.1.1.6 Sample Duplicate (SD)

A sample duplicate is a second replicate of sample taken through the testing process used to measure precision and/or homogeneity of samples collected.

The relative percent difference (RPD) between replicates are evaluated against the established acceptance criteria and if the RPD is not met, associated test results are reported with qualification.

#### 5.9.1.1.7 Surrogates

Surrogates are compounds not normally found in the environment but that have similar physical and chemical properties of target analytes that are added to environmental samples, QC, and calibration standards prior to preparation and analysis. They are used to evaluate extraction efficiency and matrix interference on a sample specific basis.

The percent recovery of surrogates is evaluated against method-specified limits or statistically derived in-house limits. Project-specific limits and/or program-specific limits are used when required. Results with surrogate recovery out of limits in samples are reported with qualification. Samples with surrogate failures can also be re-extracted and/or re-analyzed to confirm that the out-of-control value was caused by the matrix of the sample and not by some other systematic error.

#### 5.9.1.1.8 Internal Standards

Internal Standards are compounds not expected to occur naturally in field samples. They are added to every standard and sample at a known concentration prior to analysis for the purpose of adjusting the response factor used in quantifying target analytes. The location follows specific guidelines for the treatment of internal standard recoveries and further information can be found in the applicable test method SOP.

#### 5.9.1.1.9 QC Acceptance Criteria and Control Limits

QC acceptance criteria are specified in test method SOPs. The criteria in the SOP are based on the requirements in the published test method or regulatory program. When there are no established acceptance criteria, the location develops acceptance criteria in accordance with recognized industry standards.

Some methods and programs require the laboratory to establish control limits for LCS, MS/MSD, and surrogate evaluation using historical data. PAS developed limits are referred to as "in-house" control limits. In-house control limits represent ± 3 Standard Deviations (99% confidence level) from the average recovery of at least 20 data points generated using the same preparation and analytical procedure in a similar matrix.

See SOP ENV-SOP-ORB1-0116 *Control Chart Generation* for more information about the procedures used to establish in-house control limits.

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#### 5.9.1.2 Proficiency Testing (PT)

PAS participates in interlaboratory proficiency testing (PT) studies to measure our performance of the test method.

PT participation is based on the certification and accreditation requirements held by the laboratory. The PT samples are obtained from accredited proficiency testing providers (PTP) and treated as field samples which means they are incorporated into our normal analytical processes and do not receive extraordinary attention due to their nature.

PAS locations do not share PT samples with other PAS locations, does not communicate with other PAS locations regarding current PT sample results during the duration of the study, and does not attempt to obtain the assigned value of any PT sample from the PT provider.

PT results scored unacceptable are investigated and correction action taken, when necessary.

Refer to corporate policy ENV-POL-CORQ-0002, *PT Policy* for more information.

### 5.9.2 QC Corrective Action

When the results of QC are not within acceptance criteria or expectations for method performance, correction and corrective action(s) are taken per the specifications in the test method SOP. These actions may include retesting or reporting of data with qualification to alert the end user of the situation.

### 5.9.3 Data Review

PAS uses a tiered system for data review. The tiered process includes as series of sequential checks to verify data transfer is complete; manual calculations, if performed, are correct, manual integrations are appropriate and documented, calibration and QC requirements are met, appropriate corrective action was taken when required, test results are properly qualified, process and test method SOPs were followed, project specific requirements were met, when applicable, and the test report is complete.

The sequential process includes three tiers referred to as primary review, secondary review, and administrative/completeness review.

Detailed procedures for the data review process are described in SOP ENV-SOP-ORB1-0119 *Data Review Process*. General expectations for the tiered data review process are specified in the following sections:

#### 5.9.3.1 Primary Review

Primary review is performed by the individual that performed the task. All PAS personnel are responsible for the review of their own work to assure it is complete, accurate, documented, and consistent with PAS policy and SOPs.

Checks performed during primary review include but are not limited to:

- Verification that data transfer and acquisition is complete;
- Manual calculations, if performed, are documented and accurate;

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- Manual integrations, if performed, are documented, and comply with SOP ENV-SOP-CORQ-006 *Manual Integration;*
- Calibration and QC criteria were met, instrument calibration conforms with policy ENV-POL-CORQ-005 *Acceptable Calibration Practices*, and/or proper correction and corrective actions were taken, and data and test results associated with QC and criteria exceptions are properly qualified;
- Work is consistent with SOPs and any other relevant instructional document such as SWI, program requirements, or project quality assurance plans (QAPP).

#### 5.9.3.2 Secondary Review

Secondary review is an independent review of the data set performed by a qualified peer or supervisor. Secondary review includes a repeat of the checks performed during primary review in addition to chromatography review to verify the accuracy of quantitative analyte identification.

#### 5.9.3.3 Completeness Review

Completeness review is an administrative review that is performed prior to release of the test report to the customer to verify the final test report is complete and meets project specifications. This review also assures that information necessary for the client's interpretation of results are explained in the case narrative or footnoted in the test report.

#### 5.9.3.4 Data Audits

Test reports are randomly audited by local quality personnel to verify compliance with SOPs and to check for data integrity, technical accuracy, and compliance with the PAS QMS and any applicable federal, statutory, and program requirements. These audits are not part of the tertiary data review process that is performed prior to release of the test report. These audits are performed on test reports that have been previously released to the customer to avoid potential risks to impartiality and other factors that may influence thoroughness of review.

If any problems with the data or test results are found during the data audit, the impact of the nonconforming work is evaluated using the process described in Section 4.9.

Also see Section 4.14 for internal audits.

### 5.9.4 Calibration Certificates

PAS does not perform calibration activities for its customers and calibration certificates are not offered or issued.

### 5.9.5 Opinions and Interpretations

PAS provides objective data and information to its customers of sufficient detail for their interpretation and decision making. Objective data and information are based solely on fact and PAS does not attempt to explain the meaning (interpret) or offer a view or judgement (opinion) on usability of data.

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PAS personnel are not permitted to provide opinion on how a nonconformance impacts the usability of results or how test results and information should be used, or suggestions or guidance to the customer for improvement..

#### 5.9.6 Subcontractor Reports

When analytical work is subcontracted to an organization external to PAS or its subsidiaries, PAS includes the test report from the subcontractor in its entirety as an amendment to the final test report.

Test results performed by multiple locations within the PAS network (internal subcontracting) may be merged into a single test report so long as the test report issued clearly identifies the location and address of each network location that performed testing, and which tests each PAS location performed. (See 5.10.2)

#### 5.9.7 Electronic Transmission of Results

When test results and/or reports are submitted to the customer through electronic transmission, the procedures established in this manual for confidentiality and protection of data apply.

#### 5.9.8 Format of Test Reports

The test formats offered by PAS are designed to accommodate each type of analytical test method performed and to minimize the possibility of misunderstanding or misuse of analytical results. The format of electronic data deliverables (EDD) follows the specifications for the EDD.

#### 5.9.9 Amendments to Test Reports

Test reports that are revised or amended by the location after date of release of the original final test report to the customer are issued as a new test report that is clearly identified as an amendment or revision and that includes a reference to the originally issued final test report.

The customer is the organization doing business with PAS external to PAS.

Changes made to test results and data before the final test report is issued to the customer are not amendments or revisions and do not need to be tracked or marked as such, these changes are simply corrections to errors found during data review.

The procedure for report amendments and revision are outlined in SOP ENV-SOP-ORB1-0130 *Final Report and Data Deliverable Contents*.

### 5.10 Reporting

#### 5.10.1 General Requirements

PAS offers a wide variety of test report formats to meet project needs of Pace® customers and federal and state regulatory program requirements

The type and level of deliverable, including the electronic data deliverable (EDD) format are established between PAS and the customer during the contracting process. The report specifications include the test report format, protocol for the reporting limit (RL), conventions for the reporting of results less than the limit of quantitation (LOQ), and specification for the

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use of project or program specific data qualifiers. Information about review of analytical service requests is provided in Section 4.4.

### 5.10.2 Test Reports: Required Items

Regardless of deliverable or report requested, every test report issued by PAS and its subsidiaries includes each of the following items:

a) A Title;

b) The name and address of the location issuing the test report and for each location where testing was performed if different than address of the location issuing the report. When testing is done at multiple PAS locations, the report must also clearly identify which PAS location performed each test method;

c) Unique identification of the test report and on each page an identification number to link each page to the test report, and clear identification of the end of the report;

d) The name and address of the customer;

e) Identification of test methods used. When testing is done at multiple PAS locations, the report must also clearly identify which PAS location performed each test method;

f) Cross reference between client sample identification number (Sample ID) and the identification number for the sample (Lab ID) to provide unambiguous identification of samples;

g) The date of receipt of samples, condition of samples on receipt, and identification of any instance where receipt of the samples did not meet sample acceptance criteria;

h) Date and times of sample collection, receipt, preparation, and analysis;

i) Test results and units of measurement, and qualification of results associated with QC criteria exceptions, and identification of reported results outside of the calibration range;

j) All chains of custody (COC) including records of internal transfer between locations within PAS;

k) Name, title, signature of the person(s) authorizing release of the test report and date of release;

l) A statement that the results in the test report relate only to the items tested; and

m) Statement that the test report may not be reproduced except in full without written approval from PAS.

### 5.10.3 Test Reports: Supplemental Items

#### 5.10.3.1 Supplemental Requirements

The following items are included in the test report when required or relevant:

a) Shipping manifests/bill of ladings as applicable when common couriers are utilized for shipment of samples,

b) Explanation of departure from test method SOPs including, what the departure was and why it was necessary.

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c) Statistical methods used. (Required for Whole Effluent Toxicity)

d) For solid samples, specification that results are reported on a dry weight or wet weight basis.

e) Signed Affidavit, when required by client or regulatory agency.

f) A statement of compliance/non-compliance with requirements or specifications (client, program, or standard) that includes identification of test results that did not meet acceptance criteria.

g) When requested by the client, statement of estimated measurement uncertainty. In general, for environmental testing, estimated uncertainty of measurement is extrapolated from LCS control limits. Control limits incorporate the expected variation of the data derived from the laboratory's procedure. When the control limits are specified by the test method or regulatory program, the control limits represent the expected variation of the test method and/or matrices for which the test method was designed.

h) If a claim of accreditation/certification is included in the test report, identification of any test methods or analytes for which accreditation/certification is not held by the location if the accrediting body offers accreditation/certification for the test method/analyte. The fields of accreditation/certification vary between agencies, and it cannot be presumed that because accreditation/certification is not held that it is offered or required.

i) Certification Information, including certificate number and issuing body.

For PAS locations accredited to ISO/IEC 17025:2017:

- Data included in the test report provided by a customer should be clearly identified.
- A statement that the test results apply only to the samples as received.

PAS does not provide opinion or interpretations about usability of data or test results in order to maintain impartiality with the testing services provided.

**5.10.3.2 Test Reports: Sampling Information**

The following items are included in the test report when samples are collected by PAS or when this information is necessary for the interpretation of test results:

a) Date of Sampling.

b) Unambiguous identification of material samples.

c) Location of sampling including diagrams, sketches, or photographs.

d) Reference to the sampling plan and procedures used.

e) Details of environmental conditions at time of sample that may impact test results.

f) Any standard or other specification for the sampling method or procedure, and deviations, additions to or exclusions from the specification concerned.

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# 6.0 REVISION HISTORY

This Version (Version 6):

| SECTION | DESCRIPTION OF CHANGE |
|---|---|
| Management Approval Page | Created a new cover page for management approval date / time stamps to allow room for signatories. This information was previously on the Title Page. |
| Header | Updated Copyright |
| Title Page | Simplified options for laboratory name based on legal entity. |
| Approval Page | Revised language for clarity, added spot for TNI accredited laboratories to list the AB approved "TNI Technical Manager, however named" – this description is not a job title, it refers to the individual designated by the laboratory and approved by the AB to provide technical oversight for a specific discipline. |
| All Sections | Updated format where needed. |
| 4.1.5.1.1 | Updated deputies for key personnel. |
| 4.4 | Added TNI requirement to notify customers when PAS is proposing or has made a deviation to a contract previously approved by both parties. |
| 4.8 | Added reference to the PAS Corporate SOP for Client Complaints |
| 4.9.1.3 | Added "Temporary" to "Stop Work Order" to clarify that a stop work is temporary and distinct from permanent discontinuation of a testing service, which is called a reduction in capabilities. Updated content to clearly identify the roles authorized to lift the stop work order. |
| 4.13.15 | Deleted the reference to an obsolete policy and inserted a reference to the technical guide that replaced the policy. |
| 4.13.2.3 | Replaced last paragraph with a reference to another section to eliminate redundancy. |
| 4.14 | Rewrote entire section to refine language; no change in requirements made. |
| 4.16 | Added reference to PAS Corporate SOP for Data Impact Assessments |
| 5.2.1 | Updated definition for competency. Added roles authorized to provide opinion or consult on usability of test results. |
| 5.2.2 | Rewrote entire section to refine language; no change in requirements made. |
| 5.4 | Rewrote entire section to refine language; no change in requirements made. |
| 5.5 | Rewrote entire section to refine language; no change in requirements made. |
| 5.6 | Rewrote entire section to refine language; no change in requirements made. |
| 5.8 | Rewrote entire section to refine language; no change in requirements made. |
| 5.8.1.1 -1.2 | Clarified that a CoC is a legal record for sample collection and "legal COC" is an industry-defined protocol for tracking possession of samples. |
| 5.9 | Rewrote section and re-organized content to be more concise. |
| Glossary | Updated Definition List and Definitions |
| Section 8.0 | Added Suggested Addendum for AIHA and NVLAP |

This document supersedes the following documents:

| Document Number | Title | Version |
|---|---|---|
| ENV-TMP-CORQ-0007 | Quality Manual Template | 02 |
| ENV-MAN-ORB1-0001 | Quality Manual | 05 |
| | | |

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# 7.0 APPENDICES

## 7.1 Appendix A: Certification / Accreditation Listing

**Disclaimer:** The certifications / accreditation lists provided in this Appendix are those that were held by the PAS location on the effective date of this manual. This information is subject to change without notice and must not be considered valid proof of certification or accreditation status. This manual is not updated with each change made. Current certificates are accessible via the eDMS Portal for PAS employees. External parties should contact the location for the most current information.

### 7.1.1 PAS-Ormond each

| Authority | ID | Authority | ID |
|---|---|---|---|
| Alabama DEM | 41320 | U.S. Virgin Islands DPNR | FL01264 |
| Alaska DEC | 19-001 | Virginia DCLS | 460165 |
| Colorado DPHE | FL01264 | West Virginia DHHR | 9962C |
| Connecticut DPH | PH0216 | Wisconsin DNR | 399079670 |
| Delaware HSS | FL01264 | EPA – UCMR5 | FL01264 |
| Florida DOH | E83079 | DoD | ADE-3199 |
| Georgia DNR | 955 | | |
| Guam EPA | 15-008r | | |
| Hawaii DOH | FL01264 | | |
| Illinois EPA | 200068 | | |
| Indiana DOH | FL01264 | | |
| Kansas DHE | E-10383 | | |
| Kentucky EEC | KY90050 | | |
| Louisiana DHOPH | LA013 | | |
| Louisiana DEQ | 169038 | | |
| Maine DEP | M-FL01264 | | |
| Massachusetts DEP | FL01264 | | |
| Maryland DOE | 346 | | |
| Michigan DEGLE | 9911 | | |
| Mississippi DOH | FL01264 | | |
| Missouri DNR | 236 | | |
| Montana DPHHS | 0074 | | |
| Nebraska DHHS | NE-OS-28-14 | | |
| New Hampshire ELAP | 2958 | | |
| New Jersey DEP | FL022 | | |
| New York DOH | 11608 | | |
| North Carolina DHHS | 12710 | | |
| North Carolina DWR | 667 | | |
| North Dakota DEQ | R-216 | | |
| Ohio EPA | 87780 | | |
| Oklahoma DEQ | D9947 | | |
| Pennsylvania DEP | 68-00547 | | |
| Puerto Rico DOH | FL01264 | | |
| South Carolina DHEC | 96042001 | | |
| Tennessee DWR | 02974 | | |
| Texas CEQ | TX246 | | |

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contact the location for the most current information.

### 7.1.2 PAS-Oldsmar

| Authority | ID |
|---|---|
| FL-DOH | E84129 |

contact the location for the most current information.

### 7.1.3 PAS-Pompano Beach

| Authority | ID |
|---|---|
| FL-DOH | E86240 |

contact the location for the most current information.

## 7.2 Appendix B: Capability Listing

The capabilities listed in this Appendix were held by the location referenced on the effective date of this manual. This information is subject to change without notice. External parties should contact the location for the most current information.

Table Legend:

- Air = Air
- DW = Drinking Water
- NPW = Non-Potable Water
- SCM = Solid and Chemical Materials
- Waste = Non-Aqueous Phase Liquid (NAPL), Oil
- Tissue = Biota and Tissue

### 7.2.1 PAS-Ormond Beach

| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| 1,1,1,2-Tetrachloroethane | EPA 524.2 | | X | | |
| 1,1,1,2-Tetrachloroethane | EPA 8260 | | | X | X |
| 1,1,1-Trichloroethane | EPA 524.2 | | X | | |
| 1,1,1-Trichloroethane | EPA 624.1 | | | X | |
| 1,1,1-Trichloroethane | EPA 8260 | | | X | X |
| 1,1,2,2-Tetrachloroethane | EPA 524.2 | | X | | |
| 1,1,2,2-Tetrachloroethane | EPA 624.1 | | | X | |
| 1,1,2,2-Tetrachloroethane | EPA 8260 | | | X | X |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | EPA 8260 | | | X | X |
| 1,1,2-Trichloroethane | EPA 524.2 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| 1,1,2-Trichloroethane | EPA 624.1 | | | X | |
| 1,1,2-Trichloroethane | EPA 8260 | | | X | X |
| 1,1-Dichloroethane | EPA 524.2 | | X | | |
| 1,1-Dichloroethane | EPA 624.1 | | | X | |
| 1,1-Dichloroethane | EPA 8260 | | | X | X |
| 1,1-Dichloroethylene | EPA 524.2 | | X | | |
| 1,1-Dichloroethylene | EPA 624.1 | | | X | |
| 1,1-Dichloroethylene | EPA 8260 | | | X | X |
| 1,1-Dichloropropene | EPA 524.2 | | X | | |
| 1,1-Dichloropropene | EPA 8260 | | | X | X |
| 1,2,3-Trichlorobenzene | EPA 524.2 | | X | | |
| 1,2,3-Trichlorobenzene | EPA 8260 | | | X | X |
| 1,2,3-Trichloropropane | EPA 524.2 | | X | | |
| 1,2,3-Trichloropropane | EPA 8260 | | | X | X |
| 1,2,3-Trimethylbenzene | EPA 8260 | | | X | X |
| 1,2,4-Trichlorobenzene | EPA 524.2 | | X | | |
| 1,2,4-Trichlorobenzene | EPA 8260 | | | X | X |
| 1,2,4-Trichlorobenzene | EPA 8270 | | | X | X |
| 1,2,4-Trimethylbenzene | EPA 524.2 | | X | | |
| 1,2,4-Trimethylbenzene | EPA 8260 | | | X | X |
| 1,2-Dibromo-3-chloropropane (DBCP) | EPA 504.1 | | X | X | |
| 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8011 | | | X | |
| 1,2-Dibromo-3-chloropropane (DBCP) | EPA 8260 | | | X | X |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 504.1 | | X | X | |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8011 | | | X | |
| 1,2-Dibromoethane (EDB, Ethylene dibromide) | EPA 8260 | | | X | X |
| 1,2-Dichlorobenzene | EPA 524.2 | | X | | |
| 1,2-Dichlorobenzene | EPA 624.1 | | | X | |
| 1,2-Dichlorobenzene | EPA 8260 | | | X | X |
| 1,2-Dichlorobenzene | EPA 8270 | | | X | X |
| 1,2-Dichloroethane | EPA 524.2 | | X | | |
| 1,2-Dichloroethane | EPA 624.1 | | | X | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| 1,2-Dichloroethane | EPA 8260 | | | X | X |
| 1,2-Dichloropropane | EPA 524.2 | | X | | |
| 1,2-Dichloropropane | EPA 624.1 | | | X | |
| 1,2-Dichloropropane | EPA 8260 | | | X | X |
| 1,2-Dinitrobenzene | EPA 8270 | | | X | |
| 1,2-Diphenylhydrazine | EPA 8270 | | | X | X |
| 1,3,5-Trimethylbenzene | EPA 524.2 | | X | | |
| 1,3,5-Trimethylbenzene | EPA 8260 | | | X | X |
| 1,3-Dichlorobenzene | EPA 524.2 | | X | | |
| 1,3-Dichlorobenzene | EPA 624.1 | | | X | |
| 1,3-Dichlorobenzene | EPA 8260 | | | X | X |
| 1,3-Dichlorobenzene | EPA 8270 | | | X | X |
| 1,3-Dichloropropane | EPA 524.2 | | X | | |
| 1,3-Dichloropropane | EPA 8260 | | | X | X |
| 1,3-Dinitrobenzene (1,3-DNB) | EPA 8270 | | | X | |
| 1,4-Dichlorobenzene | EPA 524.2 | | X | | |
| 1,4-Dichlorobenzene | EPA 624.1 | | | X | |
| 1,4-Dichlorobenzene | EPA 8260 | | | X | X |
| 1,4-Dichlorobenzene | EPA 8270 | | | X | X |
| 1,4-Dioxane (1,4-Diethyleneoxide) | EPA 522 | | X | X | |
| 11-Chloroeicosafluoro-3-oxaundecane- 1-sulfonic Acid (11-ClPF3OUdS) | EPA 533 | | X | | |
| 11-Chloroeicosafluoro-3-oxaundecane- 1-sulfonic Acid (11-ClPF3OUdS) | EPA 537.1 | | X | | |
| 11-Chloroeicosafluoro-3-oxaundecane- 1-sulfonic Acid (11-ClPF3OUdS) | PACE SOP ENV-SOP- ORB1-0080 | | | X | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2 Fluorotelomersulfonate, 8:2 FTS) | EPA 533 | | X | | |
| 1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 Fluorotelomersulfonate, 4:2 FTS) | EPA 533 | | X | | |
| 1H,1H,2H,2H-Perfluoro-octanesulfonic Acid (6:2 Fluorotelomersulfonate, 6:2 FTS) | EPA 533 | | X | | |
| 1-Methylnaphthalene | EPA 8270 | | | X | X |
| 2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid | EPA 537.1 | | X | | |
| 2-(N-Ethyl-perfluorooctane sulfonamido) acetic acid | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| 2-(N-Methyl-perfluorooctane sulfonamido) acetic acid | EPA 537.1 | | X | | |
| 2-(N-Methyl-perfluorooctane sulfonamido) acetic acid | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| 2,2 -Oxybis(1-chloropropane),bis(2- Chloro-1-methylethyl)ether (fka bis(2- Chloroisopropyl) ether | EPA 8270 | | | | |
| 2,2-Dichloropropane | EPA 524.2 | | X | | |
| 2,2-Dichloropropane | EPA 8260 | | | X | X |
| 2,3,4,6-Tetrachlorophenol | EPA 8270 | | | X | X |
| 2,4,5-T | EPA 515.3 | | X | | |
| 2,4,5-Trichlorophenol | EPA 8270 | | | X | X |
| 2,4,6-Trichlorophenol | EPA 8270 | | | X | X |
| 2,4-D | EPA 515.3 | | X | | |
| 2,4-DB | EPA 515.3 | | X | | |
| 2,4-Dichlorophenol | EPA 8270 | | | X | X |
| 2,4-Dimethylphenol | EPA 8270 | | | X | X |
| 2,4-Dinitrophenol | EPA 8270 | | | X | X |
| 2,4-Dinitrotoluene (2,4-DNT) | EPA 8270 | | | X | X |
| 2,6-Dinitrotoluene (2,6-DNT) | EPA 8270 | | | X | X |
| 2-Butanone (Methyl ethyl ketone, MEK) | EPA 8260 | | | X | X |
| 2-Chloroethyl vinyl ether | EPA 624.1 | | | X | |
| 2-Chloroethyl vinyl ether | EPA 8260 | | | X | X |
| 2-Chloronaphthalene | EPA 8270 | | | X | X |
| 2-Chlorophenol | EPA 8270 | | | X | X |
| 2-Chlorotoluene | EPA 524.2 | | X | | |
| 2-Chlorotoluene | EPA 8260 | | | X | X |
| 2-Hexanone | EPA 8260 | | | X | X |
| 2-Methyl-4,6-dinitrophenol | EPA 8270 | | | X | X |
| 2-Methylnaphthalene | EPA 8270 | | | X | X |
| 2-Methylphenol (o-Cresol) | EPA 8270 | | | X | X |
| 2-Nitroaniline | EPA 8270 | | | X | X |
| 2-Nitrophenol | EPA 8270 | | | X | X |
| 3,3 -Dichlorobenzidine | EPA 8270 | | | X | X |
| 3/4-Methylphenols (m/p-Cresols) | EPA 8270 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| 3-Hydroxycarbofuran | EPA 531.2 | | X | | |
| 3-Nitroaniline | EPA 8270 | | | X | X |
| 4,4 -DDD | EPA 608.3 | | | X | |
| 4,4 -DDD | EPA 8081 | | | X | X |
| 4,4 -DDE | EPA 608.3 | | | X | |
| 4,4 -DDE | EPA 8081 | | | X | X |
| 4,4 -DDT | EPA 608.3 | | | X | |
| 4,4 -DDT | EPA 8081 | | | X | X |
| 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 533 | | X | | |
| 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | EPA 537.1 | | X | | |
| 4,8-Dioxa-3H-perfluorononanoic Acid (ADONA) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| 4-Bromophenyl phenyl ether | EPA 8270 | | | X | X |
| 4-Chloro-3-methylphenol | EPA 8270 | | | X | X |
| 4-Chloroaniline | EPA 8270 | | | X | X |
| 4-Chlorophenyl phenylether | EPA 8270 | | | X | X |
| 4-Chlorotoluene | EPA 524.2 | | X | | |
| 4-Chlorotoluene | EPA 8260 | | | X | X |
| 4-Methyl-2-pentanone (MIBK) | EPA 8260 | | | X | X |
| 4-Nitroaniline | EPA 8270 | | | X | X |
| 4-Nitrophenol | EPA 8270 | | | X | X |
| 9-Chlorohexadecafluoro-3-oxanonane- 1-sulfonic Acid (9-ClPF3ONS) | EPA 533 | | X | | |
| 9-Chlorohexadecafluoro-3-oxanonane- 1-sulfonic Acid (9-ClPF3ONS) | EPA 537.1 | | X | | |
| 9-Chlorohexadecafluoro-3-oxanonane- 1-sulfonic Acid (9-ClPF3ONS) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Acenaphthene | EPA 8270 | | | X | X |
| Acenaphthylene | EPA 8270 | | | X | X |
| Acetone | EPA 524.2 | | X | | |
| Acetone | EPA 624.1 | | | X | |
| Acetone | EPA 8260 | | | X | X |
| Acetonitrile | EPA 8260 | | | X | X |
| Acifluorfen | EPA 515.3 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Acrolein (Propenal) | EPA 624.1 | | | X | |
| Acrolein (Propenal) | EPA 8260 | | | X | X |
| Acrylonitrile | EPA 624.1 | | | X | |
| Acrylonitrile | EPA 8260 | | | X | X |
| Alachlor | EPA 525.3 | | X | | |
| Aldicarb (Temik) | EPA 531.2 | | X | | |
| Aldicarb sulfone | EPA 531.2 | | X | | |
| Aldicarb sulfoxide | EPA 531.2 | | X | | |
| Aldrin | EPA 525.3 | | X | | |
| Aldrin | EPA 608.3 | | | X | |
| Aldrin | EPA 8081 | | | X | X |
| Alkalinity as CaCO3 | SM 2320 B-2011 | | X | X | |
| Allyl chloride (3-Chloropropene) | EPA 8260 | | | X | X |
| alpha-BHC (alpha- Hexachlorocyclohexane) | EPA 608.3 | | | X | |
| alpha-BHC (alpha- Hexachlorocyclohexane) | EPA 8081 | | | X | X |
| alpha-Chlordane | EPA 525.3 | | X | | |
| alpha-Chlordane | EPA 608.3 | | | X | |
| alpha-Chlordane | EPA 8081 | | | X | X |
| Aluminum | EPA 200.7 | | X | X | |
| Aluminum | EPA 200.8 | | X | X | |
| Aluminum | EPA 6010 | | | X | X |
| Aluminum | EPA 6020 | | | X | X |
| Ammonia as N | EPA 350.1 | | | X | X |
| Aniline | EPA 8270 | | | X | X |
| Anthracene | EPA 8270 | | | X | X |
| Antimony | EPA 200.7 | | | X | |
| Antimony | EPA 200.8 | | X | X | |
| Antimony | EPA 6010 | | | X | X |
| Antimony | EPA 6020 | | | X | X |
| Aroclor-1016 (PCB-1016) | EPA 505 | | X | | |
| Aroclor-1016 (PCB-1016) | EPA 608.3 | | | X | |
| Aroclor-1016 (PCB-1016) | EPA 8082 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Aroclor-1221 (PCB-1221) | EPA 505 | | X | | |
| Aroclor-1221 (PCB-1221) | EPA 608.3 | | | X | |
| Aroclor-1221 (PCB-1221) | EPA 8082 | | | X | X |
| Aroclor-1232 (PCB-1232) | EPA 505 | | X | | |
| Aroclor-1232 (PCB-1232) | EPA 608.3 | | | X | |
| Aroclor-1232 (PCB-1232) | EPA 8082 | | | X | X |
| Aroclor-1242 (PCB-1242) | EPA 505 | | X | | |
| Aroclor-1242 (PCB-1242) | EPA 608.3 | | | X | |
| Aroclor-1242 (PCB-1242) | EPA 8082 | | | X | X |
| Aroclor-1248 (PCB-1248) | EPA 505 | | X | | |
| Aroclor-1248 (PCB-1248) | EPA 608.3 | | | X | |
| Aroclor-1248 (PCB-1248) | EPA 8082 | | | X | X |
| Aroclor-1254 (PCB-1254) | EPA 505 | | X | | |
| Aroclor-1254 (PCB-1254) | EPA 608.3 | | | X | |
| Aroclor-1254 (PCB-1254) | EPA 8082 | | | X | X |
| Aroclor-1260 (PCB-1260) | EPA 505 | | X | | |
| Aroclor-1260 (PCB-1260) | EPA 608.3 | | | X | |
| Aroclor-1260 (PCB-1260) | EPA 8082 | | | X | X |
| Arsenic | EPA 200.7 | | | X | |
| Arsenic | EPA 200.8 | | X | X | |
| Arsenic | EPA 6010 | | | X | X |
| Arsenic | EPA 6020 | | | X | X |
| Atrazine | EPA 525.3 | | X | | |
| Barium | EPA 200.7 | | X | X | |
| Barium | EPA 200.8 | | X | X | |
| Barium | EPA 6010 | | | X | X |
| Barium | EPA 6020 | | | X | X |
| Bentazon | EPA 515.3 | | X | | |
| Benzene | EPA 524.2 | | X | | |
| Benzene | EPA 624.1 | | | X | |
| Benzene | EPA 8260 | | | X | X |
| Benzidine | EPA 8270 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Benzo(a)anthracene | EPA 8270 | | | X | X |
| Benzo(a)pyrene | EPA 525.3 | | X | | |
| Benzo(a)pyrene | EPA 8270 | | | X | X |
| Benzo(b)fluoranthene | EPA 8270 | | | X | X |
| Benzo(g,h,i)perylene | EPA 8270 | | | X | X |
| Benzo(k)fluoranthene | EPA 8270 | | | X | X |
| Benzyl alcohol | EPA 8270 | | | X | X |
| Beryllium | EPA 200.7 | | X | X | |
| Beryllium | EPA 200.8 | | X | X | |
| Beryllium | EPA 6010 | | | X | X |
| Beryllium | EPA 6020 | | | X | X |
| beta-BHC (beta- Hexachlorocyclohexane) | EPA 608.3 | | | X | |
| beta-BHC (beta- Hexachlorocyclohexane) | EPA 8081 | | | X | X |
| Biochemical oxygen demand | SM 5210 B-2016 | | | X | |
| bis(2-Chloroethoxy)methane | EPA 8270 | | | X | X |
| bis(2-Chloroethyl) ether | EPA 8270 | | | X | X |
| Boron | EPA 200.7 | | | X | |
| Boron | EPA 6010 | | | X | X |
| Bromate | EPA 300.1 | | X | X | |
| Bromide | EPA 300.0 | | X | X | |
| Bromide | EPA 300.1 | | X | | |
| Bromide | EPA 9056 | | | X | X |
| Bromoacetic acid | EPA 552.3 | | X | | |
| Bromobenzene | EPA 524.2 | | X | | |
| Bromobenzene | EPA 8260 | | | X | X |
| Bromochloroacetic acid | EPA 552.3 | | X | | |
| Bromochloromethane | EPA 524.2 | | X | | |
| Bromochloromethane | EPA 8260 | | | X | X |
| Bromodichloromethane | EPA 524.2 | | X | | |
| Bromodichloromethane | EPA 624.1 | | | X | |
| Bromodichloromethane | EPA 8260 | | | X | X |
| Bromoform | EPA 524.2 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Bromoform | EPA 624.1 | | | X | |
| Bromoform | EPA 8260 | | | X | X |
| Butachlor | EPA 525.3 | | X | | |
| Butyl benzyl phthalate | EPA 8270 | | | X | X |
| Cadmium | EPA 200.7 | | X | X | |
| Cadmium | EPA 200.8 | | X | X | |
| Cadmium | EPA 6010 | | | X | X |
| Cadmium | EPA 6020 | | | X | X |
| Calcium | EPA 200.7 | | X | X | |
| Calcium | EPA 6010 | X | | X | X |
| Carbaryl (Sevin) | EPA 531.2 | | X | | |
| Carbazole | EPA 8270 | | | X | X |
| Carbofuran (Furadan) | EPA 531.2 | | X | | |
| Carbon disulfide | EPA 8260 | | | X | X |
| Carbon tetrachloride | EPA 524.2 | | X | | |
| Carbon tetrachloride | EPA 624.1 | | | X | |
| Carbon tetrachloride | EPA 8260 | | | X | X |
| Carbonaceous BOD (CBOD) | SM 5210 B-2016 | | | X | |
| Chemical oxygen demand | EPA 410.4 | | | X | |
| Chlorate | EPA 300.1 | | X | X | |
| Chlordane (tech.) | EPA 505 | | X | | |
| Chlordane (tech.) | EPA 608.3 | | | X | |
| Chlordane (tech.) | EPA 8081 | | | X | X |
| Chloride | EPA 300.0 | | X | X | |
| Chloride | EPA 9056 | | | X | X |
| Chlorine | SM 4500-Cl D | | X | | |
| Chlorine dioxide, res. disinfectant | SM 4500-ClO2 D | | X | | |
| Chlorite | EPA 300.1 | | X | X | |
| Chloroacetic acid | EPA 552.3 | | X | | |
| Chlorobenzene | EPA 524.2 | | X | | |
| Chlorobenzene | EPA 624.1 | | | X | |
| Chlorobenzene | EPA 8260 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Chloroethane | EPA 524.2 | | X | | |
| Chloroethane | EPA 624.1 | | | X | |
| Chloroethane | EPA 8260 | | | X | X |
| Chloroform | EPA 524.2 | | X | | |
| Chloroform | EPA 624.1 | | | X | |
| Chloroform | EPA 8260 | | | X | X |
| Chlorophylls | SM 10200 H | | | X | |
| Chloroprene | EPA 8260 | | | X | X |
| Chromium | EPA 200.7 | | X | X | |
| Chromium | EPA 200.8 | | X | X | |
| Chromium | EPA 6010 | | | X | X |
| Chromium | EPA 6020 | | | X | X |
| Chromium VI | EPA 218.6 | | X | X | |
| Chromium VI | EPA 218.7 | | X | | |
| Chrysene | EPA 8270 | | | X | X |
| cis-1,2-Dichloroethylene | EPA 524.2 | | X | | |
| cis-1,2-Dichloroethylene | EPA 624.1 | | | X | |
| cis-1,2-Dichloroethylene | EPA 8260 | | | X | X |
| cis-1,3-Dichloropropene | EPA 524.2 | | X | | |
| cis-1,3-Dichloropropene | EPA 624.1 | | | X | |
| cis-1,3-Dichloropropene | EPA 8260 | | | X | X |
| Cobalt | EPA 200.7 | | | X | |
| Cobalt | EPA 200.8 | | X | X | |
| Cobalt | EPA 6010 | | | X | X |
| Cobalt | EPA 6020 | | | X | X |
| Color | SM 2120 B-2011 | | X | X | |
| Conductivity | SM 2510 B-2011 | | X | X | |
| Copper | EPA 200.7 | | X | X | |
| Copper | EPA 200.8 | | X | X | |
| Copper | EPA 6010 | | | X | X |
| Copper | EPA 6020 | | | X | X |
| Corrosivity (langlier index) | SM 2330 B | | X | X | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Cyanide | EPA 335.4 | | X | X | |
| Dalapon | EPA 515.3 | | X | | |
| delta-BHC | EPA 608.3 | | | X | |
| delta-BHC | EPA 8081 | | | X | X |
| Di(2-ethylhexyl) phthalate (DEHP) | EPA 525.3 | | X | | |
| Di(2-ethylhexyl) phthalate (DEHP) | EPA 8270 | | | X | X |
| Di(2-ethylhexyl)adipate | EPA 525.3 | | X | | |
| Dibenz(a,h)anthracene | EPA 8270 | | | X | X |
| Dibenzofuran | EPA 8270 | | | X | X |
| Dibromoacetic acid | EPA 552.3 | | X | | |
| Dibromochloromethane | EPA 524.2 | | X | | |
| Dibromochloromethane | EPA 624.1 | | | X | |
| Dibromochloromethane | EPA 8260 | | | X | X |
| Dibromomethane | EPA 524.2 | | X | | |
| Dibromomethane | EPA 8260 | | | X | X |
| Dicamba | EPA 515.3 | | X | | |
| Dichloroacetic acid | EPA 552.3 | | X | | |
| Dichlorodifluoromethane | EPA 524.2 | | X | | |
| Dichlorodifluoromethane | EPA 624.1 | | | X | |
| Dichlorodifluoromethane | EPA 8260 | | | X | X |
| Dichloroprop (Dichlorprop) | EPA 515.3 | | X | | |
| Dieldrin | EPA 525.3 | | X | | |
| Dieldrin | EPA 608.3 | | | X | |
| Dieldrin | EPA 8081 | | | X | X |
| Diethyl ether | EPA 8260 | | | X | X |
| Diethyl phthalate | EPA 8270 | | | X | X |
| Di-isopropylether (DIPE) | EPA 8260 | | | X | X |
| Dimethyl phthalate | EPA 8270 | | | X | X |
| Di-n-butyl phthalate | EPA 8270 | | | X | X |
| Di-n-octyl phthalate | EPA 8270 | | | X | X |
| Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP) | EPA 515.3 | | X | | |
| Diquat | EPA 549.2 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Dissolved organic carbon (DOC) | SM 5310 B | | X | | |
| Endosulfan I | EPA 608.3 | | | X | |
| Endosulfan I | EPA 8081 | | | X | X |
| Endosulfan II | EPA 608.3 | | | X | |
| Endosulfan II | EPA 8081 | | | X | X |
| Endosulfan sulfate | EPA 608.3 | | | X | |
| Endosulfan sulfate | EPA 8081 | | | X | X |
| Endothall | EPA 548.1 | | X | | |
| Endrin | EPA 525.3 | | X | | |
| Endrin | EPA 608.3 | | | X | |
| Endrin | EPA 8081 | | | X | X |
| Endrin aldehyde | EPA 608.3 | | | X | |
| Endrin aldehyde | EPA 8081 | | | X | X |
| Endrin ketone | EPA 8081 | | | X | X |
| Enterococci | ENTEROLERT / QUANTI-TRAY | | | X | |
| Escherichia coli | COLISURE | | X | | |
| Escherichia coli | SM 9223 B | | X | | |
| Escherichia coli | SM 9223 B-2016 (Colilert QT) | | | X | |
| Ethyl methacrylate | EPA 8260 | | | X | X |
| Ethylbenzene | EPA 524.2 | | X | | |
| Ethylbenzene | EPA 624.1 | | | X | |
| Ethylbenzene | EPA 8260 | | | X | X |
| Fecal coliforms | COLILERT¿-18 (Fecal Coliforms) | | | X | |
| Fecal coliforms | SM 9221 E | | | | X |
| Fecal coliforms | SM 9222 D-2015 | | | X | |
| Fluoranthene | EPA 8270 | | | X | X |
| Fluorene | EPA 8270 | | | X | X |
| Fluoride | EPA 300.0 | | X | X | |
| Fluoride | EPA 9056 | | | X | X |
| gamma-BHC (Lindane, gamma- Hexachlorocyclohexane) | EPA 525.3 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| gamma-BHC (Lindane, gamma- Hexachlorocyclohexane) | EPA 608.3 | | | X | |
| gamma-BHC (Lindane, gamma- Hexachlorocyclohexane) | EPA 8081 | | | X | X |
| gamma-Chlordane | EPA 525.3 | | X | | |
| gamma-Chlordane | EPA 608.3 | | | X | |
| gamma-Chlordane | EPA 8081 | | | X | X |
| Glyphosate | EPA 547 | | X | | |
| Hardness | SM 2340 B-2011 | | X | X | |
| Hardness (calc.) | EPA 200.7 | | X | | |
| Heptachlor | EPA 525.3 | | X | | |
| Heptachlor | EPA 608.3 | | | X | |
| Heptachlor | EPA 8081 | | | X | X |
| Heptachlor epoxide | EPA 525.3 | | X | | |
| Heptachlor epoxide | EPA 608.3 | | | X | |
| Heptachlor epoxide | EPA 8081 | | | X | X |
| Heterotrophic plate count | SIMPLATE | | X | | |
| Hexachlorobenzene | EPA 525.3 | | X | | |
| Hexachlorobenzene | EPA 8270 | | | X | X |
| Hexachlorobutadiene | EPA 524.2 | | X | | |
| Hexachlorobutadiene | EPA 8260 | | | X | X |
| Hexachlorobutadiene | EPA 8270 | | | X | X |
| Hexachlorocyclopentadiene | EPA 525.3 | | X | | |
| Hexachlorocyclopentadiene | EPA 8270 | | | X | X |
| Hexachloroethane | EPA 8270 | | | X | X |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 533 | | X | | |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | EPA 537.1 | | X | | |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA, GenX) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Indeno(1,2,3-cd)pyrene | EPA 8270 | | | X | X |
| Iodomethane (Methyl iodide) | EPA 8260 | | | X | X |
| Iron | EPA 200.7 | | X | X | |
| Iron | EPA 6010 | | | X | X |
| Iron | EPA 6020 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Isobutyl alcohol (2-Methyl-1-propanol) | EPA 8260 | | | X | X |
| Isophorone | EPA 8270 | | | X | X |
| Isopropylbenzene | EPA 524.2 | | X | | |
| Isopropylbenzene | EPA 8260 | | | X | X |
| Kjeldahl nitrogen - total | EPA 351.2 | | | X | X |
| Lead | EPA 200.7 | | | X | |
| Lead | EPA 200.8 | | X | X | |
| Lead | EPA 6010 | | | X | X |
| Lead | EPA 6020 | | | X | X |
| Lithium | EPA 200.7 | | | X | |
| m+p-Xylenes | EPA 524.2 | | X | | |
| m+p-Xylenes | EPA 624.1 | | | X | |
| m+p-Xylenes | EPA 8260 | | | X | X |
| Magnesium | EPA 200.7 | | X | X | |
| Magnesium | EPA 6010 | | | X | X |
| Manganese | EPA 200.7 | | X | X | |
| Manganese | EPA 200.8 | | X | X | |
| Manganese | EPA 6010 | | | X | X |
| Manganese | EPA 6020 | | | X | X |
| Mercury | EPA 245.1 | | X | X | |
| Mercury | EPA 7470 | | | X | |
| Mercury | EPA 7471 | | | | X |
| Methacrylonitrile | EPA 8260 | | | X | X |
| Methiocarb (Mesurol) | EPA 531.2 | | X | | |
| Methomyl (Lannate) | EPA 531.2 | | X | | |
| Methoxychlor | EPA 525.3 | | X | | |
| Methoxychlor | EPA 608.3 | | | X | |
| Methoxychlor | EPA 8081 | | | X | X |
| Methoxychlor | SM 6630 C | | | X | |
| Methyl bromide (Bromomethane) | EPA 524.2 | | X | | |
| Methyl bromide (Bromomethane) | EPA 624.1 | | | X | |
| Methyl bromide (Bromomethane) | EPA 8260 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Methyl chloride (Chloromethane) | EPA 524.2 | | X | | |
| Methyl chloride (Chloromethane) | EPA 624.1 | | | X | |
| Methyl chloride (Chloromethane) | EPA 8260 | | | X | X |
| Methyl methacrylate | EPA 8260 | | | X | X |
| Methyl tert-butyl ether (MTBE) | EPA 524.2 | | X | | |
| Methyl tert-butyl ether (MTBE) | EPA 624.1 | | | X | |
| Methyl tert-butyl ether (MTBE) | EPA 8260 | | | X | X |
| Methylcyclohexane | EPA 8260 | | | X | X |
| Methylene chloride | EPA 524.2 | | X | | |
| Methylene chloride | EPA 624.1 | | | X | |
| Methylene chloride | EPA 8260 | | | X | X |
| Metolachlor | EPA 525.3 | | X | | |
| Metribuzin | EPA 525.3 | | X | | |
| Mirex | EPA 608.3 | | | X | |
| Mirex | EPA 8081 | | | X | X |
| Molinate | EPA 525.3 | | X | | |
| Molybdenum | EPA 200.7 | | | X | |
| Molybdenum | EPA 200.8 | | | X | |
| Molybdenum | EPA 6010 | | | X | X |
| Molybdenum | EPA 6020 | | | X | X |
| Naphthalene | EPA 524.2 | | X | | |
| Naphthalene | EPA 8260 | | | X | X |
| Naphthalene | EPA 8270 | | | X | X |
| n-Butylbenzene | EPA 524.2 | | X | | |
| n-Butylbenzene | EPA 8260 | | | X | X |
| n-Hexane | PACE SOP S-FL-O-037 / GC-MS | | | X | X |
| Nickel | EPA 200.7 | | X | X | |
| Nickel | EPA 200.8 | | X | X | |
| Nickel | EPA 6010 | | | X | X |
| Nickel | EPA 6020 | | | X | X |
| Nitrate | EPA 300.0 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Nitrate | EPA 353.2 | | X | | |
| Nitrate | EPA 9056 | | | X | X |
| Nitrate as N | EPA 300.0 | | | X | |
| Nitrate as N | EPA 353.2 | | | X | X |
| Nitrate-nitrite | EPA 300.0 | | | X | |
| Nitrate-nitrite | EPA 353.2 | | | X | |
| Nitrite | EPA 300.0 | | X | | |
| Nitrite | EPA 353.2 | | X | | |
| Nitrite | EPA 9056 | | | X | X |
| Nitrite as N | EPA 300.0 | | | X | |
| Nitrite as N | EPA 353.2 | | | X | X |
| Nitrobenzene | EPA 8270 | | | X | X |
| n-Nitrosodimethylamine | EPA 8270 | | | X | X |
| n-Nitrosodi-n-propylamine | EPA 8270 | | | X | X |
| n-Nitrosodiphenylamine | EPA 8270 | | | X | X |
| Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA) | EPA 533 | | X | | |
| n-Propylbenzene | EPA 524.2 | | X | | |
| n-Propylbenzene | EPA 8260 | | | X | X |
| Odor | SM 2150 B | | X | | |
| Organic nitrogen | TKN minus AMMONIA | | | X | X |
| Orthophosphate as P | EPA 300.0 | | X | X | |
| Orthophosphate as P | EPA 365.1 | | X | X | |
| Orthophosphate as P | EPA 9056 | | | X | X |
| Oxamyl | EPA 531.2 | | X | | |
| o-Xylene | EPA 524.2 | | X | | |
| o-Xylene | EPA 624.1 | | | X | |
| o-Xylene | EPA 8260 | | | X | X |
| Paint Filter Liquids | EPA 9095 | | | | X |
| Paraquat | EPA 549.2 | | X | | |
| PCB Screen as AROCLORS | EPA 505 | | X | | |
| Pentachloroethane | EPA 8260 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Pentachlorophenol | EPA 515.3 | | X | | |
| Pentachlorophenol | EPA 8270 | | | X | X |
| Perfluoro(2-ethoxyethane) Sulfonic Acid (PFEESA) | EPA 533 | | X | | |
| Perfluoro-3-methoxypropanoic Acid (PFMPA) | EPA 533 | | X | | |
| Perfluoro-4-methoxybutanoic Acid (PFMBA) | EPA 533 | | X | | |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | EPA 533 | | X | | |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | EPA 537 | | X | | |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | EPA 537.1 | | X | | |
| Perfluorobutane Sulfonate (PFBS, Perfluorobutane Sulfonic Acid) | PACE SOP ENV-SOP- ORB1-0080 | | | X | |
| Perfluorobutanoate (PFBA, Perfluorobutanoic Acid) | EPA 533 | | X | | |
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | EPA 533 | | X | | |
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | EPA 537.1 | | X | | |
| Perfluorodecanoate (PFDA, Perfluorodecanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid) | EPA 533 | | X | | |
| Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid) | EPA 537.1 | | X | | |
| Perfluorododecanoate (PFDoA, Pefluorododecanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluoroheptane Sulfonate (PFHpS, Perfluoroheptane Sulfonic Acid) | EPA 533 | | X | | |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | EPA 533 | | X | | |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | EPA 537 | | X | | |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | EPA 537.1 | | X | | |
| Perfluoroheptanoate (PFHpA, Perfluoroheptanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | EPA 533 | | X | | |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | EPA 537 | | X | | |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | EPA 537.1 | | X | | |
| Perfluorohexane Sulfonic Acid (PFHxS, Perfluorohexane Sulfonate) | PACE SOP ENV-SOP- ORB1-0080 | | | X | |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | EPA 533 | | X | | |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | EPA 537.1 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Perfluorohexanoate (PFHxA, Perfluorohexanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | EPA 533 | | X | | |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | EPA 537 | | X | | |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | EPA 537.1 | | X | | |
| Perfluorononanoate (PFNA, Perfluorononanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluorooctane sulfonate (PFOS, Perfluoro-octane Sulfonic Acid) | EPA 537 | | X | | |
| Perfluorooctane sulfonic acid (PFOS) | EPA 533 | | X | | |
| Perfluorooctane sulfonic acid (PFOS) | EPA 537.1 | | X | | |
| Perfluorooctane sulfonic acid (PFOS) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluoro-octanoate (PFOA, Perfluoro- octanoic Acid) | EPA 533 | | X | | |
| Perfluoro-octanoate (PFOA, Perfluoro- octanoic Acid) | EPA 537 | | X | | |
| Perfluoro-octanoate (PFOA, Perfluoro- octanoic Acid) | EPA 537.1 | | X | | |
| Perfluoro-octanoate (PFOA, Perfluoro- octanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluoropentane Sulfonic Acid (PFPeS, Perfluoropentane Sulfonate) | EPA 533 | | X | | |
| Perfluoropentanoate (PFPeA, Perfluoropentanoic Acid) | EPA 533 | | X | | |
| Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid) | EPA 537.1 | | X | | |
| Perfluorotetradecanoate (PFTeDA, perfluorotetradecanoic acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid) | EPA 537.1 | | X | | |
| Perfluorotridecanoate (PFTriA, perfluorotridecanoic acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | EPA 533 | | X | | |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | EPA 537.1 | | X | | |
| Perfluoroundecanoate (PFUnA, Perfluoroundecanoic Acid) | PACE SOP ENV-SOP- ORB1-0080 / LC-MS-MS | | | X | |
| pH | EPA 9040 | | | X | |
| pH | EPA 9045 | | | | X |
| pH | SM 4500-H+ B-2011 | | X | X | |
| Phenanthrene | EPA 8270 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Phenol | EPA 8270 | | | X | X |
| Phosphorus, total | EPA 365.3 | | | X | |
| Phosphorus, total | EPA 365.4 | | | X | X |
| Picloram | EPA 515.3 | | X | | |
| p-Isopropyltoluene | EPA 524.2 | | X | | |
| p-Isopropyltoluene | EPA 8260 | | | X | X |
| Potassium | EPA 200.7 | | X | X | |
| Potassium | EPA 6010 | | | X | X |
| Propachlor (Ramrod) | EPA 525.3 | | X | | |
| Propionitrile (Ethyl cyanide) | EPA 8260 | | | X | X |
| Pyrene | EPA 8270 | | | X | X |
| Pyridine | EPA 8270 | | | X | X |
| Residue-filterable (TDS) | SM 2540 C-2015 | | X | X | |
| Residue-nonfilterable (TSS) | SM 2540 D-2015 | | | X | |
| Residue-total | SM 2540 B-2015 | | | X | |
| Residue-total | SM 2540 G | | | | X |
| Residue-volatile | SM 2540 G | | | | X |
| sec-Butylbenzene | EPA 524.2 | | X | | |
| sec-Butylbenzene | EPA 8260 | | | X | X |
| Selenium | EPA 200.7 | | | X | |
| Selenium | EPA 200.8 | | X | X | |
| Selenium | EPA 6010 | | | X | X |
| Selenium | EPA 6020 | | | X | X |
| Silica as SiO2 | EPA 200.7 | | X | X | |
| Silica as SiO2 | EPA 6010 | | | X | |
| Silicon | EPA 200.7 | | | X | |
| Silicon | EPA 6010 | | | X | |
| Silver | EPA 200.7 | | X | X | |
| Silver | EPA 200.8 | | X | X | |
| Silver | EPA 6010 | | | X | X |
| Silver | EPA 6020 | | | X | X |
| Silvex (2,4,5-TP) | EPA 515.3 | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Simazine | EPA 525.3 | | X | | |
| Sodium | EPA 200.7 | | X | X | |
| Sodium | EPA 6010 | | | X | X |
| Strontium | EPA 200.7 | | | X | |
| Strontium | EPA 200.8 | | | X | |
| Strontium | EPA 6010 | | | X | X |
| Strontium | EPA 6020 | | | | X |
| Strontium | PACE SOP S-FL-M-004 / ICP-MS | | X | | |
| Styrene | EPA 524.2 | | X | | |
| Styrene | EPA 8260 | | | X | X |
| Sulfate | EPA 300.0 | | X | X | |
| Sulfate | EPA 9056 | | | X | X |
| Sulfide | SM 4500-S2¿ F-2011 | | | X | |
| Sulfur | EPA 200.7 | | | X | |
| Sulfur | EPA 6010 | | | X | X |
| Surfactants - MBAS | SM 5540 C-2011 | | X | X | |
| Synthetic Precipitation Leaching Procedure (SPLP) | EPA 1312 | | | | X |
| tert-Butyl alcohol (2-Methyl-2-propanol) | EPA 8260 | | | X | X |
| tert-Butylbenzene | EPA 524.2 | | X | | |
| tert-Butylbenzene | EPA 8260 | | | X | X |
| Tetrachloroethylene (Perchloroethylene) | EPA 524.2 | | X | | |
| Tetrachloroethylene (Perchloroethylene) | EPA 624.1 | | | X | |
| Tetrachloroethylene (Perchloroethylene) | EPA 8260 | | | X | X |
| Tetrahydrofuran (THF) | EPA 8260 | | | | X |
| Thallium | EPA 200.8 | | X | X | |
| Thallium | EPA 6010 | | | X | X |
| Thallium | EPA 6020 | | | X | X |
| Tin | EPA 200.7 | | | X | |
| Tin | EPA 6010 | | | X | X |
| Titanium | EPA 200.7 | | | X | |
| Titanium | EPA 200.8 | | | X | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Titanium | EPA 6010 | | | X | X |
| Toluene | EPA 524.2 | | X | | |
| Toluene | EPA 624.1 | | | X | |
| Toluene | EPA 8260 | | | X | X |
| Total coliforms | COLISURE | | X | | |
| Total coliforms | SM 9222 B-2015 | | | X | |
| Total coliforms | SM 9223 B | | X | | |
| Total coliforms | SM 9223 B-2016 (Colilert QT) | | | X | |
| Total cyanide | EPA 9012 | | | X | X |
| Total haloacetic acids (HAA5) | EPA 552.3 | | X | | |
| Total hardness as CaCO3 | EPA 200.7 | | | X | |
| Total nitrate-nitrite | EPA 300.0 | | X | | |
| Total nitrate-nitrite | EPA 353.2 | | X | | X |
| Total nitrate-nitrite | EPA 9056 | | | X | X |
| Total Nitrogen | TKN + Total Nitrate-Nitrite | | | X | X |
| Total organic carbon | SM 5310 B-2014 | | X | X | |
| Total Petroleum Hydrocarbons (TPH) | FL TPHCWG Direct Method | | | X | X |
| Total Petroleum Hydrocarbons (TPH) | FL-PRO | | | X | X |
| Total residual chlorine | SM 4500-Cl$_2$ D-2011 | | | X | |
| Total trihalomethanes | EPA 524.2 | | X | | |
| Toxaphene (Chlorinated camphene) | EPA 505 | | X | | |
| Toxaphene (Chlorinated camphene) | EPA 608.3 | | | X | |
| Toxaphene (Chlorinated camphene) | EPA 8081 | | | X | X |
| Toxicity Characteristic Leaching Procedure (TCLP) | EPA 1311 | | | | X |
| trans-1,2-Dichloroethylene | EPA 524.2 | | X | | |
| trans-1,2-Dichloroethylene | EPA 624.1 | | | X | |
| trans-1,2-Dichloroethylene | EPA 8260 | | | X | X |
| trans-1,3-Dichloropropene | EPA 524.2 | | X | | |
| trans-1,3-Dichloropropene | EPA 624.1 | | | X | |
| trans-1,3-Dichloropropene | EPA 8260 | | | X | X |
| trans-1,4-Dichloro-2-butene | EPA 8260 | | | X | X |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | Tissue | DW | NPW | SCM |
| Trichloroacetic acid | EPA 552.3 | | X | | |
| Trichloroethene (Trichloroethylene) | EPA 524.2 | | X | | |
| Trichloroethene (Trichloroethylene) | EPA 624.1 | | | X | |
| Trichloroethene (Trichloroethylene) | EPA 8260 | | | X | X |
| Trichlorofluoromethane | EPA 524.2 | | X | | |
| Trichlorofluoromethane | EPA 624.1 | | | X | |
| Trichlorofluoromethane | EPA 8260 | | | X | X |
| Trifluralin (Treflan) | EPA 525.3 | | X | | |
| Turbidity | EPA 180.1 | | X | X | |
| Un-Ionized Ammonia | DEP SOP 10/03/83 | | | X | |
| Uranium (mass) | EPA 200.8 | | X | X | |
| Vanadium | EPA 200.7 | | | X | |
| Vanadium | EPA 200.8 | | | X | |
| Vanadium | EPA 6010 | | | X | X |
| Vanadium | EPA 6020 | | | X | X |
| Vinyl acetate | EPA 8260 | | | X | X |
| Vinyl chloride | EPA 524.2 | | X | | |
| Vinyl chloride | EPA 624.1 | | | X | |
| Vinyl chloride | EPA 8260 | | | X | X |
| Xylene (total) | EPA 524.2 | | X | | |
| Xylene (total) | EPA 624.1 | | | X | |
| Xylene (total) | EPA 8260 | | | X | X |
| Zinc | EPA 200.7 | | X | X | |
| Zinc | EPA 200.8 | | X | X | |
| Zinc | EPA 6010 | | | X | X |
| Zinc | EPA 6020 | | | X | X |

[1] = Laboratory does not hold TNI Accreditation for this test method.

### 7.2.1 PAS-Pompano Beach

| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | DW | NPW | SCM | |
| *Escherichia coli* | SM 9222 G | X | | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | DW | NPW | SCM | |
| *Escherichia coli* | SM 9223 B | X | | | |
| Heterotrophic plate | SIMPLATE | X | X | | |
| Total coliforms | SM 9222 B | X | X | | |
| Total coliforms | SM 9223 B | X | | | |
| Total coliforms | SM 9223 B /QUANTI-TRAY | | X | | |
| Odor | SM 2150 B | X | | | |
| Enterococci | ENTEROLERT / QUANTI- | | X | | |
| *Escherichia coli* | SM 9223 B /QUANTI-TRAY | | X | | |
| Fecal coliforms | COLILERT-18 / QUANTI-TRAY | | X | | |
| Fecal coliforms | SM 9222 D | | X | | |
| Fecal coliforms | SM 9221 E | | X | X | |
| Salinity | SM 2520B | | | | |

[1] = Laboratory does not hold TNI Accreditation for this test method.

### 7.2.2 PAS- Oldsmar

| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | DW | NPW | SCM | |
| *Escherichia coli* | SM 9222 G | X | | | |
| *Escherichia coli* | SM 9223 B | X | | | |
| Heterotrophic plate | SIMPLATE | X | | | |
| Total coliforms | SM 9222 B | X | X | | |
| Total coliforms | SM 9223 B | X | | | |
| Total coliforms | SM 9221 B | | X | | |
| Total coliforms | SM 9223 B /QUANTI-TRAY | | X | | |
| Odor | SM 2150 B | X | | | |
| Enterococci | ENTEROLERT / QUANTI-TRAY | | X | | |
| *Escherichia coli* | SM 9223 B /QUANTI-TRAY | | X | | |
| Fecal coliforms | COLILERT-18 / QUANTI-TRAY | | X | | |
| Fecal coliforms | SM 9222 D | | X | | |

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| Parameter | Method | Matrices | | | |
|---|---|---|---|---|---|
| | | DW | NPW | SCM | |
| Fecal coliforms | SM 9221 E | | X | X | |

[1] = Laboratory does not hold TNI Accreditation for this test method.

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## 7.3 Appendix C: Glossary

This glossary provides common terms and definitions used in environmental testing; it is not intended to be a complete list of all terms and definitions used; some terms are defined in the context of the document or application. The definitions have been compiled mostly from the TNI Standard and DoD QSM. Although this information has been reproduced with care, errors cannot be entirely excluded.

| Term | Definition |
|---|---|
| Acceptance Criteria | Specified limits placed on characteristics of an item, process, or service defined in requirement documents. |
| Accreditation | The process by which an agency or organization evaluates and recognizes a laboratory as meeting certain predetermined qualifications or standards, thereby accrediting the laboratory. |
| Accreditation Body | The organization having responsibility and accountability for environmental laboratory accreditation, and which grants accreditation. |
| Accuracy | The degree of agreement between an observed value and an accepted reference value. Accuracy includes a combination of random error (precision) and systematic error (bias) components that are due to sampling and analytical operations; a data quality indicator. |
| Aliquot | A discrete, measured, representative portion of a sample taken for analysis. |
| Analysis | A combination of sample preparation and instrument determination. |
| Analysis Sequence | A compilation of all samples, standards and quality control samples run during a specific amount of time on a particular instrument in the order they are analyzed. |
| Analyte | A substance, organism, physical parameter, property, or chemical constituent(s) for which an environmental sample is being analyzed. |
| Analytical Method | A formal process that identifies and quantifies the chemical components of interest in a sample. |
| Analytical Uncertainty | A subset of Measurement Uncertainty that includes all laboratory activities performed as part of the analysis. |
| Annual (or annually) | Defined by PAS as every 12 months ± 30 days. |
| Assessment | The evaluation process used to measure or establish the performance, effectiveness, and conformance of an organization and/or its system to defined criteria (to the standards and requirements of laboratory accreditation). |
| Atomic Absorption Spectrometer | Instrument used to measure concentration in metals samples. |
| Audit | A systematic and independent examination of facilities, equipment, personnel, training, procedures, record-keeping, data validation, data management, and reporting aspects of a system to determine whether QA/QC and technical activities are being conducted as planned and whether these activities will effectively achieve quality objectives. |
| Batch | Environmental samples that are prepared and/or analyzed together with the same process and personnel, using the same lot(s) of reagents. A **preparation batch** is composed of one to 20 environmental samples of the same quality systems matrix, meeting the above-mentioned criteria and with a maximum time between the start of processing of the first and last sample in the batch to be 24 hours or the time specified by the regulatory program. An **analytical batch** is composed of prepared environmental samples (extracts, digestates or concentrates) which are analyzed together as a group. An analytical batch can include prepared samples originating from various quality system matrices and can exceed 20 samples. |
| Bias | The systematic or persistent distortion of a measurement process, which causes errors in one direction (i.e., the expected sample measurement is different from the sample's true value). |
| Blank | A sample that has not been exposed to the analyzed sample stream in order to monitor contamination during sampling, transport, storage, or analysis. The blank is subjected to the usual analytical and measurement process to establish a zero baseline or background value and is sometimes used to adjust or correct routine analytical results (See Method Blank). |

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|---|---|
| Blind Sample | A sub-sample for analysis with a composition known to the submitter. The analyst/laboratory may know the identity of the sample but not its composition. It is used to test the analyst's or laboratory's proficiency in the execution of the measurement process. |
| Calibration | A set of operations that establish, under specified conditions, the relationship between values of quantities indicated by a measuring instrument or measuring system, or values represented by a material measure or a reference material, and the corresponding values realized by standards. |
| Calibration Curve | The mathematical relationship between the known values, such as concentrations, of a series of calibration standards and their instrument response. |
| Calibration Method | A defined technical procedure for performing a calibration. |
| Calibration Range | The range of values (concentrations) between the lowest and highest calibration standards of a multi-level calibration curve. |
| Calibration Standard | A substance or reference material used for calibration. |
| Certified Reference Material | Reference material accompanied by a certificate, having a value, measurement uncertainty, and stated metrological traceability chain to a national metrology institute. |
| Chain of Custody | An unbroken trail of accountability that verifies the physical security of samples, data, and records. |
| Client /Customer | Any individual or organization external to Pace for whom items or services are furnished or work performed in response to defined requirements and expectations. |
| Code of Federal Regulations (CFR) | A codification of the general and permanent rules published in the Federal Register by agencies of the federal government. |
| Comparability | An assessment of the confidence with which one data set can be compared to another. |
| Completeness | The percentage of valid data obtained from a measurement system compared to the amount of valid data expected under normal conditions. This attribute is always calculated by the end data user, not by the laboratory. |
| Confirmation | Verification of the identity of a component through the use of an approach with a different scientific principle from the original method. |
| Continuing Calibration Blank (CCB) | A blank sample used to monitor the cleanliness of an analytical system at a frequency determined by the analytical method. |
| Continuing Calibration Check Compounds (CCC) | Compounds listed in mass spectrometry methods are used to evaluate an instrument calibration from the standpoint of the integrity of the system. |
| Continuing Calibration Verification (CCV) Standard | A standard used to verify the initial calibration of compounds in an analytical method. May be referred to as a CCC in some programs, such as UCMR. |
| Control Limit | A range within which specified measurement results must fall to verify that the analytical system is in control. |
| Correction | Action taken to eliminate a detected non-conformity. |
| Corrective Action | The action taken to eliminate the causes of an existing non-conformity, defect, or other undesirable situation in order to prevent recurrence. |
| Data Integrity | The condition that exists when data are sound, correct, and complete, and accurately reflect activities and requirements. |
| Data Quality Objective (DQO) | Strategic planning tool that identifies and defines the type, quality, and quantity of data needed to satisfy a specified use or end user. |
| Data Reduction | The process of transforming the number of data items by arithmetic or statistical calculation, standard curves, and concentration factors, and collating them into a more usable form. |
| Demonstration of Capability (DOC) | A procedure to establish the ability of the analyst to generate analytical results of acceptable accuracy and precision. |
| Detection Limit (DL) | The minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from the method blank results. |
| Dry Weight | The percent of sample that is not water, which may be used to adjust the reported results. |

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|---|---|
| Electronic Data Deliverable (EDD) | A summary of environmental data which clients request for ease of data review and comparison to historical results. |
| Environmental Protection Agency (EPA) | An agency of the federal government of the United States which was created for the purpose of protecting human health and the environment by writing and enforcing regulations based on laws passed by Congress. |
| Equipment Blank | A sample of analyte-free media used to rinse common sampling equipment to check effectiveness of decontamination procedures. |
| Extracted Internal Standard Analyte | Isotopically labeled analogs of analytes of interest added to all standards, blanks and samples analyzed. Added to samples and batch QC samples prior to the first step of sample extraction and to standards and instrument blanks prior to analysis. Used for isotope dilution methods. |
| False Negative | A result that fails to identify (detect) an analyte to be present. |
| False Positive | A result that erroneously identifies (detects) an analyte to be present. |
| Field Blank | A blank sample prepared in the field by filling a clean container with reagent water and appropriate preservative, if any, for the specific sampling activity being undertaken. |
| Field Measurement | Testing performed in the field outside of a fixed-laboratory or outside of an enclosed structure that meets the requirements of a mobile laboratory. |
| Flame Atomic Absorption Spectrometer (FAA) | Instrumentation used to measure the concentration of metals in an environmental sample based on the fact that ground state metals absorb light at different wavelengths. Metals in a solution are converted to the atomic state by use of a flame. |
| Flame Ionization Detector (FID) | A type of gas detector used in GC analysis where samples are passed through a flame which ionizes the sample so that various ions can be measured. |
| Gas Chromatography (GC) | Instrumentation which utilizes a mobile carrier gas to deliver an environmental sample across a stationary phase with the intent to separate compounds out and measure their retention times. |
| Gas Chromatograph/ Mass Spectrometry (GC/MS) | In conjunction with a GC, this instrumentation utilizes a mass spectrometer which measures fragments of compounds and determines their identity by their fragmentation patterns (mass spectra). |
| Gasoline Range Organics (GRO) | A range of compounds that denote all the characteristic compounds that make up gasoline (range can be state or program specific). |
| Graphite Furnace Atomic Absorption Spectrometry (GFAA) | Instrumentation used to measure the concentration of metals in an environmental sample based on the absorption of light at different wavelengths that are characteristic of different analytes. |
| High Pressure Liquid Chromatography (HPLC) | Instrumentation used to separate, identify, and quantitate compounds based on retention times which are dependent on interactions between a mobile phase and a stationary phase. |
| Holding Time | The maximum time specified in a reference method that can elapse between analytical activities. |
| Homogeneity | The degree to which a property or substance is uniformly distributed throughout a sample. |
| Incremental Sampling Method (ISM) | A sampling method designed to provide an accurate characterization of contamination in soils at a site through collection of numerous portions of soil that are combined, processed, and subsampled in order to reduce the effects of soil heterogeneity. |
| Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) | Analytical technique used for the detection of trace metals which uses plasma to produce excited atoms that emit radiation of characteristic wavelengths. |
| Inductively Coupled Plasma- Mass Spectrometry (ICP/MS) | An ICP that is used in conjunction with a mass spectrometer so that the instrument is not only capable of detecting trace amounts of metals and non-metals but is also capable of monitoring isotopic speciation for the ions of choice. |
| Infrared Spectrometer (IR) | An instrument that uses infrared light to identify compounds of interest. |

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| | |
|---|---|
| Initial Calibration (ICAL) | The process of analyzing standards, prepared at specified concentrations, to define the quantitative response relationship of the instrument to the analytes of interest. |
| Initial Calibration Blank (ICB) | A blank sample used to monitor the cleanliness of an analytical system at a frequency determined by the analytical method. |
| Initial Calibration Verification (ICV) | A standard obtained or prepared from a source independent of the source of the initial calibration standards to verify the initial calibration. |
| Instrument Blank | An analyte free matrix processed through the instrumental steps of the measurement process; use to determine instrument contamination. |
| Interference | The suppression or elevation of result of an analyte of interest due to the presence of other compounds. |
| Internal Standard | A known amount of standard added to a test portion of a sample as a reference for evaluating and controlling the precision and bias of the applied analytical method. |
| International Organization for Standardization (ISO) | An international standard-setting body composed of representatives from various national standards organizations. |
| Intermediate Standard Solution | Reference solutions prepared by dilution of the stock solutions with an appropriate solvent. |
| International System of Units (SI) | The coherent system of units adopted and recommended by the General Conference on Weights and Measures. |
| Ion Chromatography (IC) | Instrumentation or process that allows the separation of ions and molecules based on the charge properties of the molecules. |
| Isomer | One of two or more compounds, radicals, or ions that contain the same number of atoms of the same element but differ in structural arrangement and properties. For example, hexane (C6H14) could be n-hexane, 2-methylpentane, 3-methylpentane, 2,3-dimethylbutane, 2,2-dimethylbutane. |
| Laboratory | A facility that performs testing, whether in-house or in the field. |
| Laboratory Control Sample (LCS) | Also known as laboratory fortified blank (LFB): A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes, which is taken through all sample preparation and analytical steps of the procedure. |
| Laboratory Information Management System (LIMS) | The entirety of an electronic data system (including hardware and software) that collects, analyzes, stores, and archives electronic records and documents. |
| Legal Chain-of-Custody Protocols | Industry defined protocol that is sometimes used for evidentiary or legal purposes that establishes an intact, continuous record of the physical possession, storage, and disposal of samples, including sample aliquots and prepared samples. |
| Limit(s) of Detection (LOD) | The smallest concentration of a substance that must be present in a sample in order to be detected at the DL with 99% confidence. |
| Limit(s) of Quantitation (LOQ) | The minimum level, concentration, or quantity of a target analyte that can be reported with a specified degree of confidence. |
| Lower Limit of Quantitation (LLOQ) | The concentration of the lowest calibration standard included in the calibration curve. |
| Linear Dynamic Range | Concentration range where the instrument provides a linear response. |
| Liquid chromatography/ tandem mass spectrometry (LC/MS/MS) | Instrumentation that combines the physical separation techniques of liquid chromatography with the mass analysis capabilities of mass spectrometry. |
| Lot | A definite amount of material produced during a single manufacturing cycle and intended to have uniform character and quality. |
| Matrix | The substrate of a test sample. |

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|---|---|
| Matrix Duplicate | A replicate matrix prepared in the laboratory and analyzed to obtain a measure of precision. |
| Matrix Spike (MS) | A sample prepared, taken through all sample preparation and analytical steps of the procedure, to which a known amount of target analyte is added to a specified amount of sample for which an independent test result of target analyte concentration is available. |
| Matrix Spike Duplicate (MSD) | A replicate matrix spike prepared in the laboratory and analyzed to obtain a measure of the precision of the recovery for each analyte. |
| Measurement System | A method, as implemented at a particular laboratory, and which includes the equipment used to perform the test and the operator(s). |
| Measurement Uncertainty | An estimate of the error in a measurement often stated as a range of values that contain the true value within a certain confidence level. |
| Method | A body of procedures and techniques for performing an activity (e.g., sampling, chemical analysis, quantification). |
| Method Blank | A sample of a matrix similar to the batch of associated samples (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures. |
| Method Detection Limit (MDL) | The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix containing the analyte. |
| Method of Standard Additions | A set of procedures adding one or more increments of a standard solution to sample aliquots of the same size in order to overcome inherent matrix effects. |
| Minimum Detectable Activity (MDA) | Estimate of the smallest true activity that ensures a specified high confidence, $1 - \beta$, of detection above the Critical Value, and a low probability $\beta$ of false negatives below the Critical Value. For radiometric methods, $\beta$ is often set at 0.05. |
| Negative Control | A sample included in the method that is treated the same as all others but is expected to have a detection of analytes of interest. |
| Nonconformance | An indication or judgment that a product or service has not met the requirement of the relevant specifications, contract, or regulation; also, the state of failing to meet the requirements. |
| Positive Control | A sample included in the method that is treated the same as all others and is expected to have a detection of the analytes of interest. |
| Practical Quantitation Limit (PQL) | Another term for a method reporting limit. |
| Precision | The degree to which a set of observations or measurements of the same property, obtained under similar conditions, conform to themselves. |
| Preservation | Any conditions under which a sample must be kept in order to maintain chemical, physical, and/or biological integrity prior to analysis. |
| Primary Accreditation Body (Primary AB) | The TNI-approved state agency responsible for assessing a laboratory's total quality system, on-site assessment, and PT performance tracking for fields of accreditation. |
| Procedure | Written instructions detailing the performance of a task, process, or other laboratory activity. |
| Proficiency Testing (PT) | A means to evaluate a laboratory's performance under controlled conditions relative to a given set of criteria, through analysis of unknown samples provided by an external source. |
| Proficiency Testing Reporting Limit (PTRL) | A statistically derived value that represents the lowest acceptable concentration for an analyte in a PT sample, if the analyte is spiked into the PT sample. The PTRLs are specified in the TNI FoPT tables. |
| Qualitative Analysis | Analysis designed to identify the components of a substance or mixture. |
| Quality Assurance (QA) | An integrated system of management activities involving planning, implementation, assessment, reporting, and quality improvement to ensure that a process, item, or service is of the type and quality needed and expected by the client. |
| Quality Assurance Project Plan (QAPP) | A formal document describing the detailed quality control procedures by which the quality requirements defined for the data and decisions pertaining to a specific project are to be achieved. |

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| | |
|---|---|
| Quality Control (QC) | The overall system of technical activities that measures the attributes and performance of a process, item, or service against defined standards to verify that they meet the stated requirements established by the customer; operational techniques and activities that are used to fulfill requirements for quality; also the system of activities and checks used to ensure that measurement systems are maintained within prescribed limits, providing protection against "out of control" conditions and ensuring that the results are of acceptable quality. |
| Quality Control Sample (QCS) | A sample used to assess the performance the measurement system. |
| Quality Manual | A document stating the management policies, objectives, principles, organizational structure and authority, responsibilities, accountability, and implementation of an agency, organization, or laboratory, to ensure the quality of its product and the utility of its product to its users. |
| Quality Management System | A structured and documented management system describing the policies, objectives, principles, organizational authority, responsibilities, accountability, and implementation plan of an organization for ensuring quality in its work processes, products (items), and services. The quality system provides the framework for planning, implementing, and assessing work performed by the organization and for carrying out required quality assurance and quality control activities. |
| Quantitation Range | The upper and lower limit to which values can be reported without being qualified as estimated. |
| Quantitative Analysis | Analysis designed to determine the amounts or proportions of the components of a substance. |
| Raw Data | The documentation generated during sampling and analysis. This documentation includes, but is not limited to, field notes, electronic data, magnetic tapes, untabulated sample results, QC sample results, print outs of chromatograms, instrument outputs, and handwritten records. |
| Record | Documentation, data, or other records constituting a piece of evidence about the past, especially an account of an act or occurrence kept in writing or some other permanent form. Records may be in electronic or hardcopy media. Unless otherwise specified, the term "record" refers to both electronic and hardcopy media. |
| Reference Material | Material or substance one or more of whose property values are sufficiently homogenized and well established to be used for the calibration of an apparatus, the assessment of a measurement method, or for assigning values to materials. |
| Reference Method | A published method issued by an organization recognized as competent to do so. (When the ISO language refers to a "standard method," that term is equivalent to "reference method"). |
| Reference Standard | Standard used for the calibration of working measurement standards in a given organization or at a given location. |
| Relative Percent Difference (RPD) | A measure of precision defined as the difference between two measurements divided by the average concentration of the two measurements. |
| Reporting Limit (RL) | The value to which test results are reported as detected or not detected. |
| Representativeness | A quality element related to the ability to collect a sample reflecting the characteristics of the part of the environment to be assessed. |
| Retention Time | The time between sample injection and the appearance of a solute peak at the detector. |
| Sample | The item submitted for testing. |
| Sampling | Activity related to obtaining a representative sample for analysis. |
| Selected Ion Monitoring (SIM) | A mode of analysis in mass spectrometry where the detector is set to scan over a very small mass range, typically one mass unit. |
| Selectivity | The ability of a method to correctly determine an analyte without interference from other compounds. |
| Sensitivity | The smallest amount of substance in a sample that can accurately be measured. |
| Serial Dilution | The stepwise dilution of a substance in a solution. |
| Standard Operating Procedure (SOP) | A written document that details the method for an operation, analysis, or action with thoroughly prescribed techniques and steps. |
| Standard Reference Material (SRM) | A certified reference material produced by the US NIST or other equivalent organization and characterized for absolute content, independent of analytical method. |

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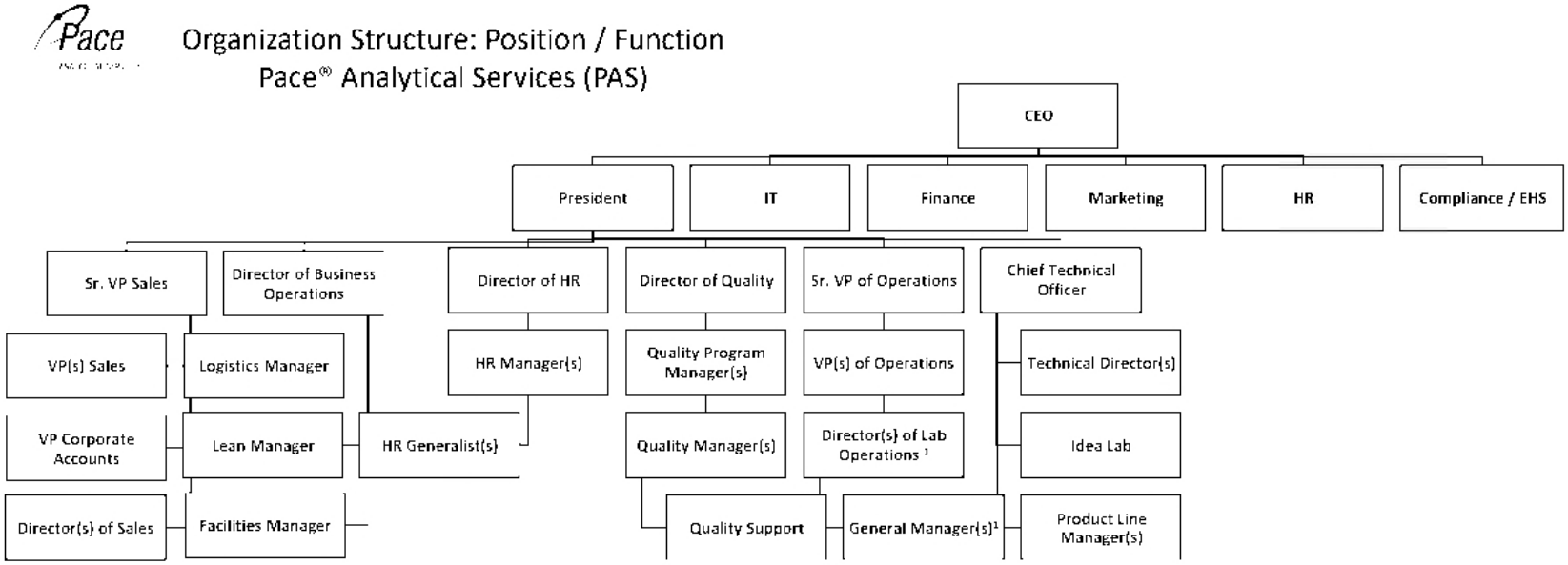
| | |
|---|---|
| Stock Standard | A concentrated reference solution containing one or more analytes prepared in the laboratory using an assayed reference compound or purchased from a reputable commercial source. |
| Storage Blank | A sample of analyte-free media prepared by the laboratory and retained in the sample storage area. |
| Suitability | The quality of being appropriate for a particular purpose. |
| Surrogate | A substance with properties that mimic the analyte of interest, and unlikely to be found in environmental samples. |
| Systems Audit | An on-site inspection or assessment of a laboratory's quality system. |
| Target Analytes | Analytes or chemicals of primary concern identified by the customer on a project-specific basis. |
| Technology | A specific arrangement of analytical instruments, detection systems, and/or preparation techniques. |
| Traceability | The ability to trace the history of measuring equipment to national or international standards, primary standards, basic physical conditions or properties, or reference materials. |
| Trip Blank | A cleaned sample container filled with laboratory reagent water that is stored, shipped, and analyzed with its associated samples to detect sample contamination during transport and storage of the sample. |
| Tuning | A check and/or adjustment of instrument performance for mass spectrometry as required by the method. |
| Validation | The confirmation by examination and provision of objective evidence that the particular requirements for a specific intended use are fulfilled. |
| Verification | Confirmation by examination and objective evidence that specified requirements have been met. In connection with the management of measuring equipment, verification provides a means for checking that the deviations between values indicated by a measuring instrument and corresponding known values of a measured quantity are consistently smaller than the maximum allowable error defined in a standard, regulation, or specification peculiar to the management of the measuring equipment. |
| Working Standard | Dilution made of a stock or intermediate standard used in the analytical process. |

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## 7.4 Appendix D: Organization Chart(s)

### 7.4.1 PAS Corporate Organization Chart(s)

*The information in this organization chart is subject to change. Please contact PAS for the most up-to-date version.*

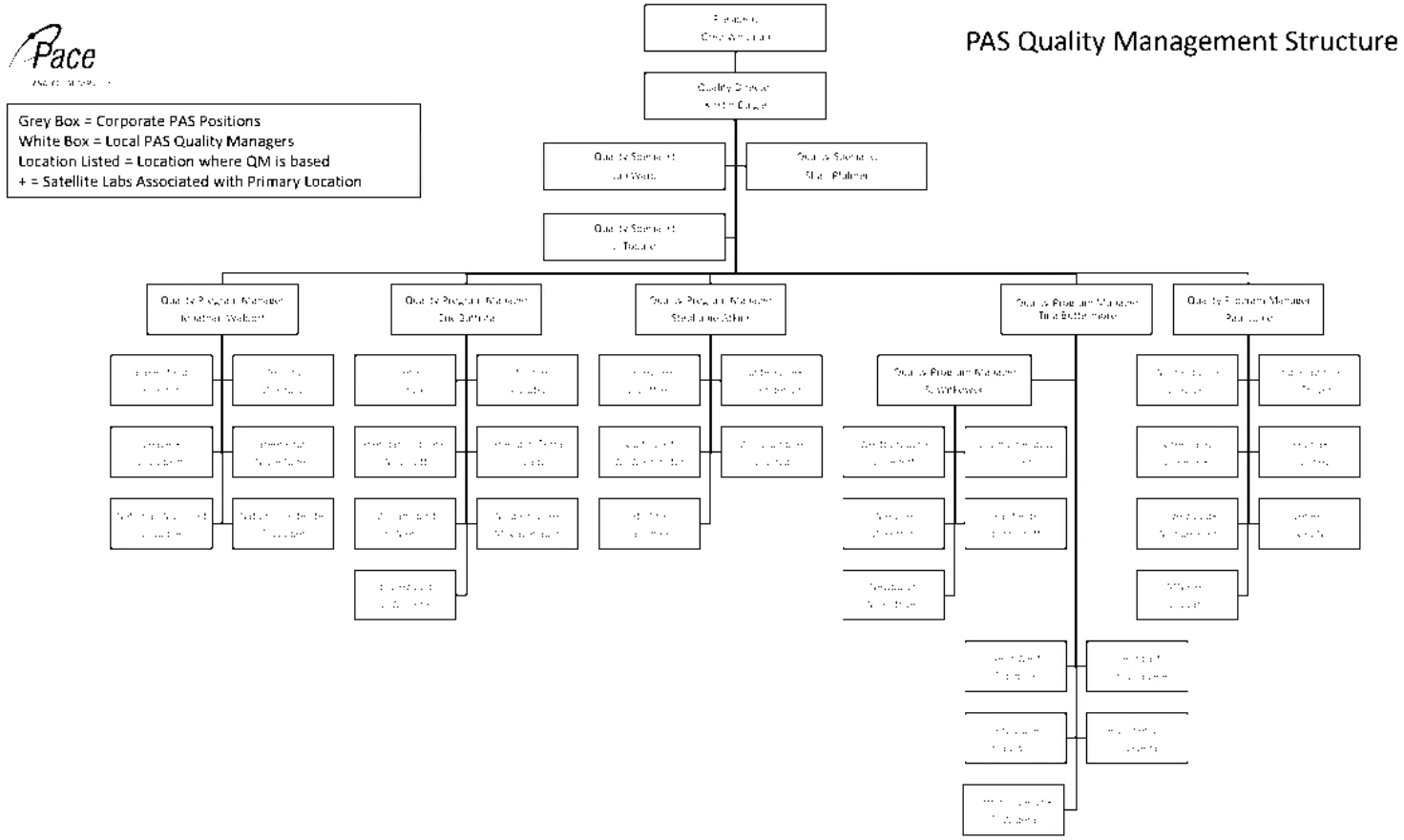



White Box = PAS Positions / Functions
Grey Box = Pace® Corporate Positions / Functions
1= Positions not Assigned to all Locations – see location specific organization charts

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### 7.4.2 PAS Quality Systems Management Organization Chart

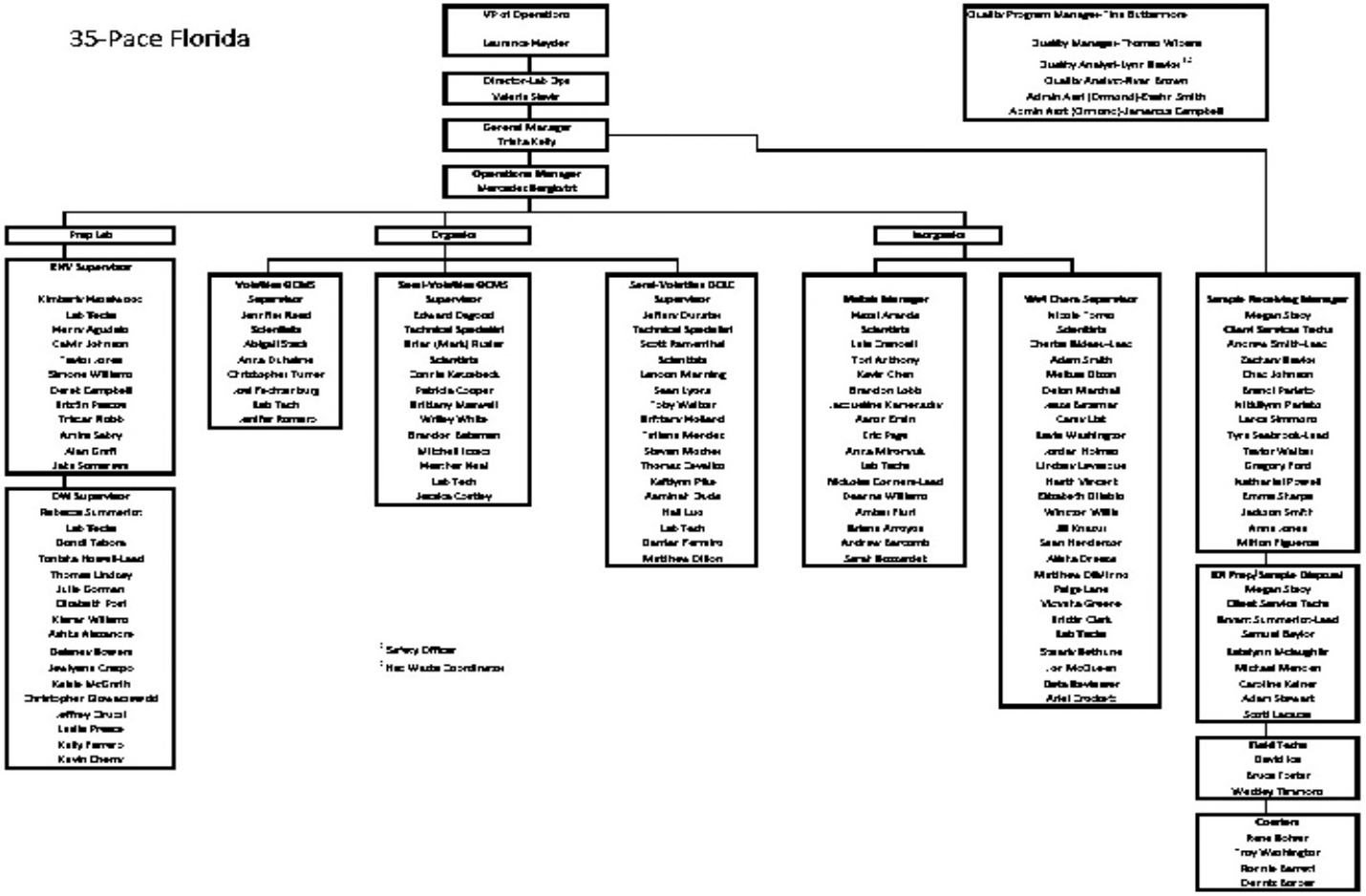
*The information in this organization chart is subject to change. Please contact PAS for the most up-to-date version.*



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### 7.4.3 Ormond Beach – Organization Chart

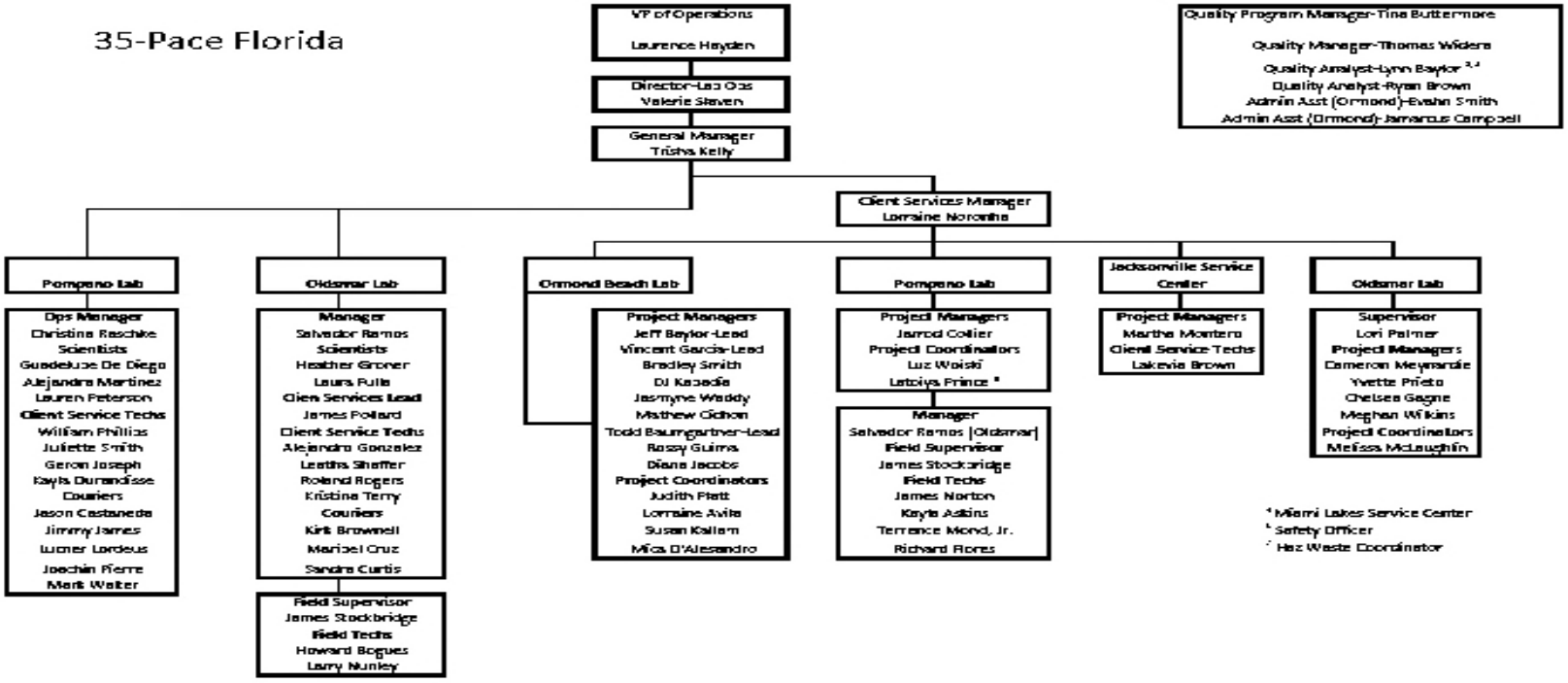
*The information in this organization chart is subject to change. Please contact PAS for the most up-to-date version.*



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### 7.4.1 Pompano Beach & Oldsmar Beach – Organization Chart

*The information in this organization chart is subject to change. Please contact PAS for the most up-to-date version.*



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## 7.5 Appendix E: Equipment Listing

The equipment listed represents equipment were held by each location on the effective date of this manual. This information is subject to change without notice. External parties should contact the location for the most current information.

### 7.5.1 PAS- Ormond Beach

**Equipment List: PAS- Ormond Beach**

| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Top Load | OHAUS | SPX222 | C126030619 | 2021 | New | Building 6 | 35BALS | Online |
| Top Load | OHAUS | SPX222 | C119752505 | 2021 | New | Building 6 | 35BALT | Online |
| Refrigerated Trailer | Unknown | Unknown | Unknown | 2021 | Used | Building 6 | WI-7 | N/A |
| Refrigerator, Commercial | Everest | ESR2 | BSR2- 02080066 | 2016 | New | Building 6 | RF-35 | N/A |
| Walk In Cooler | American Cold Storage | ACS100 | 11137 | 2017 | Used | Building 6 | TPA-28 | N/A |
| BT Dispenser SR-D1 | Brand Tech | Dispensette S | 19F79257 | Unkno wn | New | Client Services | SR-D1 | Online |
| Pipette CS-EDA | Thermo Scientific | Finnpipette F2 | TU25040 | Unkno wn | New | Client Services | CS-EDA | Online |
| Pipette CS-HEX | Eppendorf | Research Plus | O23734I | Unkno wn | New | Client Services | CS-HEX | Online |
| Walk In Cooler | Unknown | Custom Built | Unknown | 2008 | New | Client Services | WI-4 | N/A |
| Walk In Cooler | Unknown | Custom Built | Unknown | 2017 | New | Client Services | WI-5 | N/A |
| Walk In Cooler | Unknown | Custom Built | Unknown | 2017 | New | Client Services | WI-6 | N/A |
| 3-D Orbital Shaker | Glas-Col | SR3616-746-7-56C | N/A | 2008 | used | Extractions | OP-2 | N/A |
| 3-D Orbital Shaker | Glas-Col | SR3616-746-7-56C | N/A | 2008 | used | Extractions | OP-3 | N/A |
| Auto Extractor | FMS | EZPFC | EZPFC-529 | 2019 | New | Extractions | OP-67 | Online |
| Auto Extractor | FMS | EZ SPE | EZSPE-560 | 2021 | New | Extractions | OP-78 | N/A |
| Auto Extractor | FMS | EZ SPE | EZSPE-561 | 2021 | New | Extractions | OP-79 | N/A |
| Automated Extractor | Promochrom | SPE-03 | 202209011 | 2022 | New | Extractions | OP-85 | at instrument |
| Automated Extractors | Promochrom | SPE-03 | 202209014 | 2022 | New | Extractions | OP-84 | at instrument |
| Centrifuge | Becton Dickinson | N/A | 4580073 | 2011 | used | Extractions | OP-22 | N/A |
| Dishwashers | Whilrpool | DU1014XTX T2 | F10701901 | 2011 | New | Extractions | N/A | at instrument |
| Dishwashers | Whilrpool | DU1014XTX T1 | F03601122 | 2011 | New | Extractions | N/A | at instrument |
| Drying Oven | QL | N/A | 9704266 | 2011 | used | Extractions | OP-23 | N/A |
| Drying Oven | Thermo Scientific | Isotemp 180L | 42887237 | 2022 | New | Extractions | OP-80 | Online |
| Freezer, small | Kenmore | N/A | 415286 | 2011 | Used | Extractions | FR-7 | N/A |
| Drying Oven | Baxter | DK-63 | A2000035 | 2012 | used | Extractions | OP-33 | Online |
| Drying Oven | VWR | Catalog# 97027-668 | N/A | 2008 | used | Extractions | OP-5 | N/A |
| Isotemp 180L Oven | Thermo Scientific | Isotemp Gravity | 42468215 | 2019 | New | Extractions | OP-63 | Online |
| Micro Extraction Shaker | Eberback Corporation | 6010 | 90921 | 2008 | used | Extractions | OP-21 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Microwave | CEM | MARS 5 | MJ6822 | 2017 | New | Extractions | OP-52 | Online |
| Microwave | CEM | MARS 6 | MY2182 | 2021 | New | Extractions | OP-77 | At instrument |
| Muffle Furnace, Type 6000 | Thermolyne | F6010 | 40800800 | 2011 | used | Extractions | OP-29 | N/A |
| N-EVAP | Organomation | 13165 | 62697 | 2019 | New | Extractions | OP-64 | Online |
| N-EVAP | Organomation | 13165 | 63613 | 2020 | New | Extractions | OP-71 | N/A |
| pH Meter | Oakton | pHTestr 10 | 2386843 | 2015 | New | Extractions | OP-36 | N/A |
| pH meter | fisher | AP110 | 2475461 | 2016 | New | Extractions | OP-37 | N/A |
| pH Meter | Fischer Scientific | AB 250 | AB92356370 | 2021 | New | Extractions | 35EXT2 | N/A |
| pH Meter | Fisher | 13-636-AB250 | AB92356806 | 2021 | New | Extractions | 35EXT3 | At instrument |
| pH meter probe | Fisher Brand | 13-620-631 | VAS 1 10409 | 2022 | New | Extractions | OP-83 | Online |
| pH Probe | fisher | AP50A | 2476871046 | 2016 | New | Extractions | OP-38 | N/A |
| pH Probe | Fischer Scientific | Accument | 2625167 | 2017 | New | Extractions | OP-59 | N/A |
| pH Probe | Fischer Scientific | Accument | VXQ1 13211 | 2019 | New | Extractions | OP-69 | N/A |
| pH Probe | Fischer Scientific | 13-620-631 | VYT1 6803 | 2021 | New | Extractions | OP-73 | N/A |
| pH Probe | Fischer Scientific | 13-620-631 | VZZ1 0574 | 2021 | New | Extractions | OP-74 | N/A |
| pH Probe | Fisher | 13-620-631 | 2995536 | 2021 | New | Extractions | OP-76 | N/A |
| Refrigerator, Commercial | True Manuf. Company | T-72 | 7627218 | 2021 | Used | Extractions | RF-51 | N/A |
| Semi Auto Extractor | FMS | EZPFC | EZPFC-529 | 2019 | New | Extractions | OP-68 | Online |
| Separatory Funnel Rotator | Custom Built | N/A | N/A | 2011 | New | Extractions | OP-28 | N/A |
| Soil Extraction Microwave Oven | CEM | MARS 5 | MD2550 | 2009 | New | Extractions | OP-19 | Online |
| Sonicator | Branson | Ultrasonic Bath M2800 | BGE1021805 80B | 2022 | New | Extractions | OP-82 | Online |
| Sulfate Oven | Baxter | DR-63 | A2000055 | 2012 | used | Extractions | OP-32 | Online |
| Top Load | Mettler Toledo | PB602-S | 1129012540 | 2017 | Used | Extractions | 35BALF | Online |
| Top Load | Mettler-Toledo | ME2002E | B841552581 | 2019 | New | Extractions | 35BALP | Online |
| Top Load | Mettler-Toledo | ME2002E | B928925919 | 2019 | New | Extractions | 35BALQ | Online |
| Turbovap | Biotage | Turbovap II | 204902021 | 2021 | new | Extractions | OP-75 | Online |
| Waterbath | Thermo Fisher | TSCIR19 | 300157774 | 2017 | New | Extractions | OP-54 | Online |
| Waterbath | Fischer Scientific | TSCIR19 | 300415052 | 2020 | New | Extractions | OP-72 | N/A |
| Waterbath | Thermo Fisher | TSCIR19 | 300506850 | 2022 | New | Extractions | OP-81 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 17-5458 | 2017 | New | Extractions | OP-50 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 17-5457 | 2017 | New | Extractions | OP-51 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 17-5480 | 2017 | New | Extractions | OP-56 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 17-559 | 2018 | New | Extractions | OP-60 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 19-5649 | 2019 | New | Extractions | OP-61 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 16-5374 | 2019 | Used | Extractions | OP-62 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 19-5668 | 2019 | New | Extractions | OP-65 | Online |
| Xcel Vap | Horizon Tech. | Xcel Vap | 19-5685 | 2019 | New | Extractions | OP-66 | Online |
| Agilent 7900 ICPMS | Agilent Technologies | 7900 | JP180162199 | 2018 | New | Metals | 35ICM4 | V:\METALS |
| Analytical Balance | Sartorius | Entris 124I-1S | 34105158 | 2016 | New | Metals | 35BALD | Online |
| Analytical Balance | Sartorius | Entris 224-1S | 35606417 | 2018 | New | Metals | 35BALL | Online |
| Autosampler | Teledyne Leeman Labs | ASX-560 | 51705560 | 2017 | New | Metals | 35HG4-1 | V:\METALS |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Autosampler | Agilent Technologies | SP54 | AU17353667 | 2018 | New | Metals | 35ICM4-1 | V:\METALS |
| Autosampler | ESI | 4DX | X4DXX- 190706 | 2020 | New | Metals | 35ICM6-2 | V:\METALS |
| Autosampler | Agilent Technologies | SP54 | AU17333557 | 2018 | New | Metals | 35ICP5-1 | V:\METALS |
| Autosampler | Agilent Technologies | SP54 | AU17423925 | 2018 | New | Metals | 35ICP6-1 | V:\METALS |
| Autosampler | CETAC | ASX-560 | 042135A560 | 2021 | New | Metals | 35ICP7-1 | At instrument |
| Centrifuge | Garver MFG. | Electrifuge | 21210366 | 2016 | Used | Metals | MET-21 | N/A |
| Chiller | Neslab | ThermoFlex 900 | _1171162201 200714 | 2021 | New | Metals | 35ICP7-2 | At instrument |
| Chiller | Polyscience | NO772046 | 1911-01642 | 2020 | New | Metals | MET-45 | N/A |
| Chiller | Agilent Technologies | G3292-80200 | 2005-00859 | 2020 | New | Metals | MET-47 | N/A |
| Dessicator | Fisher Scientific | N/A | N/A | 2015 | Used | Metals | MET-17 | N/A |
| Dessicator | Homemade | Homemade | Homemade | 2018 | New | Metals | MET-33 | N/A |
| Digiprobe | SCP Science | Digi Prep Digiprobe | N/A | 2019 | New | Metals | HotBlock-15 | V:\METALS |
| Hot Block 10 | Accuscience | Q Block | QB17035 | 2017 | New | Metals | HotBlock-10 | V:\METALS |
| Hot Block 11 | AGS Scientific | Durablock (9x8 50mL) | QB17041 | 2017 | Used | Metals | HotBlock-11 | V:\METALS |
| Hot Block 12 | Environmental Express | SC154 | 944CEC1030 | 2017 | Used | Metals | HotBlock-12 | V:\METALS |
| Hot Block 13 | Environmental Express | SC154 | 9150CECW3 999 | 2018 | New | Metals | HotBlock-13 | V:\METALS |
| Hot Block 14 | SCP Science | DigiPREP LS | LSX1019120 357 | 2019 | New | Metals | HotBlock-14 | V:\METALS |
| Hot Block 15 | SCP Science | DigiPREP LS | LSX1019170 365 | 2019 | New | Metals | HotBlock-15 | V:\METALS |
| Hot Block 9 | Environmental Express | SC154 | 615CEC0840 | 2014 | Used | Metals | HotBlock-9 | V:\METALS |
| ICAP ICPMS | Thermo Scientific | iCAP RQ ICP-MS | ICAPRQ021 26 | 2020 | New | Metals | 35ICM6 | V:\METALS |
| ICP-AES | Agilent Technologies | 5110 | MY18010001 | 2018 | New | Metals | 35ICP5 | V:\METALS |
| ICP-MS | Thermo Scientific | iCAP RQ | ICAPRQ033 81 | 2022 | New | Metals | 35ICM7 | online |
| ICP-OES | Agilent Technologies | 5110 | MY18190002 | 2018 | New | Metals | 35ICP6 | V:\METALS |
| ICP-OES | Thermo Scientific | iCAP Pro Series XP Duo | iCAPPRO60 257 | 2021 | New | Metals | 35ICP7 | At instrument |
| Keypad Controller | SCP Science | Digi Prep Keypad | KPX1019204 135 | 2019 | New | Metals | HotBlock-15 | V:\METALS |
| Mercury Analyzer | Teledyne Leeman Labs | M7600 | US16364001 | 2017 | New | Metals | 35HG4 | V:\METALS |
| Outlet Controller | Fisher Scientific | 06-662-24 | 210754615 | 2022 | New | Metals | MET-49 | N/A |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Outlet Controller | Fisher Scientific | 06-662-24 | 210754617 | 2022 | New | Metals | MET-48 | N/A |
| Oven | VWR | 414004-570 | N/A | 2014 | Used | Metals | MET-26 | N/A |
| PE ICP-AES | Perkin Elmer | Optima 7300 DV | 077C0061701 | 2015 | Used | Metals | 35ICP4 | V:\METALS |
| pH Meter | Fisher Scientific | AB250 | AB92350588 | 2017 | New | Metals | 35META | V:\METALS |
| pH Probe | Fisher Scientific | 13-620-631 | VYX13563 | 2020 | New | Metals | MET-46 | N/A |
| Pmoist Oven | Sheldon Mfg. | VWR 1350 FM | 12008804 | 2015 | Used | Metals | MET-18 | N/A |
| Recirculating Chiller | Agilent Technologies | G8481 | 1712-00446 | 2018 | New | Metals | 35ICP5-2 | V:\METALS |
| Recirculating Chiller | Agilent Technologies | G8481A | 1801-01935 | 2018 | New | Metals | 35ICP6-2 | V:\METALS |
| Shaker | Heidolph | Vibramax 100 | 2.00138E+12 | 2019 | Used | Metals | MET-43 | N/A |
| Sonicator (ICPMS) | Fisher Scientific | 15337403 | BXD0518703 00B | 2018 | New | Metals | MET-34 | N/A |
| Stir Plate | Fisher Scientific | 11520165 | C1926161216 274 | 2018 | New | Metals | MET-32 | N/A |
| Timer | Fisher Scientific | 06-662-24 | 170092807 | 2017 | New | Metals | MET-22 | N/A |
| Timer | Fisher Scientific | 06-662-24 | 170092812 | 2017 | New | Metals | MET-24 | N/A |
| Timer | Fisher Scientific | 06-662-24 | 170092814 | 2017 | New | Metals | MET-25 | N/A |
| Timer | Fisher Scientific | 06-662-24 | 181589747 | 2018 | New | Metals | MET-38 | N/A |
| Timer | Fisher Scientific | 06-662-24 | 181817351 | 2019 | New | Metals | MET-40 | N/A |
| Timer | Fisher Scientific | 06-662-24 | 181817346 | 2019 | New | Metals | MET-41 | N/A |
| Top Load | Sartorius | Practum 5101-1S | 37050117 | 2020 | New | Metals | 35BALR | Online |
| Tumbler | Analytical Testing Corp. | 42R5BFCI-E3 | 0685H5HD0001 | 2017 | Used | Metals | MET-29 | N/A |
| Tumbler | Environmental Express | LE 1002 | GF18N060- BMYJIC | 2019 | New | Metals | MET-39 | N/A |
| Turbidimeter | La Motte | 2020we | 5063 | 2014 | New | Metals | MET-15 | At instrument |
| Turbidimeter | Thermo | Orion AQ3010 | 2784691 | 2018 | New | Metals | MET-35 | At instrument |
| Turbidimeter | LaMotte | 2020 WE | 99843518 | 2018 | New | Metals | MET-36 | At instrument |
| Ultrasonic Cleaner | Sinosonic Industrial Co. | B200 | 37019 | 2017 | New | Metals | MET-30 | N/A |
| Vacuum Pump | Leybold | SOGEVAC | NPRO7234F 19006 | 2020 | New | Metals | 35ICM6-1 | V:\METALS |
| Waterbath | N/A | N/A | N/A | 2019 | Used | Metals | MET-42 | N/A |
| Top Load | Sartorius | Practum 2102-1S | 29308255 | 2013 | New | TCLP | 35BALA | Online |
| BT Dispenser HgD-12 | Brand Tech | Dispensette S | 17L40922 | Unkno wn | New | Metals | HgD-12 | Online |
| BT Dispenser HgD-5 | Brand Tech | Dispensette | N/A | Unkno wn | New | Metals | HgD-5 | Online |
| BT Dispenser HgD-8 | Brand Tech | Dispensette | 01L99245 | Unkno wn | New | Metals | HgD-8 | Online |
| BT Dispenser HgD-9 | Brand Tech | Dispensette | 07J25790 | Unkno wn | New | Metals | HgD-9 | Online |
| BT Dispenser MD-10 | Brand Tech | Dispensette S | 17B11317 | Unkno wn | New | Metals | MD-10 | Online |
| BT Dispenser MD-12 | Brand Tech | Dispensette S | 17L40932 | Unkno wn | New | Metals | MD-12 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| BT Dispenser MD-14 | Brand Tech | Dispensette S | 18K34401 | Unkno wn | New | Metals | MD-14 | Online |
| BT Dispenser MD-16 | Brand Tech | Dispensette S | 19D58406 | Unkno wn | New | Metals | MD-16 | Online |
| BT Dispenser MD-18 | Brand Tech | Dispensette S | 20M95070 | Unkno wn | New | Metals | MD-18 | Online |
| BT Dispenser MD-6 | Brand Tech | Dispensette | O1K99283 | Unkno wn | New | Metals | MD-6 | Online |
| BT Dispenser P-114 | Brand Tech | Dispensette S | P56103I | Unkno wn | New | Metals | P-114 | Online |
| Pipette M15A | Thermo Scientific | Finnpipette F2 | MU43593 | Unkno wn | New | Metals | M15A | Online |
| Pipette M16A | Thermo Scientific | Finnpipette F2 | MU43406 | Unkno wn | New | Metals | M16A | Online |
| Pipette M17A | Thermo Scientific | Finnpipette F2 | NU13473 | Unkno wn | New | Metals | M17A | Online |
| Pipette M20A | Thermo Scientific | Finnpipette F2 | NU13352 | Unkno wn | New | Metals | M20A | Online |
| Pipette M21A | Thermo Scientific | Finnpipette F2 | NU13347 | Unkno wn | New | Metals | M21A | Online |
| Pipette M22A | Thermo Scientific | Finnpipette F2 | NU13354 | Unkno wn | New | Metals | M22A | Online |
| Pipette M29A | Thermo Scientific | Finnpipette F2 | NU17270 | Unkno wn | New | Metals | M29A | Online |
| Pipette M31A | Thermo Scientific | Finnpipette F3 | OU26902 | Unkno wn | New | Metals | M31A | Online |
| Pipette M32A | Thermo Scientific | Finnpipette F2 | OU27809 | Unkno wn | New | Metals | M32A | Online |
| Pipette M33A | Thermo Scientific | Finnpipette F2 | OU29990 | Unkno wn | New | Metals | M33A | Online |
| Pipette M38A | Thermo Scientific | Finnpipette | U63482 | Unkno wn | New | Metals | M38A | Online |
| Pipette M39A | Thermo Scientific | Finnpipette F2 | PU16855 | Unkno wn | New | Metals | M39A | Online |
| Pipette M41A | Thermo Scientific | Finnpipette F2 | PU23679 | Unkno wn | New | Metals | M41A | Online |
| Pipette M42A | Thermo Scientific | Finnpipette F2 | PU36980 | Unkno wn | New | Metals | M42A | Online |
| Pipette M44A | Thermo Scientific | Finnpipette F2 | QU07864 | Unkno wn | New | Metals | M44A | Online |
| Pipette M45A | Thermo Scientific | Finnpipette F2 | QU18589 | Unkno wn | New | Metals | M45A | Online |
| Pipette M46A | Eppendorf | Research Plus | P32816J | Unkno wn | New | Metals | M46A | Online |
| Pipette M47A | Thermo Scientific | Finnpipette F2 | RU33017 | Unkno wn | New | Metals | M47A | Online |
| Pipette M48A | Thermo Scientific | Finnpipette F2 | SU27780 | Unkno wn | New | Metals | M48A | Online |
| Pipette M49A | Thermo Scientific | Finnpipette F2 | QU06976 | Unkno wn | New | Metals | M49A | Online |
| Pipette M50A | Eppendorf | Research Plus | R31869K | Unkno wn | New | Metals | M50A | Online |
| Pipette M51A | Eppendorf | Research Plus | R31721K | Unkno wn | New | Metals | M51A | Online |
| Centrifuge | Garver MFG. | Model 5 | 12329 | 1995 | Used | Metals Prep | MT-6 | N/A |
| Hot Block 7 | SCP | DigiPrep LS | LSX0313260 179 | 2013 | New | Metals Prep | HotBlock-7 | V:\METALS |
| Hot Block 7 Keypad | SCP | DigiPrep Keypad | KPX1020384 560 | 2020 | New | Metals Prep | HotBlock-7 | V:\METALS |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Hot Block 8 | SCP | DigiPrep LS | LSX0313260 180 | 2013 | New | Metals Prep | HotBlock-8 | V:\METALS |
| Hot Block 8 Keypad | SCP | DigiPrep Keypad | KPX0613152 239 | 2013 | New | Metals Prep | HotBlock-8 | V:\METALS |
| Magnetic Stirrer | Thermolyne | Cimerec 2 | 638930908548 | 1995 | New | Metals Prep | Stirrer | N/A |
| Magnetic Stirrer/Hot Plate | Thermo | SP131325 | 1.76809E+12 | 2016 | New | Metals Prep | Stirrer/Hot Plate | N/A |
| Stir Plate | Thermo Scientific | RT Basic 17 | J4KT09121 | 2019 | Used | Metals Prep | MET-44 | N/A |
| TCLP filtration vessel | Associated Design Mfg,Co | 3750-LHWF | NONE | 1990 | New | Metals Prep | TCLP vessel | N/A |
| Tumbler | Environmental Express | Rotation Tumbler | N/A | 2011 | Used | Metals Prep | MT-3 | N/A |
| Tumbler | Environmental Express | Rotation Tumbler | 2826-12-445 | 2010 | Used | Metals Prep | MT-8 | N/A |
| Tumbler | Environmental Express | N/A | N/A | 2021 | Used | Metals Prep | MT-10 | N/A |
| Top Load | OHAUS | SPX222 | B710801142 | 2017 | New | PMOIST | 35BALJ | Online |
| Pipette PMB1 | Thermo Scientific | Finnpipette F2 | RU00768 | Unkno wn | New | Microbiology | PMB1 | Online |
| Pipette PMB2 | Thermo Scientific | Finnpipette F2 | OU30114 | Unkno wn | New | Microbiology | PMB2 | Online |
| Pipette WC11-R5A | Eppendorf | Repeater M4 | K18510H | Unkno wn | New | Microbiology | WC11-R5A | Online |
| BT sure Incubator | Barnstead/Thermolyne | DB104115 | 1.04101E+12 | 2008 | Used | Microbiology | MB-3 | N/A |
| Incubator | Thermo Scientific | PR205075M | 300393784 | 2020 | new | Microbiology | MB-14 | N/A |
| Incubator MB-1Rt and MB-1Lt | VWR | 1555 | 3008704 | 2008 | Used | Microbiology | MB-1 | N/A |
| Microscope | Sargent-Welch | 411 TBL | 50780355 | 2011 | New | Microbiology | MB-11 | N/A |
| Quanti Tray Sealer | Idexx | Plus | QTP1315470 0379 | 2016 | New | Microbiology | MB-12 | N/A |
| Recirculating Water Bath | Precision/Thermo Scientific | 2868 | 209186-388 | 2010 | New | Microbiology | MB-10 | N/A |
| Recirculating Water Bath | Thermo Scientific | TSCIR 35 | 300195158 | 2018 | New | Microbiology | MB-13 | N/A |
| Refrigerator/Freezer Full size | GE | Eterna Series | 415162 | 2011 | Used | Microbiology | RF-32F | N/A |
| Refrigerator/Freezer Full size | GE | Eterna Series | 415162 | 2011 | Used | Microbiology | RF-32R | N/A |
| Refrigerator/Freezer Full size | Fridgidaire | FFTR1814TWB | BA94616625 | 2020 | New | Microbiology | RF-46R | N/A |
| BT Dispenser P-116 | Brand Tech | Dispensette S | 19D57636 | Unkno wn | New | Extractions | P-116 | Online |
| BT Dispenser P-121 | Brand Tech | Dispensette S | 19K63914 | Unkno wn | New | Extractions | P-121 | Online |
| BT Dispenser P-125 | Brand Tech | Dispensette S | 20D52610 | Unkno wn | New | Extractions | P-125 | Online |
| BT Dispenser P-126 | Brand Tech | Dispensette S | 19M86048 | Unkno wn | New | Extractions | P-126 | Online |
| BT Dispenser P-127 | Brand Tech | Dispensette S | 19M86080 | Unkno wn | New | Extractions | P-127 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| BT Dispenser P-128 | Brand Tech | Dispensette S | 20F95264 | Unkno wn | New | Extractions | P-128 | Online |
| BT Dispenser P-129 | Brand Tech | Dispensette S | 20C43372 | Unkno wn | New | Extractions | P-129 | Online |
| BT Dispenser P-131 | Brand Tech | Dispensette S | 20G34118 | Unkno wn | New | Extractions | P-131 | Online |
| BT Dispenser P-132 | Brand Tech | Dispensette S | 20J50791 | Unkno wn | New | Extractions | P-132 | Online |
| BT Dispenser P-133 | Brand Tech | Dispensette S | O53096J | Unkno wn | New | Extractions | P-133 | Online |
| BT Dispenser P-134 | Brand Tech | Dispensette S | O53110J | Unkno wn | New | Extractions | P-134 | Online |
| BT Dispenser P-137 | Brand Tech | Dispensette S | 19K53826 | Unkno wn | New | Extractions | P-137 | Online |
| BT Dispenser P-138 | Brand Tech | Dispensette S | 20E84673 | Unkno wn | New | Extractions | P-138 | Online |
| BT Dispenser P-140 | Brand Tech | Dispensette S | 21C35454 | Unkno wn | New | Extractions | P-140 | Online |
| BT Dispenser P-173 | Brand Tech | Dispensette S | 21J40507 | Unkno wn | New | Extractions | P-173 | Online |
| BT Dispenser P-175 | Brand Tech | Dispensette S | 21J32834 | Unkno wn | New | Extractions | P-175 | Online |
| BT Dispenser P-177 | Brand Tech | Dispensette S | 21K63140 | Unkno wn | New | Extractions | P-177 | Online |
| BT Dispenser P-24 | Brand Tech | Dispensette | 16A06143 | Unkno wn | New | Extractions | P-24 | Online |
| BT Dispenser P-52 | Brand Tech | Dispensette | 17G71857 | Unkno wn | New | Extractions | P-52 | Online |
| BT Dispenser P-62 | Brand Tech | Dispensette | 17J98694 | Unkno wn | New | Extractions | P-62 | Online |
| BT Dispenser P-70 | Brand Tech | Dispensette | 18A53271 | Unkno wn | New | Extractions | P-70 | Online |
| BT Dispenser P-78 | Brand Tech | Dispensette S | 18G65234 | Unkno wn | New | Extractions | P-78 | Online |
| BT Dispenser P-88 | Brand Tech | Dispensette S | 18M84254 | Unkno wn | New | Extractions | P-88 | Online |
| BT Dispenser P-93 | Brand Tech | Dispensette S | 19C44678 | Unkno wn | New | Extractions | P-93 | Online |
| BT Dispenser P-94 | Brand Tech | Dispensette S | 19C44674 | Unkno wn | New | Extractions | P-94 | Online |
| BT Dispenser P-95 | Brand Tech | Dispensette S | 19D55110 | Unkno wn | New | Extractions | P-95 | Online |
| BT Dispenser P-99 | Brand Tech | Dispensette S | 17H85007 | Unkno wn | New | Extractions | P-99 | Online |
| Pipette P-100 | Elite | Fisherbrand | QU26935 | Unkno wn | New | Extractions | P-100 | Online |
| Pipette P-104 | Eppendorf | Research Plus | G54579H | Unkno wn | New | Extractions | P-104 | Online |
| Pipette P-142 | Fisherbrand | Fisher brand elite | SU18004 | Unkno wn | New | Extractions | P-142 | Online |
| Pipette P-172 | Fisherbrand | Fisher brand elite | TU03491 | Unkno wn | New | Extractions | P-172 | Online |
| Pipette P-90 | Eppendorf | Research Plus | R34310H | Unkno wn | New | Extractions | P-90 | Online |
| Pipette P-91 | Eppendorf | Research Plus | O22703H | Unkno wn | New | Extractions | P-91 | Online |
| Analytical Balance | Mettler | XS204 | 1126082560 | 2014 | Used | Semi-Volatile | 35BALK | Online |
| 1290 High Speed Pump | Thermo Scientific | TSQ-46000 | TQU03553 | 2020 | New | Semi-Volatile | 35LC12 | At Instrument |
| 1290 MCT | Agilent | 1100 | US72103268 | 2020 | Used | Semi-Volatile | 35LC12 | At Instrument |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| 1290 Multi Sampler | Agilent | 1100 | DE1114939 | 2020 | Used | Semi-Volatile | 35LC12 | At Instrument |
| 7683 Series Injector | Agilent | 7683 | CN81548175 | 2016 | Used | Semi-Volatile | TOW 73 | N/A |
| Accumet Portable AP110 pH Meter | Agilent | 7683B | CN44721870 | 2015 | Used | Semi-Volatile | SV-2 | N/A |
| ALS | Pickering | PCX5100 | 6163 | 2019 | Used | Semi-Volatile | 35LC10 | Online |
| Autosampler | Agilent | 7890A | CN11271152 | 2017 | used | Semi-Volatile | 35GCSY | N/A |
| Autosampler | Agilent | 1100 | DE92001167 | 2019 | New | Semi-Volatile | 35GS1C/1D | V:\Equipment Manuals |
| Autosampler | Hewlett Packard | 7683 | US90404641 | 2018 | Used | Semi-Volatile | 35MSSH | V:\Equipment Manuals |
| Autosampler | Agilent | 7683 | US93408728 | 2018 | Used | Semi-Volatile | 35MSSI | V:\Equipment Manuals |
| Autosampler | Agilent | 6890 | US01911006 | 2019 | Used | Semi-Volatile | 35MSSJ | V:\Equipment Manuals |
| Autosampler | Agilent | 7683 | US81300607 | 2019 | Used | Semi-Volatile | 35MSSK | V:\Equipment Manuals |
| Degasser | Thermo Scientific | VF-A10-A | 8314614 | 2019 | New | Semi-Volatile | 35LC10 | Online |
| Freezer | GE | FUF14DLRWW | 340- F4850501-2317-1320010 | 2022 | New | Semi-Volatile | FR-19 | Online |
| GC/Dual ECD | Agilent | 6890N | CN10424076 | 2011 | Used | Semi-Volatile | 35GCSB | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 6890N | US10249082 | 2011 | Used | Semi-Volatile | 35GCSC | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 6890 | CN10443027 | 2011 | Used | Semi-Volatile | 35GCSK | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 7890A | CN1090325 | 2011 | Used | Semi-Volatile | 35GCSN | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 6890N | US10143115 | 2011 | Used | Semi-Volatile | 35GCSO | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 6890N | US10650013 | 2014 | Used | Semi-Volatile | 35GCSR | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 6890 | CN10409041 | 2015 | Used | Semi-Volatile | 35GCSU | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 7693 | CN18250078 | 2016 | New | Semi-Volatile | 35GCSX | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | G4513A | CN18330168 | 2017 | New | Semi-Volatile | 35GCSY | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 1100 | US54000719 | 2020 | Used | Semi-Volatile | 35GS01 | V:\Equipment Manuals |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| GC/Dual ECD | Agilent | 1100 | US64401301 | 2021 | Used | Semi-Volatile | 35GS02 | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 1100 | JP63204068 | 2021 | Used | Semi-Volatile | 35GS03 | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 7890A | CN10950127 | 2018 | New | Semi-Volatile | 35GS1B | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | G7116B | DEBA40501 5 | 2019 | New | Semi-Volatile | 35GS1E | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 8890 | US2127A042 | 2021 | New | Semi-Volatile | 35GS04 | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 7890A | CN10950127 | 2018 | New | Semi-Volatile | 35GS1B | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | G7116B | DEBA40501 5 | 2019 | New | Semi-Volatile | 35GS1E | V:\Equipment Manuals |
| GC/Dual ECD | Agilent | 8890 | US2127A042 | 2021 | New | Semi-Volatile | 35GS04 | V:\Equipment Manuals |
| GC/Dual FID | Agilent | 6890 | US00033805 | 2011 | Used | Semi-Volatile | 35GCSF | V:\Equipment Manuals |
| GC/Dual FID | Agilent | G4513A | CN18330190 | 2016 | New | Semi-Volatile | 35GCSW | V:\Equipment Manuals |
| GC/Dual FID | Agilent | 8890 | US2011A006 | 2017 | New | Semi-Volatile | 35GCSZ | V:\Equipment Manuals |
| GC/Dual FID | Agilent | 7683 | CN44531139 | 2019 | Used | Semi-Volatile | Semi-Volatile | V:\Equipment Manuals |
| GC/Dual FID | Agilent | 7683 | US81507631 | 2019 | Used | Semi-Volatile | Semi-Volatile | V:\Equipment Manuals |
| GC/ECD | Agilent | 8890 | US2231A050 | 2022 | New | Semi-Volatile | 35GS05 | Online |
| GC/MS | Accumet | Cat#13-620-AP50A | VVU18617 | 2000 | New | Semi-Volatile | 35MSS3 | V:\Equipment Manuals |
| GC/MS | Fisher | Isotemp GPD 10 | 300256258 | 2002 | New | Semi-Volatile | 35MSS4 | V:\Equipment Manuals |
| GC/MS | Thermo Scientific | RT Basic 22 | J7KT11012 | 2011 | New | Semi-Volatile | 35MSS6 | V:\Equipment Manuals |
| GC/MS | Agilent | 18593B | 3033A22926 | 2011 | Used | Semi-Volatile | 35MSS7 | V:\Equipment Manuals |
| GC/MS | Agilent | 5890 | 3538A44142 | 2014 | Used | Semi-Volatile | 35MSSA | V:\Equipment Manuals |
| GC/MS | Agilent | 7683 | CN34733788 | 2015 | Used | Semi-Volatile | 35MSSC | V:\Equipment Manuals |
| GC/MS | Agilent | 7683 | US90304594 | 2016 | Used | Semi-Volatile | 35MSSD | V:\Equipment Manuals |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| GC/MS | Agilent | 7683B | 3538A44142 | 2017 | Used | Semi-Volatile | 35MSSE | V:\Equipment Manuals |
| GC/MS | Hewlett Packard | 7683 | US00411315 | 2019 | Used | Semi-Volatile | 35MSSJ | V:\Equipment Manuals |
| GC/MS | Agilent | 7683 | CN30329148 | 2019 | Used | Semi-Volatile | 35MSSK | V:\Equipment Manuals |
| GC/MS | Agilent | 6890N / 5973N | CN10427040 /US4174659 4 | 2021 | New | Semi-Volatile | 35MSSL | Online |
| GCMS | Agilent | 7683B | CN81548579 | 2018 | Used | Semi-Volatile | 35MSSF | V:\Equipment Manuals |
| GCMS | Agilent | 7683 | US81000323 | 2018 | Used | Semi-Volatile | 35MSSG | V:\Equipment Manuals |
| GCMS | Agilent | 7683 | US01312410 | 2018 | Used | Semi-Volatile | 35MSSH | V:\Equipment Manuals |
| GCMS | Agilent | 7683 | CN24728317 | 2018 | Used | Semi-Volatile | 35MSSI | V:\Equipment Manuals |
| HPLC | Agilent | 1290 Infinity | G7116B | 2021 | New | Semi-Volatile | 35LC13 | Online |
| HPLC | Agilent | 1100 | DE40906576 | 2022 | Used | Semi-Volatile | 35LC15 | online |
| HPLC - FLD | Agilent | 1100 | De23904630 | 2019 | Used | Semi-Volatile | 35LC10 | Online |
| HPLC - FLD | Agilent | 1100 | JP13200758 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| HPLC - FLD | Thermo Scientific | Vanquish UHPLC | 8307681 | 2016 | New | Semi-Volatile | 35LC6 | Online |
| HPLC - FLD | Agilent | 6890N / 5975B | CN10704079 / US65135151 | 2018 | New | Semi-Volatile | 35LC8 | Online |
| HPLC Autosampler | Agilent | 1100 | DE11103102 | 2016 | New | Semi-Volatile | 35LC6 | Online |
| HPLC Autosampler | Agilent | G4514A | CN10020012 | 2018 | Used | Semi-Volatile | 35LC8 | Online |
| HPLC Autosampler | Agilent | 6890 | US19043026 | 2019 | New | Semi-Volatile | 35LC9 | Online |
| HPLC Column Compartment | Agilent | 1100 | DE40926988 | 2016 | New | Semi-Volatile | 35LC6 | Online |
| HPLC Column Compartment | Agilent | 7890B / 5977B | US19043020 / US190212027 | 2018 | New | Semi-Volatile | 35LC8 | Online |
| HPLC Column Compartment | Agilent | G2913A | CN71039338 | 2019 | New | Semi-Volatile | 35LC9 | Online |
| HPLC DAD | Thermo Scientific | Vanquish UHPLC | 6500238 | 2016 | New | Semi-Volatile | 35LC6 | Online |
| HPLC Degasser | Thermo Scientific | Vanquish UHPLC | 8302258 | 2016 | New | Semi-Volatile | 35LC6 | Online |
| HPLC Degasser | Agilent | 7693A | CN18530079 | 2018 | New | Semi-Volatile | 35LC8 | Online |
| HPLC Detector | Agilent | 6890 | US19043026 | 2019 | New | Semi-Volatile | 35LC9 | Online |
| HPLC Post Column Pump | Thermo Scientific | Precision GP28S | 300132033 | 2019 | New | Semi-Volatile | 35LC9 | Online |

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|---|---|---|---|---|---|---|---|---|
| HPLC Pump | Fisher | Accumet Portable AP110 | 2394781 | 2019 | New | Semi-Volatile | 35LC9 | Online |
| HPLC Quat Pump | Pickering | Vanquish UHPLC | 408403 | 2016 | New | Semi-Volatile | 35LC6 | Online |
| HPLC Quat Pump | Agilent | G2614A | CN61439193 | 2018 | New | Semi-Volatile | 35LC8 | Online |
| HPLC_U ALS | Agilent | 1100 | DE23905156 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| HPLC_U Col. Comp. | Agilent | 1100 | DE23923524 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| HPLC_U Degasser | Agilent | Vanquish | US80603442 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| HPLC_U FLD | Agilent | Vanquish | DE9161U59 2 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| HPLC_U PCR | Agilent | Vanquish | 6300338 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| HPLC_U Quat Pump | Agilent | Vanquish | JP94173317 | 2009 | Used | Semi-Volatile | 35LC2 | Online |
| Injector | Agilent | 7890A | CN10950127 | 2019 | New | Semi-Volatile | 35GS1C/1 D | V:\Equipm e nt Manuals |
| Injector | Agilent | G7167B | DEBA50220 6 | 2019 | New | Semi-Volatile | 35GS1C/1 D | V:\Equipm e nt Manuals |
| LC MS/MS | Agilent | 1100 | JP40724205 | 2012 | New | Semi-Volatile | 35LC4 / 35LC11 | At Instrument |
| LC MS/MS Autosampler | Agilent | Vanquish | 8301604 | 2020 | Used | Semi-Volatile | 35LC4 | At Instrument |
| LC MS/MS Column Compartment | Agilent | 1100 | US54000562 | 2020 | New | Semi-Volatile | 35LC4 | At Instrument |
| LC MS/MS Pump | Agilent | Vanquish | DE83105252 | 2020 | Used | Semi-Volatile | 35LC4 | At Instrument |
| LC MS/MS Stack Cooler | Agilent | 1100 | US54001126 | 2012 | New | Semi-Volatile | 35LC4 | At Instrument |
| LCMS | Agilent | G6495C | SG2218D201 | 2022 | New | Semi-Volatile | 35LC14 | Online |
| LCMS | Agilent | G6495C | SG2119D203 | 2021 | New | Semi-Volatile | 35LC13 | Online |
| LCMSMS | Thermo Scientific | TSQ-46000 | 456 | 2020 | New | Semi-Volatile | 35LC12 | At Instrument |
| Magnetic Stirrer | Agilent | 7683 | US04009391 | 2019 | Used | Semi-Volatile | SV-5 | N/A |
| pH Meter | Accumet | AP115 | 3086602 | 2022 | New | Semi-Volatile | SV-6 | Online |
| pH Probe | Agilent | 7683 | 6304115602 | 2017 | Used | Semi-Volatile | SV-3 | N/A |
| Post Column | Thermo Scientific | VH-C10-A | 6504100 | 2019 | New | Semi-Volatile | 35LC10 | Online |
| Quat Pump | Agilent | 1100 | US72101910 | 2019 | Used | Semi-Volatile | 35LC10 | Online |
| Refrigerator | Black + Decker | BCRK25 | 200QT00500 462021873R0 982 | 2022 | New | Semi-Volatile | RF-52 | Online |
| Waterbath | Agilent | 7683 | ISC04054 | 2017 | Used | Semi-Volatile | SV-1 | N/A |
| Waterbath | Agilent | 7683B | CN81047575 | 2019 | Used | Semi-Volatile | SV-4 | N/A |
| Pipette SV15 | Fisherbrand | Elite | MU16457 | Unkno wn | New | SVOA ORB1 | SV15 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Pipette SV-16 | Fisherbrand | Fisher Elite | OU06630 | Unkno wn | New | SVOA ORB1 | SV-16 | Online |
| Pipette SV18 | Fisherbrand | Elite | OU16608 | Unkno wn | New | SVOA ORB1 | SV18 | Online |
| Pipette SV-25 | Thermo Scientific | Finnpipette F2 | SU00658 | Unkno wn | New | SVOA ORB1 | SV-25 | Online |
| Compact Refrigerator | Black & Decker | BCRK25 | 201100041 | 2020 | New | Semi-Volatile | RF-47 | N/A |
| Freezer, Full size | GE | FOF21DLRW | D80-48437202-17824-20086 | 2018 | New | Semi-Volatile | FR-13 | N/A |
| Freezer, Full size | Frigidaire | LFFH20F3QWF | WB81855351 | 2018 | New | Semi-Volatile | FR-14 | N/A |
| Freezer, Full size | Frigidaire | LFFH20F3QWF | WB81756211 | 2018 | New | Semi-Volatile | FR-15 | N/A |
| Freezer, Full size | GE | FUF21DLRDWW | SR598997 | 2021 | New | Semi-Volatile | FR-18 | N/A |
| Refrigerator | Frigidaire | FKCH17F7HWC | WB01350306 | 2014 | Used | Semi-Volatile | RF-34 | N/A |
| Refrigerator | Frigidaire | FKCH17F7HWC | WB01446522 | 2017 | New | Semi-Volatile | RF-36 | N/A |
| Refrigerator | Insignia | NS-CF2CBKC | 17B03W00516 | 2017 | Used | Semi-Volatile | RF-37 | N/A |
| Refrigerator, Commercial | Traulsen | G20010 | T00475K08 | 2019 | Used | Semi-Volatile | RF-44 | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FRT21G2NW6 | 4A30805196 | 2017 | Used | Semi-Volatile | RF-40F | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FRT21G2NW6 | 4A30805196 | 2017 | New | Semi-Volatile | RF-40R | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FRT18IL6JW3 | BA01510739 | 2017 | New | Semi-Volatile | RF-41F | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FRT18IL6JW3 | BA01510739 | 2017 | New | Semi-Volatile | RF-41R | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FRT18B5JQO | BA81736035 | 2018 | Used | Semi-Volatile | RF-42F | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FRT18B5JQO | BA81736035 | 2018 | Used | Semi-Volatile | RF-42R | N/A |
| Pipette V-7 | Eppendorf | Research Plus | O42368H | Unkno wn | New | Volatiles | V-7 | Online |
| Pipette V8 | Eppendorf | Finnpipette | O329521 | Unkno wn | New | Volatiles | V8 | Online |
| Pipette V9 | Eppendorf | Research Plus | N73220K | Unkno wn | New | Volatiles | V9 | Online |
| Freezer, Full size | Fridgidaire | LFFH20F3QWC | WB71663275 | 2017 | New | Volatiles | FR-11 | N/A |
| Freezer, Full size | Frigidaire | FFU21M7HWN | WB33549952 | 2013 | New | Volatiles | FR-9 | N/A |
| Refrigerator, Commercial | TRUE | T-49 | 1-3372030 | 2008 | New | Volatiles | RF-19 | N/A |
| Refrigerator, Commercial | TRUE | T-72 | 4997696 | 2008 | Used | Volatiles | RF-20 | N/A |
| Refrigerator/Freezer Full size | Fridgidaire | LFTR1814LW4 | BA12239099 | 2011 | Used | Volatiles | RF-25F | N/A |
| Refrigerator/Freezer Full size | Fridgidaire | LFTR1814LW4 | BA12239099 | 2011 | Used | Volatiles | RF-25R | N/A |
| VOA Deli Cooler 1 | TRUE | GDM-69 | 1-4325241 | 2011 | New | Volatiles | RF-32 | N/A |
| VOA Deli Cooler 2 | TRUE | GDM-69 | 1-4337832 | 2011 | Used | Volatiles | RF-33 | N/A |
| Autosampler | Centurion | CentWS | CENTS2240 31111 | 2011 | Used | Volatiles | VO-21 | N/A |
| | | | CENTW433 110912 | | | | | |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Autosampler | EST | Centurion | | 2012 | New | Volatiles | VO-30 | N/A |
| Autosampler | EST | Centurion | CENTW553 052616 | 2016 | New | Volatiles | VO-40 | V:\Equipment Manuals |
| Autosampler | EST | Centurion | CENTW318 031110 | 2019 | New | Volatiles | VO-45 | N/A |
| Autosampler | EST | Centurion | CENTS5490 22818 | Unknown | New | Volatiles | VO-46 | N/A |
| Autosampler | EST | Centurion | CENTW475 040414 | Unknown | New | Volatiles | VO-47 | N/A |
| Autosampler | EST | Centurion | CENTS8251 00821 | 2021 | New | Volatiles | VO-51 | Online |
| Centrifuge | Clay Adams | Dynac | 248967 | 2008 | Used | Volatiles | VO-20 | N/A |
| Concentrator | EST | Evolution | EV44711291 2 | 2012 | New | Volatiles | VO-29 | V:\Equipment Manuals |
| Concentrator | EST | Evolution | EV47004091 3 | 2004 | New | Volatiles | VO-32 | V:\Equipment Manuals |
| Concentrator | EST | Evolution | EV46904091 3 | 2006 | New | Volatiles | VO-33 | V:\Equipment Manuals |
| Concentrator | EST | Evolution | EV66504231 5 | 2015 | New | Volatiles | VO-35 | V:\Equipment Manuals |
| Concentrator | EST | Evolution | EV75105261 6 | 2016 | New | Volatiles | VO-37 | N/A |
| Concentrator | EST | Evolution | EV56704041 4 | 2015 | New | Volatiles | VO-39 | V:\Equipment Manuals |
| Concentrator | EST | Evolution | EV75005261 6 | 2016 | New | Volatiles | VO-41 | V:\Equipment Manuals |
| Concentrator | EST | Evolution | EVX1107082 619 | 2019 | New | Volatiles | VO-44 | N/A |
| Concentrator | EST | Evolution | EVX1053030 619 | Unknown | New | Volatiles | VO-48 | N/A |
| Concentrator | EST | Evolution 2 | EV20217100 821 | 2021 | New | Volatiles | VO-49 | Online |
| Concentrator | EST | Evolution 2 | EV20218100 821 | 2021 | New | Volatiles | VO-50 | Online |
| Cooling Unit | Lauda | RA12 | LCK4908-12- 0004 | 2012 | New | Volatiles | VO-31 | N/A |
| GC/MS | Agilent | 6890 / 5973 | US00008159 / US71410480 | 1997 | Used | Volatiles | 35MSV1 | V:\Equipment Manuals |
| GC/MS | Agilent | 6890 / 5973 | US00022780 / US70810386 | 2004 | Used | Volatiles | 35MSV3 | V:\Equipment Manuals |
| GC/MS | Agilent | 6890 / 5973 | US00026134 / US71410549 | 2011 | Used | Volatiles | 35MSV7 | V:\Equipment Manuals |
| | | | CN10647060 | | | | | |

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|---|---|---|---|---|---|---|---|---|
| GC/MS | Agilent | 6890 / 5973 | / US80138268 | 2012 | New | Volatiles | 35MSVB | V:\Equipment Manuals |
| GC/MS | Agilent | 6890 / 5973 | US00008504 / US10350353 | 2015 | Used | Volatiles | 35MSVC | V:\Equipment Manuals |
| GC/MS | Agilent | 6890N / 5973N | US10249097 / US35130179 | 2016 | Used | Volatiles | 35MSVE | V:\Equipment Manuals |
| GC/MS | Agilent | 6890 / 5973 | US10145015 / US10451398 | 2016 | Used | Volatiles | 35MSVF | V:\Equipment Manuals |
| GC/MS | Agilent | 7890B / 5977A | CN13393153 / US1340M219 | 2019 | New | Volatiles | 35MSVG | V:\Equipment Manuals |
| GC/MS | Agilent | 7890B / 5975C | CN10121007 / US10113019 | 2019 | New | Volatiles | 35MSVH | V:\Equipment Manuals |
| GC/MS | Agilent | 7890B / 5975C | CN10736008 / US73337127 | 2020 | New | Volatiles | 35MSVI | N/A |
| GC/MS | Agilent | 8890 | US2029A017 | 2020 | New | Volatiles | 35MSVJ | N/A |
| Oven | VWR | 1510E | 802701 | 2011 | Used | Volatiles | VO-26 | N/A |
| pH Meter | Fisher | Accumet AB250 pH/ISE meter | AB92359381 | 2022 | New | Volatiles | VO-53 | Volatiles |
| Sonicator Bath | Branson | 1800 | BGD121655 390B | 2017 | New | Volatiles | VO-42 | N/A |
| Top Load | OHAUS | AV412 | 1203240528 | 2016 | Used | Volatiles | 35BALH | Online |
| ZHE Rotator | Millipore | N/A | 415290 | 2011 | Used | Volatiles | VO-27 | At instrument |
| ZHE Rotator | Millipore | YT310RAHW | CP2BB1733 | 2021 | New | Volatiles | VO-52 | At instrument |
| BT Dispenser BT-LLTP1 | Thermo Scientific | Dispensettee | 19K53312 | Unknown | New | Wet Chemistry | BT-LLTP1 | Online |
| BT Dispenser BT-LLTP2 | Thermo Scientific | Dispensettee | 19L78593 | Unknown | New | Wet Chemistry | BT-LLTP2 | Online |
| BT Dispenser BT-MBAS1 | Thermo Scientific | Dispensettee | 19K53974 | Unknown | New | Wet Chemistry | BT-MBAS1 | Online |
| BT Dispenser WC3-BT2 | Thermo Scientific | Dispensettee | 19H28581 | Unknown | New | Wet Chemistry | WC3-BT2 | Online |
| Pipette TKN-BTD | Fisherbrand | 13-615-13 | 15401774 | Unknown | New | Wet Chemistry | TKN-BTD | Online |
| Pipette WC11-5A | Thermo Scientific | Finnpipette F2 | QU30640 | Unknown | New | Wet Chemistry | WC11-5A | Online |
| Pipette WC5-1 | Thermo Scientific | Finnpipette F2 | OU22714 | Unknown | New | Wet Chemistry | WC5-1 | Online |
| Pipette WC6- 01 | Eppendorf | Research Plus | N26974D | Unknown | New | Wet Chemistry | WC6-01 | Online |
| Pipette WC8- 01 | Thermo Scientific | Finnpipette F2 | PU02934 | Unknown | New | Wet Chemistry | WC8-01 | Online |
| Pipette WCBOD-1 | Thermo Scientific | Finnpipette F2 | SU30481 | Unknown | New | Wet Chemistry | WCBOD-1 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Pipette WCBOD-R | Thermo Scientific | Finnpipette Stepper | SH87878 | Unkno wn | New | Wet Chemistry | WCBOD-R | Online |
| Pipette WC-ClO2 | Thermo Scientific | Finnpipette F2 | TU08471 | Unkno wn | New | Wet Chemistry | WC-ClO2 | Online |
| Pipette WCCN-R | Eppendorf | Repeater M4 | K84779L | Unkno wn | New | Wet Chemistry | WCCN-R | Online |
| Pipette WCHEX-1 | Thermo Scientific | Finnpipette | RU01135 | Unkno wn | New | Wet Chemistry | WCHEX-1 | Online |
| Pipette WCIC-02 | Thermo Scientific | Finnpipette F2 | PU02947 | Unkno wn | New | Wet Chemistry | WCIC-02 | Online |
| Pipette WCIC-02A | Thermo Scientific | Finnpipette | QU18522 | Unkno wn | New | Wet Chemistry | WCIC-02A | Online |
| Pipette WCIC-1 | Thermo Scientific | Finnpipette F2 | QU22728 | Unkno wn | New | Wet Chemistry | WCIC-1 | Online |
| Pipette WCIC-10 | Eppendorf | Research Plus | p27998H | Unkno wn | New | Wet Chemistry | WCIC-10 | Online |
| Pipette WCIC-10B | Eppendorf | Reference 2 | L61212J | Unkno wn | New | Wet Chemistry | WCIC-10B | Online |
| Pipette WCIC-10C | eppendorf | Research Plus | P78006J | Unkno wn | New | Wet Chemistry | WCIC-10C | Online |
| Pipette WCLTP-1 | Thermo Scientific | Finnpipette F2 | OU43464 | Unkno wn | New | Wet Chemistry | WCLTP-1 | Online |
| Pipette WCNH3-01 | Thermo Scientific | Finnpipette F2 | RU01134 | Unkno wn | New | Wet Chemistry | WCNH3-01 | Online |
| Pipette WCNH3-02A | Thermo Scientific | Finnpipette F2 | RU21928 | Unkno wn | New | Wet Chemistry | WCNH3-02A | Online |
| Pipette WCNH3-10A | Eppendorf | Reference 2 | L61315J | Unkno wn | New | Wet Chemistry | WCNH3-10A | Online |
| Pipette WCNOX-02 | Thermo Scientific | Finnpipette | RU03897 | Unkno wn | New | Wet Chemistry | WCNOX-02 | Online |
| Pipette WCNOX-1 | Thermo Scientific | Finnpipette | QU06751 | Unkno wn | New | Wet Chemistry | WCNOX-1 | Online |
| Pipette WCOXY-02 | Thermo Scientific | Finnpipette F2 | QU28165 | Unkno wn | New | Wet Chemistry | WCOXY-02 | Online |
| Pipette WCOXY-1 | Thermo Scientific | Finnpipette F2 | PU31511 | Unkno wn | New | Wet Chemistry | WCOXY-1 | Online |
| Pipette WCOXY-10 | Eppendorf | N/A | K34634H | Unkno wn | New | Wet Chemistry | WCOXY-10 | Online |
| Pipette WCPREP-02 | Thermo Scientific | Finnpipette F2 | QU28166 | Unkno wn | New | Wet Chemistry | WCPREP-02 | Online |
| Pipette WCPREP-10 | Thermo Scientific | Finnpipette | K15649I | Unkno wn | New | Wet Chemistry | WCPREP-10 | Online |
| Pipette WCPREP-1A | Thermo Scientific | Finnpipette F2 | RU13994 | Unkno wn | New | Wet Chemistry | WCPREP-1A | Online |
| Pipette WCSO-1 | Eppendorf | Reference 2 | L61205J | Unkno wn | New | Wet Chemistry | WCSO-1 | Online |
| Pipette WCTKN-2 | Thermo Scientific | Finnpipette | SU00660 | Unkno wn | New | Wet Chemistry | WCTKN-2 | Online |
| Pipette WCTKN-3 | Thermo Scientific | Finnpipette F2 | SH75995 | Unkno wn | New | Wet Chemistry | WCTKN-3 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Pipette WCTKN-REPEATER | Thermo Scientific | Finnpipette | Q336671 | Unkno wn | New | Wet Chemistry | WCTKN-REPEATER | Online |
| Pipette WC-UV-02 | Thermo Scientific | Finnpipette F2 | SH83326 | Unkno wn | New | Wet Chemistry | WC-UV-02 | Online |
| 180 Drying Oven | VWR | 1390FM | 7059310 | 2010 | New | Wet Chemistry | WC-58 | N/A |
| 4510 Conductivity Meter, 35WTAN | Man-Tech Scientific | PC-2000-001 | 59872 | Unkno wn | new | Wet Chemistry | WC-122 | N/A |
| Analytical Balance | Sartorius | Entris 224-1S | 35606578 | 2018 | New | Wet Chemistry | 35BALM | Online |
| Analytical Balance | Sartorius | Entris 224-1S | 42007872 | 2021 | New | Wet Chemistry | 35BALV | Online |
| Aquion IC | Thermo Fisher | Aquion IC | 190360315 | 2019 | New | Wet Chemistry | 35WA04 | Online |
| AS-AP Autosampler | Dionex | ICS-5000+ | 14028312 | 2017 | New | Wet Chemistry | WC-138 | N/A |
| ASI-L Autosampler | Shimadzu | ASI-L | H574156 | 2019 | New | Wet Chemistry | 35WA02 | Online |
| Autoclave | Market Forge | STM-E | 95-3441 | 2014 | Unknown | Wet Chemistry | WC-100 | N/A |
| Autoclave | Market Forge | STM-E | 103998-6RR-1084 | 2020 | New | Wet Chemistry | WC-172 | N/A |
| Autosampler | Thermo Fisher | Dionex AS-DV | 190414707 | 2019 | New | Wet Chemistry | 35WA03 | Online |
| Autosampler | Shimadzu | ASI-L | H574158032 17 | 2020 | New | Wet Chemistry | 35WA07 | N/A |
| Autosampler | Cetac | ASX-520 | 091494A520 | 2016 | New | Wet Chemistry | WC-129 | N/A |
| Autosampler | Lachat | ASX-560 | 031759A560 | 2017 | New | Wet Chemistry | WC-142 | N/A |
| Autosampler XYZ (2) | Lachat | ASX 520 | AB1010-1562 | 2000 | Used | Wet Chemistry | 35WTA3 | N/A |
| Autosampler XYZ (3) | Lachat | ASX 500 | A81010-380 | 39661 | Used | Wet Chemistry | 35WTA4 | N/A |
| Autosampler, 35WA01 | Cetac | ASX-560 | 111702A560 | 2017 | New | Wet Chemistry | WC-143 | N/A |
| Autosampler, 35WA09 | Lachat | ASX-560 | 012095A560 | 2020 | new | Wet Chemistry | WC-173 | N/A |
| Autosampler, 35WA12 | Thermo Scientific | Dionex AS-DV | 180213273 | 2020 | New | Wet Chemistry | WC-175 | N/A |
| Autosampler, 35WTA5 | Shimadzu | ASI-V | H521045024 345A | 1991 | Used | Wet Chemistry | WC-36 | N/A |
| Autosampler, 35WTAB | Dionex | AS-DV | 11071135 | 2011 | New | Wet Chemistry | WC-76 | N/A |
| Autosampler, 35WTAC | Shimadzu | ASI-V | H521047034 05A | 2011 | New | Wet Chemistry | WC-77 | N/A |
| Autosampler, 35WTAD | Lachat | ASX 260 | 1000100001918 | 2011 | New | Wet Chemistry | 35WTAD | N/A |
| Autosampler, 35WTAE | Dionex | AS40 | 00020114 | 2012 | New | Wet Chemistry | 35WTAE | N/A |
| Autosampler, 35WTAH | Metrohm | 881 IC | 1.858E+12 | 2013 | New | Wet Chemistry | WC-100 | N/A |
| Autosampler, 35WTAI | Metrohm | 858 | 1.858E+12 | 2014 | New | Wet Chemistry | WC-101 | N/A |
| Autosampler, 35WTAJ | Teledyne Cetac | ASX-520 | 0314153A520 | 2014 | Used | Wet Chemistry | WC-102 | N/A |

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|---|---|---|---|---|---|---|---|---|
| Autosampler, 35WTAN | N/A | N/A | 190A3034 | Unkno wn | new | Wet Chemistry | WC-118 | N/A |
| Block Digestion System | Seal Analytical | BD-50 | 5146U00672 | 2016 | New | Wet Chemistry | WC-116 | Online |
| Block Digestion System | Seal Analytical | BD-50 | 5146400687 | 2017 | New | Wet Chemistry | WC-134 | Online |
| BOD Meter | YSI | 5000 115V | 10F100100 | Unkno wn | New | Wet Chemistry | 35WET4 | Online |
| BOD Meter | YSI | 5000 115V | 11B 100677 | 2013 | New | Wet Chemistry | 35WTAW | Online |
| BOD Probe | YSI | 5905 | 19H100250 | 2018 | New | Wet Chemistry | WC-99 | N/A |
| BOD Probe | YSI | 5905 | 21K100558 | 2022 | New | Wet Chemistry | WC-184 | N/A |
| BOD Probe | YSI | 5906 | 21K100558_ | 2022 | New | Wet Chemistry | WC-185 | N/A |
| Buret, 35WTAN | Man-Tech Scientific | PC-1000-1040 | MT-1D6-135 | Unkno wn | new | Wet Chemistry | WC-121 | N/A |
| Centrifuge | Damon/IEC | HN-5 | 9432 | 2015 | New | Wet Chemistry | WC-105 | Online |
| Centrifuge | Fisher | TDS | 71200366 | Unkno wn | Used | Wet Chemistry | WC-88 | N/A |
| Chiller | Caron | 2050-1 | 2050-1-573 | 2016 | New | Wet Chemistry | WC-130 | N/A |
| Chiller | Thermo | NESLAB/ME RLIN M75 | 108263003 | Unkno wn | New | Wet Chemistry | WC-93 | N/A |
| Chlorine Titrator | Hach | AT1102.97 | 2004233 | 2020 | New | Wet Chemistry | 35WA10 | N/A |
| ClO2 Pocket Colorimeter | HACH | N/A | N/A | 2012 | New | Wet Chemistry | 35WTAY | Online |
| ClO2 Pocket Colorimeter | Hach | N/A | N/A | 2008 | Used | Wet Chemistry | WC-32 | N/A |
| CN BLOCK | Custom Built | N/A | N/A | 2008 | Used | Wet Chemistry | WC-41 | N/A |
| COD Reactor | Velp Schientifica | EC025 | 309720 | 2016 | New | Wet Chemistry | WC-128 | Online |
| Colony Counter | LEICA | 3352 | 12972-4 | 2013 | New | Wet Chemistry | WC-96 | N/A |
| Commercial Bar Mixer | Hamilton Beach | 908-1 | 917B | 2008 | Used | Wet Chemistry | WC-51 | N/A |
| Compact Refrigerator | Frigidaire | EFR331-B | A2010349800 000350 | 2021 | New | Wet Chemistry | RF-48 | N/A |
| Compact Refrigerator | Frigidaire | EFR331-B | A2010349800 000021 | 2021 | New | Wet Chemistry | RF-50 | N/A |
| Conduction Meter | YSI | 3200-115V | 03F0673 | 2003 | New | Wet Chemistry | 35WET2 | Online |
| Conductivity Meter | Oakton | ECTestr11 | 2520830 | 2016 | New | Wet Chemistry | WC-124 | N/A |
| Conductivity Meter | Oakton | ECTestr11 | 2520831 | 2016 | New | Wet Chemistry | WC-125 | N/A |
| Conductivity Meter | Oakton | ECT5STRI | 1577205 | 2010 | New | Wet Chemistry | WC-53 | N/A |
| Conductivity Probe | YSI | 3252 | 16F100564 | 2018 | New | Wet Chemistry | WC-147 | N/A |
| Controller | Seal Analytical | BD-50 | 5146400688 | 2017 | New | Wet Chemistry | WC-133 | N/A |
| Cyanide Block (Midi) | Custom Built | N/A | N/A | 2011 | New | Wet Chemistry | WC-72 | N/A |
| Damon Centrifuge | Damon/IBC | SHNSיו | 23559593 | 39661 | Used | Wet Chemistry | WC-49 | N/A |

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|---|---|---|---|---|---|---|---|---|
| Dessicator | Sanplatec Corp | Dry Keeper | N/A | Unkno wn | New | Wet Chemistry | WC-54 | N/A |
| Dessicator | Fisher Scientific | N/A | N/A | Unkno wn | New | Wet Chemistry | WC-55 | N/A |
| Dessicator | N/A | N/A | N/A | Unkno wn | New | Wet Chemistry | WC-56 | N/A |
| Digestion Block | Seal Analytical | BD505 | 5146U01076 | 2019 | New | Wet Chemistry | WC-156 | N/A |
| Digestion Block | Seal Analytical | BD505 | 5146U01074 | 2019 | New | Wet Chemistry | WC-158 | N/A |
| Digestion System | Seal Analytical | BD505 | 5146U01075 | 2019 | New | Wet Chemistry | WC-157 | N/A |
| Digestion System 40 | Tecator | 1016 | 753 | 2015 | New | Wet Chemistry | WC-108 | Online |
| Digestion System 40 | Tecator | 1016 | 549 | Unkno wn | New | Wet Chemistry | WC-91 | N/A |
| Digestion System 40 | Tecator | 1016 | 772 | Unkno wn | New | Wet Chemistry | WC-92 | N/A |
| Digestion System Remote | Seal Analytical | BD-50 | 5146400673 | 2019 | New | Wet Chemistry | WC-163 | N/A |
| Digestion System, Remote | Seal Analytical | BD505 | 5146U01073 | 2019 | New | Wet Chemistry | WC-159 | N/A |
| Dionex | Dionex | ICS-2000 | 6010780 | 2016 | new | Wet Chemistry | 35WTAO | Online |
| Dionex | Dionex | ICS-5000+ | 12111505 | 2017 | new | Wet Chemistry | 35WTAQ /R | Online |
| Dionex Aquion | Thermo Fisher | Dionex Aquion | 190340069 | 2019 | New | Wet Chemistry | 35WA03 | Online |
| Dionex AS- DV | Thermo Fisher | Dionex AS-DV | 190414716 | 2019 | New | Wet Chemistry | 35WA04 | Online |
| Distillation Module | OI Analytical | A515000 | 635815608 | 2016 | New | Wet Chemistry | WC-131 | Online |
| DO Meter | YSI | 5905 BOD PROBE | 22G100432 | 44847 | New | Wet Chemistry | WC-192 | ONLINE |
| DO Probe | YSI | YSI 5905 | 21E100197 | 2021 | New | Wet Chemistry | WC-180 | N/A |
| DO Probe | YSI | 5905 BOD Probe | YSI 0655815 | 44790 | New | Wet Chemistry | WC-190 | Online |
| Dual Pump | Dionex | ICS-5000+ | 12129025 | 2017 | New | Wet Chemistry | WC-136 | N/A |
| EG | Dionex | ICS-5000+ | 12129014 | 2017 | New | Wet Chemistry | WC-137 | N/A |
| Fisher Centrifuge | Fisher Scientific | Table Top | N/A | 2008 | Used | Wet Chemistry | WC-75 | N/A |
| Heating Mantle | Glas-Col | TM106 | 147231A | Unkno wn | New | Wet Chemistry | WC-33-10 | N/A |
| Heating Mantle | Glas-Col | TM106 | 122719A | Unkno wn | New | Wet Chemistry | WC-33-11 | N/A |
| Heating Mantle | Glas-Col | TM106 | 122739A | Unkno wn | New | Wet Chemistry | WC-33-12 | N/A |
| Heating Mantle | Glas-Col | TM106 | 1275A | Unkno wn | New | Wet Chemistry | WC-33-13 | N/A |
| Heating Mantle | Glas-Col | TM106 | 122657A | Unkno wn | New | Wet Chemistry | WC-33-2 | N/A |
| Heating Mantle | Glas-Col | TM106 | 122726A | Unkno wn | New | Wet Chemistry | WC-33-3 | N/A |
| Heating Mantle | Glas-Col | TM106 | 122660A | Unkno wn | New | Wet Chemistry | WC-33-4 | N/A |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Heating Mantle | Glas-Col | TM106 | 122727A | Unkno wn | New | Wet Chemistry | WC-33-5 | N/A |
| Heating Mantle | Glas-Col | TM106 | 152019A | Unkno wn | New | Wet Chemistry | WC-33-6 | N/A |
| Heating Mantle | Glas-Col | TM106 | 152327A | Unkno wn | New | Wet Chemistry | WC-33-7 | N/A |
| Heating Mantle | Glas-Col | TM106 | 152063A | Unkno wn | New | Wet Chemistry | WC-33-8 | N/A |
| Heating Mantle | Glas-Col | TM106 | 122730A | Unkno wn | New | Wet Chemistry | WC-33-9 | N/A |
| Heating Mantles (12) | Glas-Col | N/A | see below for details | 39661 | Used | Wet Chemistry | WC-33-1 | N/A |
| Heating Mantles (12) | Glas-Col | N/A | 1368557 | Unkno wn | New | Wet Chemistry | WC-33-1 | N/A |
| Hexavalent Chromium IC | Dionex | ICS-1600 | 15110842 | 2015 | new | Wet Chemistry | 35WTAM | Online |
| Hot Plate | Thermo | Thermo Cimarec 7" SP88857100 | C3710015012 001146 | 2020 | New | Wet Chemistry | WC-166 | N/A |
| Hot Plate | Thermo | SP131325 | 1.7681E+12 | Unkno wn | New | Wet Chemistry | WC-60 | N/A |
| Hot Plate | Thermo | SP1313250 | C1768121055 144 | 2012 | Unknown | Wet Chemistry | WC-94 | N/A |
| IC | Thermo | ICS-2100 | 10100281 | 44714 | Used | Wet Chemistry | 35WA14 | Online |
| IC Dionex Aquion | Thermo Scientific | Dionex | 180244480 | 2020 | New | Wet Chemistry | 35WA12 | N/A |
| IC Dionex ICS-2100 | Thermo Scientific | Dionex ICS-2100 | 10100084 | 2021 | New | Wet Chemistry | 35WA13 | N/A |
| Interface Module, 35WTAN | Man-Tech Scientific | PC-1000-102/4 | MT-1B6-748 | Unkno wn | New | Wet Chemistry | WC-119 | N/A |
| Ion Chromatography System | Dionex | ICS-1100 | 11060028 | 2011 | New | Wet Chemistry | 35WTAB | Online |
| Ion Chromatography System | Dionex | ICS-2000 | 03060003 | 2012 | New | Wet Chemistry | 35WTAE | Online |
| Ion Chromatography System | Dionex | ICS-2000 | 5101123 | 2013 | Used | Wet Chemistry | 35WTAG | Online |
| Ion Chromatography System | Metrohm | 881 Compact IC | 1.881E+12 | 2013 | New | Wet Chemistry | 35WTAH | At Instrument |
| Ion Chromatography System | Metrohm | 881 Compact IC | 1.881E+11 | 2014 | New | Wet Chemistry | 35WTAI | At Instrument |
| Lachat | Hach | 8500 Series 2 | 1.711E+11 | 2017 | New | Wet Chemistry | 35WA01 | Online |
| Lachat | Lachat | QuickChem 8500 | 2.005E+11 | 2020 | new | Wet Chemistry | 35WA09 | N/A |
| Lachat | Hach | 8500 | 80600000591 | 2014 | Used | Wet Chemistry | 35WTAJ | Online |
| Lachat | Hach | 8500 | 15100001900 | 2015 | New | Wet Chemistry | 35WTAL | Online |
| Lachat | Lachat | QC 8500 | 1.703E+11 | 2017 | New | Wet Chemistry | 35WTAT | Online |
| Lachat Quick Chem 8500 | Lachat | Quick Chem 8500 | 1.002E+11 | 2011 | New | Wet Chemistry | 35WTAD | Online |
| Man-Tech Auto Titrator | Man-Tech Scientific | Various | Various | Unkno wn | New | Wet Chemistry | 35WTAN | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Metering Pump | Dionex | AXP Metering Pump/MX010 PF3ADX | V0015604 | 44714 | New | Wet Chemistry | WC-189 | Online |
| Mini Stirrer | VWR | 200 | 3206 | Unkno wn | New | Wet Chemistry | WC-2 | N/A |
| Mini Stirrer | VWR | 200 | 58940-158 | 39661 | Used | Wet Chemistry | WC-3 | N/A |
| Mini Stirrer | VWR | N/A | 3181 | Unkno wn | New | Wet Chemistry | WC-61 | N/A |
| Mini Stirrer | VWR | 200 | 3111 | Unkno wn | New | Wet Chemistry | WC-62 | N/A |
| Muffle Furnance | Wilt Industries | 200SV | 031195 | 2015 | used | Wet Chemistry | WC-115 | Online |
| Muffle Furnance | Fisher Scientific | N/A | N/A | 2010 | Used | Wet Chemistry | WC-31 | N/A |
| OI Analytical 3700 | Xylem | 329995 | B632837342 | 2016 | new | Wet Chemistry | 35WTAP | Online |
| ORP Meter | Ohaus | ST10R | 1609840073 | 2016 | New | Wet Chemistry | 35WTAZ | Online |
| Oven | Thermo Scientific | Herathrem OGS750 | 42206944 | 44627 | Used | Wet Chemistry | WC-188 | Online |
| Pen ORP Meter | Ohaus | STIOR | 1842840041 | 2019 | New | Wet Chemistry | WC-160 | N/A |
| Peristaltic Pump | Ismatec | IPC | M16001433 | 2017 | New | Wet Chemistry | WC-140 | N/A |
| pH Meter | Accumet | AB250 | AB92355071 | 2020 | New | Wet Chemistry | 35WET7 | N/A |
| pH Meter | Fisher | Accumet | AB92356805 | 2021 | New | Wet Chemistry | 35WET8 | N/A |
| PH Meter | Accumet | AB250 | AB92350786 | 2017 | New | Wet Chemistry | 35WTAU | Online |
| PH Meter | Orion | 410A | 002051 | 1995 | New | Wet Chemistry | WC-1 | N/A |
| PH Meter | Orion | 710A | 0001809 | 2014 | Used | Wet Chemistry | WC-103 | N/A |
| PH Meter | Thermo | 420A+ | 57982 | 2013 | Unknown | Wet Chemistry | WC-95 | N/A |
| pH Probe | Fisher | Accumet | VYS1-8107 | 2021 | New | Wet Chemistry | WC-179 | N/A |
| pH Probe | Fisher | Accumet | VZO1 13400 | 2022 | New | Wet Chemistry | WC-182 | N/A |
| pH Probe | Fisher | Accumet | VZO1 13399 | 2022 | New | Wet Chemistry | WC-183 | N/A |
| pH Probe_Alkalinity | Mantech | PCE-80-PH1200 | 48773/0003 | 2018 | New | Wet Chemistry | WC-146 | N/A |
| pH/ATC Probe | Accumet | 13-620-530A | VZS1 8834 | 44627 | New | Wet Chemistry | WC-187 | Online |
| pH/Conductivity Meter | Thermo Scientific | 267010-A01 | X53780 | 2020 | New | Wet Chemistry | 35WA06 | N/A |
| pH/Conductivity Probe | Thermo Scientific | Orion Star A215 | X41362 | 2019 | New | Wet Chemistry | WC-162 | N/A |
| Post Coloumn Pump, 35WTAM | Dionex | AXP | Z0058004 | 2015 | New | Wet Chemistry | WC-112 | N/A |
| Reagent Pump, 35WA01 | Cole-Palmer | Rp-150 | F17005536 | 2017 | New | Wet Chemistry | WC-144 | N/A |
| Refrigerator | Danby | DAR170A3WDD | 43201032245 58' | 2021 | New | Wet Chemistry | RF-49 | N/A |
| Refrigerator/Freezer Full size | Frigidaire | FFTR1814TWO | BA80633625 | 2018 | New | Wet Chemistry | RF-43F | N/A |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Refrigerator/Freezer Full size | Frigidaire | FFTR1814TWO | BA80633625 | 2018 | New | Wet Chemistry | RF-43R | N/A |
| Res. Chlorine Titrator | Severn Trent | 17T2012AXX | 17T2012000000504 | 2004 | Used | Wet Chemistry | 35WTAX | Online |
| Ryobi 10" Drill Press | Ryobi | DP101 | C034028074 | 2008 | Used | Wet Chemistry | WC-83 | N/A |
| Small Shaker Table | Eberback Corporation | 6010 | 40123 | 2008 | Used | Wet Chemistry | WC-82 | N/A |
| Spectrophotometer, UV | Hach | DR 3900 | LPG400.99.0 0012 | 2020 | New | Wet Chemistry | 35WA08 | N/A |
| Spectrophotometer, UV | Carey/Varian | 50 Bio | EL98103317 | 2001 | Used | Wet Chemistry | 35WTA7 | Online |
| Spectrophotometer, UV | Agilent | G6860A | MY17050019 | 2017 | New | Wet Chemistry | 35WTAS | Online |
| Stirer | VWR | 200 Mini Stirrer | N/A | Unkno wn | New | Wet Chemistry | WC-63 | N/A |
| Stirrer | Thermo | SP1313d5 | 1.7681E+12 | 2010 | New | Wet Chemistry | WC-64 | N/A |
| Thermocouple | Omega | HH911T | 000225 | 2017 | New | Wet Chemistry | WC-135 | N/A |
| Thermocouple Sensor | Omega | N/A | 12747 | 2017 | New | Wet Chemistry | WC-135A | N/A |
| TitraSip, 35WTAN | Man-Tech Scientific | PC-1300-475 | MT-1B6-984 | Unkno wn | New | Wet Chemistry | WC-120 | N/A |
| Top Load | OHAUS | SPE402 | 7132212431 | 2012 | new | Wet Chemistry | 35BALG | Online |
| Top Load | OHAUS | SPX222 | C129202233 | 2021 | New | Wet Chemistry | 35BALU | Online |
| Total Organic Carbon Analyzer | Shimadzu | TOC-L CSH | H543256323 96 CS | 2019 | New | Wet Chemistry | 35WA02 | Online |
| Total Organic Carbon Analyzer | Shimadzu | TOC-L | H543057321 89 | 2020 | New | Wet Chemistry | 35WA07 | N/A |
| Total Organic Carbon Analyzer | Shimadzu | TOC-V CSH | H511045352 52 CS | 1991 | New | Wet Chemistry | 35WTA5 | Online |
| Total Organic Carbon Analyzer | Shimadzu | TOC-V CSH | H511047353 78 CS | 2011 | New | Wet Chemistry | 35WTAC | Online |
| Turbidimeter | Hach | 2100N | 07010C022056 | 39661 | Used | Wet Chemistry | 35WTAV | N/A |
| Turbidimeter | HACH | 2100 | 12090C029324 | Unkno wn | New | Wet Chemistry | WC-90 | N/A |
| UV Light | Entela | UVL-56 | N/A | 2013 | New | Wet Chemistry | WC-98 | N/A |
| Variable Stirrer Control, 35WTAN | Man-Tech Scientific | PC-1000-388 | MT-1A6-362 | Unkno wn | New | Wet Chemistry | WC-123 | N/A |
| Vortex Genie Touch Mixer | Scientific Industries | SI-D136 | N/A | 2011 | Used | Wet Chemistry | WC-69 | N/A |
| Vortex Mixer | Fisher | 945404 | 100706056 | 2010 | New | Wet Chemistry | WC-68 | N/A |
| VWD Detector, 35WA05 | Dionex | VWD | 14100163 | 2015 | Used | Wet Chemistry | 35WA05 | N/A |
| VWD Detector, 35WTAM | Dionex | ICS-VWD | 17021036 | 2017 | new | Wet Chemistry | WC-141 | N/A |
| Water Bath | Fisher Scientific | 2207 | 224120 | 2010 | Unknown | Wet Chemistry | WC-66 | N/A |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Water Bath | Thermo Scientific | 2868 | 256947-450 | 2011 | New | Wet Chemistry | WC-67 | N/A |
| Water Recirculator | Lytron | MCS 40 | 761411 | 2011 | Used | Wet Chemistry | WC-74 | N/A |
| Waterbath | Thermo Scientific | Precision CIR89 | 300395633 | 2020 | New | Wet Chemistry | WC-171 | N/A |

### 7.5.2 PAS- Pompano Beach

## Equipment List: PAS- Pompano Beach

| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Pipette 0.5-5 mL | Thermo | Finnpippette | EJ24669 | 2011 | Used | Microbiology | 57 | Online |
| Pipette 1-5 ml | Thermo | Finnpippette | N58328 | 2011 | Used | Microbiology | 64 | Online |
| Pipette 100-1000 uL | Eppendorf | Research | 396770 | 2011 | Used | Microbiology | 66 | Online |
| Pipette 100-1000 uL | Eppendorf | Reference | 3838108 | 2011 | Used | Microbiology | 71 | Online |
| Pipette 1-10 mL | Eppendorf | Research | 380544Z | 2011 | Used | Microbiology | 74 | Online |
| Pipette 10 - 100 uL | Eppendorf | Research | 422158 | 2011 | Used | Microbiology | 76 | Online |
| Pipette 100-1000 uL | Eppendorf | Research | 4145467 | 2011 | Used | Microbiology | 77 | Online |
| Pipette 1-10 mL | Eppendorf | Research plus | 142000A | 2011 | Used | Microbiology | 78 | Online |
| Pipette 100-1000µL | Eppendorf | Reference 2 | L34975C | 2015 | Used | Microbiology | 100 | Online |
| Pipette 10-100µL | Eppendorf | Reference 2 | L12334D | 2015 | Used | Microbiology | 101 | Online |
| Pipette 1-10µL | Eppendorf | Repeater m4 | L26353E | 2016 | Used | Microbiology | 102 | Online |
| Top Loading Balance | Mettler Toledo | ME4002E | B626691931 | 2016 | Unknown | Microbiology | 36BAL4 | Online |
| Analytical Balance | Mettler Toledo | XSR105DU | C047552739 | 2020 | New | Microbiology | 36BAL6 | Online |
| pH Meter | Fisher | Accumet AB250 | AB92349852 | 2017 | New | Microbiology | 36WTA6 | Online |
| Conductivity Meter | Fisher | AB200 | AB92350596 | 2017 | New | Microbiology | 36WTAC | Online |
| Conductivity Meter | Thermo Scientific | Orion Star AS215 | X58241 | 2020 | New | Microbiology | 36WTAE | Online |
| pH Meter | YSI | Multilab 4010-1W | 19490980 | 2020 | New | Microbiology | 36WTAF | Online |
| pH Probe | Fisher | 13-620-631 | 2633435 | 2017 | New | Microbiology | AB200-1 | Online |
| ATC Conductivity Probe | Fisher | 13-620-100 | 9235017P | 2020 | New | Microbiology | AB200-3 | Online |
| Bottle Top Pipette | Cali-Brex | 520 | 24121023 | 2015 | New | Kit Prep | BT-10 | Online |
| Bottle Top Pipette | Cali-Brex | 520 | 24121067 | 2015 | New | Kit Prep | BT-11 | Online |
| Bottle Top Pipette | Cali-Brex | 520 | 22091615 | 2015 | New | Kit Prep | BT-12 | Online |
| Autoclave | Market Forge | STMEL | 104228-8RR-1476 | 2020 | New | Microbiology | FU-025 | Online |
| Incubator | ThermoFisher | Heratherm IGS60 | 41741240 | 2015 | New | Microbiology | MI-025 | Online |
| ATC Conductivity Probe | Hach | CDC40101 | 1.50403E+11 | 2014 | New | Microbiology | MI-027 | Online |
| Waterbath | Thermo | TSCOL35 | 300130402 | 2017 | New | Microbiology | MI-030 | Online |
| Waterbath | Thermo Scientific | TSCIR35 | 300190521 | 2018 | Unknown | Microbiology | MI-031 | Online |
| Waterbath | Thermo Scientific | TSCOL35 | 300197933 | 2018 | Unknown | Microbiology | MI-032 | Online |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Incubator | Thermo Scientific | Hertherm IGS400 | 42270439 | 2018 | New | Microbiology | MI-033 | Online |
| Refrigerator | Kenmore | 25370722410 | WA90703852 | 2019 | New | Microbiology | MI-034 | Online |
| Incubator | Thermo Scientific | PR505755R | 300262179 | 2019 | New | Microbiology | MI-035 | Online |
| Quanti-Tray Sealer | IDEXX | 89-0003936-00 | QTP13191205021 | 2019 | New | Microbiology | MI-036 | At instrument |
| Dry Block Incubator | Crosstex | NBD-056 | 7232 | 2020 | New | Microbiology | MI-038 | Online |
| Refrigerator | Daewoo | RTE21GBWCS | MR198E50600269 | 2020 | New | Microbiology | MI-039 | Online |
| ORP Meter | Orion | 230A+ | 021074 | 2011 | Used | Microbiology | ORP-1 | Online |
| pH Probe | Thermo Fisher | 9107BNMD | UY1-10092 | 2016 | New | Microbiology | pH-3 | Online |
| pH Probe | Fisher | Accumet | 2555645/VUTI 8989 | 2017 | New | Microbiology | pH-5 | Online |
| pH Probe | Fisher | SU-13121 | | 2015 | Used | Microbiology | probe Ph-p1 | Online |
| Salinity Meter | Orion | 105A | 004265 | 2011 | Used | Microbiology | SAL-1 | Online |
| Walk-In Cooler | American Cold Storage | | 11259 | 2011 | Used | Client Services | SC-001 | N/A |
| ATC pH Probe | Thermo Fisher | 13-620-63 | VVR11717 | 2017 | Used | Microbiology | SFL-001 | Online |
| ATC Conductivity Probe | Thermo Fisher | 013005MD | YS1-10658 | 2020 | New | Microbiology | SFL-003 | Online |
| ATC pH Probe | YSI | 4120 | 285097385 | 2020 | New | Microbiology | SFL-004 | Online |
| ATC Conductivity Probe | Thermo Fisher | 13-620-100 | 20164057P | 2021 | New | Microbiology | SFL-005 | Online |
| ATC Conductivity Probe | Thermo Fisher | 13-620-100 | 20323045P | 2021 | New | Microbiology | SFL-006 | Online |
| pH Meter | Thermo | Orion 2 Star | B07333 | 2011 | Used | Microbiology | SFL-1 | Online |
| Spectrophotometer | Hach | DR2800 | 1211953 | 2011 | Used | Microbiology | SPEC-1 | Online |
| Turbidimeter | Hach | 2100AN | 14030C024028 | 2014 | New | Microbiology | Turb-2 | Online |
| UV Lamp | Spectroline | EA-160 | 739573 | 2011 | Used | Microbiology | UV-001 | Online |
| Waterbath | Lindberg Blue | 1130 | 9305-01 | 2011 | Used | Microbiology | WaterBath-2 | Online |
| Quanti-Tray Sealer | IDEXX | 89-0003936-00 | QTP13210600197 | 2021 | New | Microbiology | MI-040 | Online |

### 7.5.3 PAS- Oldsmar

**Equipment List: PAS- Oldsmar**

| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Balance | Sartorius | Entris224-1S | 355606420 | 2021 | New | Wet Chemistry | 35BAL9 | Online |
| YSI Conductivity Meter | YSI | 3200-115V | 14J100038 | 2015 | New | Wet Chemistry | 38WTA6 | At Instrument |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| Turbidimeter | Hach | 2100N | OCO28178 | 2016 | Used | Wet Chemistry | 38WTAI | At Instrument |
| pH Meter | Fisher | AB250 | AB92350951 | 2017 | Used | Wet Chemistry | 38WTAN | Online |
| Top Loader Balance | Toledo | ML6001E | B220934487 | 2016 | Used | Sample Custody | TPA-102 | Online |
| Sample Refrigerator #1 | Continental Scientific | S3R | A97D62354 | 2016 | Used | Sample Custody | TPA-104 | Online |
| Sample Refrigerator #2 | Continental Scientific | S3R | A97D6234 | 2016 | Used | Sample Custody | TPA-105 | Online |
| Sample Refrigerator #3 | True Manufacturing | T-72 | 7627219 | 2016 | Used | Sample Custody | TPA-106 | Online |
| Sample Refrigerator #4 | True Manufacturing | T-72 | 7226635 | 2016 | Used | Sample Custody | TPA-107 | Online |
| Wet Chem Sample Refrigerator #5 | True Manufacturing | T-72 | 1-3531819 | 2016 | Used | Wet Chemistry | TPA-108 | Online |
| Wet Chem Sample Refrigerator #6 | True Manufacturing | T-72 | 1-3569244 | 2016 | Used | Wet Chemistry | TPA-109 | Online |
| Wet Chem Sample Refrigerator #7 | True Manufacturing | T-72 | 7627218 | 2016 | Used | Wet Chemistry | TPA-110 | Online |
| Wet Chem Sample Refrigerator #8 | True Manufacturing | T-72 | 7210135 | 2016 | Used | Wet Chemistry | TPA-111 | Online |
| Micro Refrigerator #2 | GE | TBX19FIBLRWW | FV518413 | 2016 | Used | Wet Chemistry | TPA-112 | Online |
| Micro Freezer #2 | GE | TBX19FIBLRWW | FV518413 | 2016 | Used | Wet Chemistry | TPA- 112FR | Online |
| Low Temperature Incubator | Thermo Fisher | 3720 | 3720 | 2016 | Used | Microbiology | TPA-115 | Online |
| Odor Waterbath | Thermo Fisher | 2862 | 208618-516 | 2016 | Used | Microbiology | TPA-119 | Online |
| Fecal Waterbath | Precision | 51221033 | 602051144 | 2016 | Used | Microbiology | TPA-120 | Online |
| Quanti-Tray Sealer | IDEXX | 89-10894-00 | 3221 | 2016 | Used | Microbiology | TPA-123 | Online |
| Oven #1 | Quincy Labs, Inc. | 20GC | G2-22523 | 2016 | Used | Wet Chemistry | TPA-125 | Online |
| Micro Refrigerator #1 | GE | GTH18GBDCRWW | AZ791678 | 2016 | Used | Microbiology | TPA-127 | Online |
| Autoclave | | | | | | | | |

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| Description | Manufacturer | Model | Serial Number | Service Date | Condition | Location | Internal ID | Location of Manual |
|---|---|---|---|---|---|---|---|---|
| | Market Forge | STM-E | 169834 | 2016 | Used | Microbiology | TPA-129 | Online |
| Conductivity Meter | Oakton | 35662-30 | 2582260 | 2016 | Used | Wet Chemistry | TPA-154 | Online |
| Oven #3 | Blue M | OV-490A-2 | OV3-25675 | 2016 | Used | Wet Chemistry | TPA-155 | Online |
| Standards Refrigerator #3 | Vissani | MCMC58DST | 1408MCBC58DST0169 | 2017 | Used | Sample Custody | TPA-165 | Online |
| Micro Enterococci Incubator | Thermo Fisher | Isotemp 100L | 42162794 | 2017 | Used | Microbiology | TPA-229 | Online |
| Water bath | Precision | TSCIR35 | 300189492 | 2018 | Used | Wet Chemistry | TPA-230 | Online |
| SCBI Incubator | MesaLabs | 1410 | 14041893 | 2015 | New | Microbiology | TPA-73 | Online |
| ATC pH Probe | Thermo Fisher | 13-620-63 | 2656581 | 2017 | New | Wet Chemistry | TPA-231 | At Instrument |
| TDS Oven | Thermo Fisher | Isotemp 180L | 42569386 | 2020 | Used | Wet Chemistry | TPA-237 | Online |
| ATC Conductivity Probe | Thermo Fisher | 3252 | 19E100686 | 2020 | New | Wet Chemistry | TPA-240 | At Instrument |
| ATC Conductivity Probe | Thermo Fisher | 3252 | 21E100203 | 2021 | New | Wet Chemistry | TPA-243 | At Instrument |
| Quanti-Tray Sealer PLUS | IDEXX | Quantitray Sealer PLUS | QTP13221601811 | 2022 | New | Microbiology | TPA-244 | Online |
| Conductivity/pH Meter | Fisher | Accumet | AB92359541 | 2022 | New | Wet Chemistry | 38WPAO | At Instrument |
| Conductivity Probe | Fisher | Accumet | 22047057P | 2022 | New | Wet Chemistry | TPA-245 | At Instrument |
| pH Probe | Fisher | Accumet | 13-620-631 | 2022 | New | Wet Chemistry | TPA-246 | At Instrument |
| Conductivity Probe | YSI | 3252 | 21J100159 | 2022 | New | Wet Chemistry | TPA-247 | At Instrument |

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# 8.0 ADDENDUM: PROGRAM REQUIREMENTS

Section 8.0 provides additional requirements the locations covered by this manual are required to follow when performing work under the program. Only requirements that are not covered by the main body of the manual are listed in addendum.

## 8.1 DoD/DOE

PAS-Ormond Beach maintains accreditation for DoD/DoE Environmental Laboratory Approval Program (ELAP)

This addendum outlines additional policies and processes established by this laboratory to maintain compliance with DoD/DOE program specific requirements as outlined in the DoD/DOE Consolidated Quality Systems Manual (QSM) for Environmental Laboratories. The QSM incorporates ISO/IEC 17025 and the TNI Standard and includes additional program-specific requirements for laboratories that perform analytical testing services for DoD and DOE, and which must be followed for DoD / DOE projects.

**Section 4.2.5: Supporting Documents**

In addition to the requirements specified in Section 4.2.5, technical SOPs used for DoD/DOE testing must also include instructions for equipment and instrument maintenance, computer software/hardware, and troubleshooting.

The review frequency for technical SOPs used for DoD/DOE testing is annual, instead of every 2 years.

**Section 4.4: Review of Analytical Service Requests**

If the DoD/DOE customer requests a statement of conformity, the standard used for the decision rule must be communicated to and agreed on with the customer and identified in the final test report.

Laboratory requests to deviate from the requirements specified in the DoD/DOE QSM must be requested on a project-basis and include technical justifications for the deviation. These requests are submitted to and approved by the DoD/DOE project chemist or contractor, however name, in addition to the PAS client.

For DoD / DOE projects, will also seek clarification from the customer when the customer has requested an incorrect, obsolete, or improper method for the intended use of data; the laboratory needs to depart from its test method SOP in order to meet project-specific data quality objectives; information in project planning documents is missing or is unclear.

**Section 4.5: Subcontracting**

In addition to written client approval of any subcontractor for testing, the customer is notified of the laboratory's intent to use a subcontractor for any management system element (such as data review, data processing, project management or IT support) and consent for subcontracting is obtained approved in writing by the DoD/DOE customer and record of consent kept in the project record.

**Section 4.6: Purchasing and Supplies**

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The laboratory procedure for records of receipt of materials and supplies used in testing also include a specification to record the date opened (DOE only).

**Section 4.9.3: Nonconforming Work**

The laboratory's procedure for client notification includes the 15-business day DoD /DOE time for notification of the problem and the 30-business day timeframe for submission of the corrective action plan or corrective actions taken. This procedure also includes the DoD/DOE requirement for AB notification of discovery.

**Section 4.13: Control of Records**

Technical Records: The laboratory's procedure for logbooks includes measures to prevent the removal of or addition of pages to the logbook (applies to both hardcopy and electronic). Hardcopy logbooks are version controlled, pre-numbered and bound. Initials and entries are signed or initialed and dated by the person making the entry and the entry is made at the time the activity is performed and in chronological order. Each page of the logbook must be closed by the last person making the entry on the page. Closure is recorded by the initial and date of the person making the last entry.

**Section 5.4.5.3.3: Limit of Detection**

For DoD/DOE the LOD is an estimate of the minimum amount of an analyte that can be reliably detected by an analytical process. For clarification, the LOD is the analyte concentration necessary to distinguish its presence from its absence. The LOD may be used as the lowest concentration for reliably reporting a non-detect (ND). The LOD is specific to each suite of analyte, matrix, and method including sample preparation.

After each DL determination, the laboratory establishes the LOD by spiking a quality system matrix at a concentration of least 2X but no greater than 4X the DL (i.e., 2X DL ≤ LOD Spike ≤ 4X DL). The spike concentration establishes the LOD and the concentration at which the LOD is verified.

The LOD is established during method validation and after major changes to the analytical system or procedure that affects sensitivity of analysis or how the procedure is performed.

An LOD study is not required for any component for which spiking solutions or quality control samples are not available. Additionally, an LOD study is not required if the laboratory does not report data below the LOQ.

The LOD must be verified on a quarterly basis. Each preparation method listed on the scope of accreditation must have quarterly LOD verifications; however, verification of all combinations of preparation and clean-up techniques is not required. Where LOD verifications are not performed on all combinations, the LOD verification is based on the worst-case combination (preparation method with all applicable cleanup steps).

The laboratory's procedure for LOD determination and verification is detailed in SOP ENV-SOP-ORB1-0124 *Determination of LOD and LOQ, most recent revision or replacement.*

**Section 5.4.5.3.4: Limit of Quantitation**

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For DoD/DOE, the LOQ is established for each analyte-matrix-method combination, including surrogates. When an LOD is determined or verified by the laboratory, the LOQ must be above the LOD [DL<LOD<LOQ].

At a minimum, the LOQ must be verified quarterly; however, verification of all combinations of preparation and clean-up techniques is not required. Where LOQ verifications are not performed on all combinations, the LOQ verification on the worst-case combination (preparation method with all applicable cleanup steps).

The laboratory's procedure for LOQ determination and verification is detailed in laboratory SOP INSERT LOCAL SOP REFERENCE.

**Section 5.4.7: Control of Data**

The laboratory will ensure LIMS passwords are changed at least once per year.

An audit of the LIMS will be incorporated into the laboratory's annual internal audit schedule.

The laboratory will have procedures in place to notify DoD/DOE customers of changes to LIMS software or hardware configurations that may impact the customer's integrity of electronic data

**Section 5.9.1: Quality Control**

For DoD/DOE, storage blanks are essential QC to monitor the storage of samples for volatile organic analysis (VOA). The SOP for storage of VOA samples must include a contamination monitoring program based on the performance of storage blanks. (See QSM 5.3.3)

**Section 5.8.5: Sample Disposal**

For DOE projects, the record of disposal must also include how the sample was disposed and the name of the person that performed the task.

**Appendix E: Support Equipment Calibration**

Mechanical Volumetric Pipette: In addition to the quarterly verification check, pipettes used for DoD/DOE projects are checked daily before use using the same procedure and criteria specified for the quarterly check.

Water Purification System: The performance of the water purification system is checked daily prior to use in accordance with SOP ENV-SOP-ORB1-0108 *Water and Bottle Lot Testing* most recent revision or replacement.

Radiological Survey Equipment: The performance of the radiological survey equipment is checked daily prior to use is not applicable.

**Additional: (DOE):** Section 6.0 of the QSM outlines additional management system requirements for the management of hazardous and radioactive materials management and health and safety practices. The laboratory, if approved for DOE, will consult with the PAS Health and Safety Director to establish plans, policies and procedures that conform to these comprehensive specifications and incorporate these documents into the QMS.

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## 8.2 UCMR 5

This addendum outlines additional policies and processes established by this laboratory to maintain compliance with UCMR 5 program specific requirements. These requirements are outlined in the UCMR 5 Laboratory Approval Requirements and Information Document. Data may not be uploaded to the Safe Drinking Water Accession and Review System (SDWARS) if it does not comply with these requirements.

**Section 5.8.3: Sample Receipt Checks and Sample Acceptance Policy**

Samples that are not received in a secure manner, are received in inappropriate containers, are received outside the required temperature range, are received outside the recognized holding time, are received with inadequate identification on sample containers and/or COC or are improperly preserved cannot be reported to SDWARS for UCMR compliance.

**Section 5.8.3.1: Sample Receipt Checks - Thermal Preservation**

Samples must be received at the laboratory within 48 hours of collection and must be ≤ 10oC. After arrival or within 48 hours of collection, whichever is sooner, the samples must be refrigerated at ≤ 6°C. Samples received more than 48 hours after collection are valid only if they are received at ≤ 6°C and the laboratory can obtain documentation from the client to verify that they were refrigerated between collection and shipment. Temperature requirements apply to all UCMR samples with the exception of metals by EPA 200.8.

**Section 5.9.1.1.3: Method Blank**

The method blank will be considered contaminated if the concentration of any target analyte in the method blank is greater than 1/3 the MRL for that analyte. If samples cannot be re-processed, then samples must be re-collected. Data with a failing method blank cannot be reported to SDWARS.

**Section 5.9.1.1.4: Laboratory Control Sample (LCS)**

If the LCS recovery fails, then all data for the problem analyte are considered invalid for all samples in the Extraction or Digestion Batch. Data associated with a failing LCS must not be reported to SDWARS. If the LCS surrogate or internal standard fails QC criteria, all data for the Extraction or Digestion Batch must not be reported to SDWARS.

**Section 5.9.1.1.5: Matrix Spikes (MS/MSD)**

A UCMR sample must be used as the parent sample for the MS/MSD in batches containing UCMR samples. The spike concentration of the MS/MSD must be alternated between a low- and mid-level concentration.

There are no method analyte recovery acceptance criteria specific for MS/MSD results. Data should not be rejected based on the recovery of the fortified target analytes or on the precision between the MS and MSD, provided internal standard and surrogate standard recoveries and all other QC results are valid. If surrogate or internal standard recovery fails criteria in the MS and MSD, do not report results. If one of the fortified samples fails QC, the results of the fortified sample that passes,

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should be reported as the MS. The entire analysis batch does not need to be reanalyzed because of a failure of a surrogate or internal standard in MS or MSD. Recollection of the field sample is not required with a surrogate or internal standard fails criteria in the MS/MSD.

**Section 5.9.1.1.7: Surrogates**

A sample that fails QC criteria for surrogate recovery should be rerun in case a mis-injection occurred. If the sample continues to fail surrogate QC criteria, the laboratory should process a new aliquot of the sample. Typically, data for samples with failed surrogate recovery must not be reported to SDWARS.

If the surrogate recovery fails the acceptance criteria in a MB or LCS, the MB or LCS may be reanalyzed later in the Analysis Batch. If surrogate recovery fails again, all field sample results for the associated Extraction Batch are invalid and must not be reported. If the surrogate recovery fails in an MB that is needed to pass an Analysis Batch, all data for that Analysis Batch are invalid and must not be reported. If possible, the laboratory should process new aliquots of the affected samples; if this is not possible, the affected field samples must be recollected. One LCS must pass surrogate recovery within a 24-h period of analysis. If not, the samples in the Analysis Batches that correspond to that required LCS, cannot be reported.

**Section 5.9.1.1.8: Internal Standards**

If the internal standard recovery in a sample fails the acceptance criteria, then the results for the analytes that are associated with the internal standard in that sample are invalid. Data that fail internal standard criteria must not be reported to SDWARS. If possible, the laboratory should process a new aliquot of the sample; if this is not possible, the field sample must be recollected.

For an Extraction Batch or Digestion Batch, if the internal standard recoveries in a MB or LCS fail the acceptance criteria, all data for the analytes that are associated with that internal standard in that Extraction Batch or Digestion Batch are invalid and must not be reported. If the internal standard recoveries in a MB or LCS fail the acceptance criteria in an Analysis Batch, all data for the analytes that are associated with that internal standard in the Analysis Batch are invalid and must not be reported. If possible, the laboratory should process new aliquots of the affected samples.

**D. Statement of the amount of sub lab work, and staffing discussion**

The amount of subcontract Laboratory work is kept to a minimum on this ITB. Since the definition of the subcontract work is based on the number of samples we find there to be ~4900 samples on the pricing sheet. Pace will be subcontracting the following:

Giardia/Cryptosporidium to BCS Laboratory 1 Sample
Acute Bioassay to EcoAnalysts 2 samples.

Pace will clearly be below the 10 % requirement based on sample number as described in the Scope of Work section 1g on page 28 of 34 of the ITB document. This calculates <0.05% subcontract.

Pace Florida has been the incumbent laboratory for the City of Ormond beach and has plenty of capacity to continue the work under this contract as stated in ITB 2025-47. This has been proven over the years as Pace is very familiar with the needs of the City of Ormond Beach. The anticipated amount of work, by revenue, from this contract is <1% of our total workload and will be processed on time to the City of Ormond Beach.

**E. Most recent WP/WS Proficiency Testing**

The Reminder of this page is left intentionally blank.

ERA
A Waters Company

**Lynn Baylor**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**USA**

# *WP-360 Final Report*

## WatR™ Pollution Proficiency Testing

## WatR™ Pollution Study

## Open Date: 01/21/2025

## Close Date: 03/07/2025

## Report Issued Date: 03/11/2025

ERA
A Waters Company

March 11, 2025

Lynn Baylor
Pace Analytical Services LLC - Ormond Beach
8 East Tower Circle
Ormond Beach, FL 32174

Enclosed is your final report for ERA's WP-360 WatR™Pollution Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WP-360 WatR™Pollution Proficiency Testing study have been evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) table the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the table and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT table, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have many years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be useful in helping you work through your technical issues.

Thank you for your participation in ERA's WP-360 WatR™Pollution Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,



Craig Huff
Senior Technical Manager

attachments

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| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| Florida | Susanne Crowe / 904-791-1550 | All Analytes |
| Kansas | Paul Harrison / 785-296-6198 | All Analytes |
| Louisiana | Paul Bergeron / 225-219-3247 | All Analytes |
| North Carolina (WP) | Todd Crawford / 919-733-3908 x202 | All Analytes |
| South Carolina | Certification Officer / | All Analytes |
| Palm Beach County Solid Waste Authority | Kevin Johnson / | All Analytes |
| Palm Beach County Solid Waste Authority | Tom Sirna / | All Analytes |
| U.S. EPA Region 4 LSASD/QAPSB/QAS | Jeff Wilmoth / (706) 355-8623 | All Analytes |

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# WP-360 Definitions & Study Discussion

**Study Dates: 01/21/2025 - 03/07/2025** **Report Issued: 03/11/2025**

## WP Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current TNI Fields of Proficiency Testing (FoPT) table. A parameter not added to the standard is given an Assigned Value of "< PTRL" per the guidelines contained in the 2016 TNI Standard. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards.

The Acceptance Limits are established per the criteria contained in the most current TNI FoPT table or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

| | |
|---|---|
| Acceptable | = Reported Value falls within the Acceptance Limits. |
| Not Acceptable | = Reported Value falls outside the Acceptance Limits. |
| No Evaluation | = Reported Value cannot be evaluated. |
| Not Reported | = No Value reported. |

The Method Description is the method the laboratory reported to ERA.

## WP Study Discussion

ERA's WP-360 WatR™Pollution Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2016 TNI Standard and the criteria contained in the most current TNI Fields of Proficiency Testing (FoPT) table.

ERA's WP-360 WatR™Pollution study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes met the acceptance criteria contained in the 2016 TNI Standard and the criteria contained in the most current TNI FoPT table.

All activities associated with this proficiency testing study were performed by Waters/ERA with the exception of those noted below. The following physical samples/products were manufactured for Waters/ERA by a subcontractor:

Microbiology products with the following catalog numbers:
880, 935, 079, 077, 080, 595, 595A, 576, 576A

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's WP-360 WatR™Pollution study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™Pollution Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.

# WP-360 Laboratory Exception Report

**Lynn Baylor**
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**Ormond Beach, FL 32174**
**(386) 676-4803**

| | |
|---|---|
| **EPA ID:** | **FL01264** |
| **ERA Customer Number:** | **E550101** |
| **Report Issued:** | **03/11/2025** |
| **Study Dates:** | **01/21/2025 - 03/07/2025** |

## Not Acceptable Evaluations

There were no Not Acceptable evaluations for this study.

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# Final Report Results For Laboratory
# Pace Analytical Services LLC - Ormond Beach

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# Final Evaluation Report

Study: **WP-360**

ERA Customer Number: **E550101**

Laboratory Name: **Pace Analytical Services LLC - Ormond Beach**

## Inorganic Results

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Minerals (cat# 581, lot# P360-506)*** | | | | | | | | | | | | |
| 1505 | Alkalinity as CaCO3 | mg/L | 56.7 | 53.2 | 45.2 - 61.2 | Acceptable | SM 2320 B-2021 2021 | 2/6/2025 | 0.942 | 53.6 | 3.25 | SAH |
| 1575 | Chloride | mg/L | 87.7 | 85.0 | 74.4 - 95.8 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | 0.322 | 86.5 | 3.65 | EAD |
| 1610 | Conductivity at 25°C | µmhos/cm | 442 | 410 | 369 - 451 | Acceptable | SM 2510 B-2021 2021 | 1/28/2025 | 3.34 | 408 | 10.3 | SWB |
| 1730 | Fluoride | mg/L | 1.78 | 1.85 | 1.47 - 2.17 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | -0.716 | 1.85 | 0.101 | EAD |
| 1125 | Potassium | mg/L | 8.39 | 8.30 | 6.64 - 9.96 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.0586 | 8.37 | 0.408 | AF |
| 1155 | Sodium | mg/L | 80.9 | 79.0 | 63.2 - 94.8 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.611 | 78.5 | 3.98 | AF |
| 2000 | Sulfate | mg/L | 5.96 | 5.52 | 3.46 - 7.02 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | 1.06 | 5.45 | 0.484 | EAD |
| 1955 | Total Dissolved Solids at 180°C | mg/L | | 274 | 229 - 319 | Not Reported | | | | 268 | 17.8 | |
| 1950 | Total Solids at 105°C | mg/L | | 280 | 235 - 325 | Not Reported | | | | 278 | 20.9 | |
| ***WP Minerals (cat# 581, lot# P360-506)*** | | | | | | | | | | | | |
| 1505 | Alkalinity as CaCO3 | mg/L | | 53.2 | 45.2 - 61.2 | Not Reported | | | | 53.6 | 3.25 | |
| 1575 | Chloride | mg/L | 87.7 | 85.0 | 74.4 - 95.8 | Acceptable | EPA 9056A 2007 | 1/29/2025 | 0.322 | 86.5 | 3.65 | EAD |
| 1610 | Conductivity at 25°C | µmhos/cm | | 410 | 369 - 451 | Not Reported | | | | 408 | 10.3 | |
| 1730 | Fluoride | mg/L | 1.78 | 1.85 | 1.47 - 2.17 | Acceptable | EPA 9056A 2007 | 1/29/2025 | -0.716 | 1.85 | 0.101 | EAD |
| 1125 | Potassium | mg/L | 8.39 | 8.30 | 6.64 - 9.96 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.0586 | 8.37 | 0.408 | AF |
| 1155 | Sodium | mg/L | 80.9 | 79.0 | 63.2 - 94.8 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.611 | 78.5 | 3.98 | AF |
| 2000 | Sulfate | mg/L | 5.96 | 5.52 | 3.46 - 7.02 | Acceptable | EPA 9056A 2007 | 1/29/2025 | 1.06 | 5.45 | 0.484 | EAD |
| 1955 | Total Dissolved Solids at 180°C | mg/L | | 274 | 229 - 319 | Not Reported | | | | 268 | 17.8 | |
| 1950 | Total Solids at 105°C | mg/L | | 280 | 235 - 325 | Not Reported | | | | 278 | 20.9 | |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Hardness (cat# 580, lot# P360-507)*** | | | | | | | | | | | | |
| 1960 | Total Suspended Solids | mg/L | | 43.6 | 33.1 - 50.4 | Not Reported | | | | 42.8 | 1.97 | |
| 1035 | Calcium | mg/L | 82.1 | 77.6 | 66.0 - 89.2 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.842 | 78.9 | 3.85 | AF |
| 1085 | Magnesium | mg/L | 15.3 | 14.9 | 12.7 - 17.1 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.281 | 15.1 | 0.721 | AF |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 205 | 194 | 165 - 223 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.842 | 197 | 9.48 | AF |
| 1755 | Total Hardness as CaCO3 | mg/L | 268 | 255 | 217 - 293 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.768 | 258 | 12.9 | AF |
| ***WP Hardness (cat# 580, lot# P360-507)*** | | | | | | | | | | | | |
| 1960 | Total Suspended Solids | mg/L | | 43.6 | 33.1 - 50.4 | Not Reported | | | | 42.8 | 1.97 | |
| 1035 | Calcium | mg/L | 82.1 | 77.6 | 66.0 - 89.2 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.842 | 78.9 | 3.85 | AF |
| 1085 | Magnesium | mg/L | 15.3 | 14.9 | 12.7 - 17.1 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.281 | 15.1 | 0.721 | AF |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 205 | 194 | 165 - 223 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.842 | 197 | 9.48 | AF |
| 1755 | Total Hardness as CaCO3 | mg/L | 268 | 255 | 217 - 293 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.768 | 258 | 12.9 | AF |
| ***WP Hardness (cat# 580, lot# P360-507)*** | | | | | | | | | | | | |
| 1960 | Total Suspended Solids | mg/L | | 43.6 | 33.1 - 50.4 | Not Reported | | | | 42.8 | 1.97 | |
| 1035 | Calcium | mg/L | | 77.6 | 66.0 - 89.2 | Not Reported | | | | 78.9 | 3.85 | |
| 1085 | Magnesium | mg/L | | 14.9 | 12.7 - 17.1 | Not Reported | | | | 15.1 | 0.721 | |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 205 | 194 | 165 - 223 | Acceptable | SM 2340 B-2021 2021 | 3/1/2025 | 0.842 | 197 | 9.48 | AF |
| 1755 | Total Hardness as CaCO3 | mg/L | 268 | 255 | 217 - 293 | Acceptable | SM 2340 B-2021 2021 | 3/1/2025 | 0.768 | 258 | 12.9 | AF |
| ***WP pH (cat# 577, lot# P360-977)*** | | | | | | | | | | | | |
| 1900 | pH | S.U. | 6.41 | 6.39 | 6.19 - 6.59 | Acceptable | SM 4500-H+ B-2021 2021 | 2/7/2025 | 0.249 | 6.40 | 0.0462 | SWB |

# WP-360 Final Evaluation Report

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP pH (cat# 577, lot# P360-977)*** | | | | | | | | | | | | |
| 1900 | pH | S.U. | 6.4 | 6.39 | 6.19 - 6.59 | Acceptable | EPA 9040C 2004 | 3/7/2025 | 0.0322 | 6.40 | 0.0462 | SWB |
| ***WP Solids (cat# 241, lot# P360-499)*** | | | | | | | | | | | | |
| 1960 | Total Suspended Solids | mg/L | 60.5 | 64.1 | 51.2 - 72.2 | Acceptable | SM 2540 D-2020 2020 | 1/29/2025 | -1.21 | 63.2 | 2.22 | VAG |
| 1955 | Total Dissolved Solids at 180°C | mg/L | 569 | 573 | 516 - 630 | Acceptable | SM 2540 C-2020 2020 | 1/30/2025 | 0.577 | 558 | 19.5 | HDV |
| 1950 | Total Solids at 105°C | mg/L | 638 | 651 | 586 - 716 | Acceptable | SM 2540 B-2020 2020 | 1/29/2025 | 0.0923 | 636 | 20.9 | VAG |
| ***WP Simple Nutrients (cat# 584, lot# P360-505)*** | | | | | | | | | | | | |
| 1515 | Ammonia as N | mg/L | 17.7 | 18.2 | 14.7 - 21.6 | Acceptable | EPA 350.1 2 1993 | 1/30/2025 | -0.500 | 18.2 | 0.979 | AEL |
| 1820 | Nitrate + Nitrite as N | mg/L | 13.4 | 13.2 | 11.0 - 15.3 | Acceptable | EPA 300.0 2.1 1993 | 2/24/2025 | 0.335 | 13.2 | 0.722 | CMB |
| 1810 | Nitrate as N | mg/L | 13.4 | 13.2 | 11.0 - 15.4 | Acceptable | EPA 300.0 2.1 1993 | 2/24/2025 | 0.300 | 13.2 | 0.705 | CMB |
| 1870 | ortho-Phosphate as P | mg/L | 4.52 | 4.75 | 4.04 - 5.46 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | -0.891 | 4.80 | 0.317 | EAD |
| 1827 | Total Nitrogen | mg/L | | 31.4 | 17.9 - 44.9 | Not Reported | | | | 31.3 | 2.32 | |
| ***WP Simple Nutrients (cat# 584, lot# P360-505)*** | | | | | | | | | | | | |
| 1515 | Ammonia as N | mg/L | | 18.2 | 14.7 - 21.6 | Not Reported | | | | 18.2 | 0.979 | |
| 1820 | Nitrate + Nitrite as N | mg/L | 11.9 | 13.2 | 11.0 - 15.3 | Acceptable | EPA 353.2 2 1993 | 2/25/2025 | -1.74 | 13.2 | 0.722 | WW1 |
| 1810 | Nitrate as N | mg/L | 11.9 | 13.2 | 11.0 - 15.4 | Acceptable | EPA 353.2 2 1993 | 2/25/2025 | -1.83 | 13.2 | 0.705 | WW1 |
| 1870 | ortho-Phosphate as P | mg/L | 4.51 | 4.75 | 4.04 - 5.46 | Acceptable | EPA 365.1 2 1993 | 1/31/2025 | -0.922 | 4.80 | 0.317 | KW1 |
| 1827 | Total Nitrogen | mg/L | | 31.4 | 17.9 - 44.9 | Not Reported | | | | 31.3 | 2.32 | |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Simple Nutrients (cat# 584, lot# P360-505)*** | | | | | | | | | | | | |
| 1515 | Ammonia as N | mg/L | | 18.2 | 14.7 - 21.6 | Not Reported | | | | 18.2 | 0.979 | |
| 1820 | Nitrate + Nitrite as N | mg/L | 13.4 | 13.2 | 11.0 - 15.3 | Acceptable | EPA 9056A 2007 | 2/24/2025 | 0.335 | 13.2 | 0.722 | CMB |
| 1810 | Nitrate as N | mg/L | 13.4 | 13.2 | 11.0 - 15.4 | Acceptable | EPA 9056A 2007 | 2/24/2025 | 0.300 | 13.2 | 0.705 | CMB |
| 1870 | ortho-Phosphate as P | mg/L | 4.52 | 4.75 | 4.04 - 5.46 | Acceptable | EPA 9056A 2007 | 1/29/2025 | -0.891 | 4.80 | 0.317 | EAD |
| 1827 | Total Nitrogen | mg/L | | 31.4 | 17.9 - 44.9 | Not Reported | | | | 31.3 | 2.32 | |
| ***WP Complex Nutrients (cat# 579, lot# P360-525)*** | | | | | | | | | | | | |
| 1795 | Total Kjeldahl Nitrogen | mg/L | 10.8 | 12.0 | 8.85 - 14.9 | Acceptable | EPA 351.2 2 1993 | 2/27/2025 | -1.38 | 11.9 | 0.798 | AGS |
| 1910 | Total phosphorus as P | mg/L | 3.48 | 3.37 | 2.77 - 3.94 | Acceptable | EPA 365.3 1978 | 2/12/2025 | 1.04 | 3.30 | 0.173 | AMD1 |
| ***WP Complex Nutrients (cat# 579, lot# P360-525)*** | | | | | | | | | | | | |
| 1795 | Total Kjeldahl Nitrogen | mg/L | | 12.0 | 8.85 - 14.9 | Not Reported | | | | 11.9 | 0.798 | |
| 1910 | Total phosphorus as P | mg/L | 3.07 | 3.37 | 2.77 - 3.94 | Acceptable | EPA 365.4 1974 | 3/5/2025 | -1.33 | 3.30 | 0.173 | AGS |
| ***WP Nitrite (cat# 888, lot# P360-770)*** | | | | | | | | | | | | |
| 1840 | Nitrite as N | mg/L | 2.7 | 2.73 | 2.35 - 3.12 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | -0.387 | 2.76 | 0.149 | EAD |
| ***WP Nitrite (cat# 888, lot# P360-770)*** | | | | | | | | | | | | |
| 1840 | Nitrite as N | mg/L | 3.08 | 2.73 | 2.35 - 3.12 | Acceptable | EPA 353.2 2 1993 | 1/29/2025 | 2.16 | 2.76 | 0.149 | KW1 |
| ***WP Demand (cat# 578, lot# P360-516)*** | | | | | | | | | | | | |
| 1530 | BOD | mg/L | 35.2 | 32.1 | 16.1 - 48.1 | Acceptable | SM 5210 B-2016 2016 | 2/5/2025 | 0.530 | 31.6 | 6.81 | LS1 |
| 1555 | CBOD | mg/L | 32.5 | 29.1 | 12.0 - 46.1 | Acceptable | SM 5210 B-2016 2016 | 2/5/2025 | 0.377 | 30.2 | 6.18 | LS1 |
| 1565 | COD | mg/L | 49.3 | 51.4 | 34.6 - 66.0 | Acceptable | EPA 410.4 2 1993 | 2/7/2025 | -0.441 | 51.7 | 5.48 | JH |
| 2040 | TOC | mg/L | 19.6 | 20.3 | 16.4 - 24.3 | Acceptable | SM 5310 B-2014 2014 | 1/31/2025 | -0.602 | 20.4 | 1.37 | JH |

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | 4010 | 3690 | 3080 - 4190 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.63 | 3670 | 207 | AF |
| 1005 | Antimony | µg/L | 622 | 611 | 497 - 706 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.244 | 614 | 31.1 | AF |
| 1010 | Arsenic | µg/L | 386 | 409 | 340 - 474 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | -0.794 | 401 | 19.3 | AF |
| 1015 | Barium | µg/L | 2180 | 2120 | 1800 - 2440 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.627 | 2120 | 92.8 | AF |
| 1020 | Beryllium | µg/L | 232 | 231 | 196 - 266 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.252 | 229 | 11.3 | AF |
| 1025 | Boron | µg/L | 1070 | 1110 | 944 - 1280 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | -0.430 | 1100 | 64.1 | AF |
| 1030 | Cadmium | µg/L | 805 | 809 | 688 - 930 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.545 | 785 | 36.6 | AF |
| 1040 | Chromium | µg/L | 866 | 824 | 700 - 948 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.09 | 829 | 34.3 | AF |
| 1050 | Cobalt | µg/L | 219 | 207 | 176 - 238 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.514 | 213 | 11.0 | AF |
| 1055 | Copper | µg/L | 591 | 548 | 466 - 630 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.38 | 556 | 25.5 | AF |
| 1070 | Iron | µg/L | 2180 | 2110 | 1790 - 2430 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.820 | 2110 | 82.0 | AF |
| 1075 | Lead | µg/L | 342 | 320 | 272 - 368 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.24 | 323 | 15.0 | AF |
| 1090 | Manganese | µg/L | 789 | 745 | 633 - 857 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.48 | 739 | 33.7 | AF |
| 1100 | Molybdenum | µg/L | 404 | 413 | 357 - 465 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | -0.189 | 407 | 18.2 | AF |
| 1105 | Nickel | µg/L | 649 | 612 | 535 - 693 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.13 | 617 | 28.3 | AF |
| 1140 | Selenium | µg/L | 393 | 400 | 340 - 460 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | -0.129 | 396 | 23.8 | AF |
| 1150 | Silver | µg/L | 286 | 285 | 242 - 328 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.0622 | 285 | 15.0 | AF |
| 1160 | Strontium | µg/L | 167 | 157 | 133 - 181 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 1.12 | 158 | 7.85 | AF |
| 1165 | Thallium | µg/L | | 321 | 259 - 377 | Not Reported | | | | 321 | 19.3 | |
| 1185 | Vanadium | µg/L | 1870 | 1840 | 1560 - 2120 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.488 | 1830 | 74.7 | AF |

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500) (Continued)*** | | | | | | | | | | | | |
| 1190 | Zinc | µg/L | 994 | 978 | 831 - 1120 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.223 | 984 | 46.5 | AF |

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
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**8 East Tower Circle**
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**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | 4010 | 3690 | 3080 - 4190 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.63 | 3670 | 207 | AF |
| 1005 | Antimony | µg/L | 622 | 611 | 497 - 706 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.244 | 614 | 31.1 | AF |
| 1010 | Arsenic | µg/L | 386 | 409 | 340 - 474 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | -0.794 | 401 | 19.3 | AF |
| 1015 | Barium | µg/L | 2180 | 2120 | 1800 - 2440 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.627 | 2120 | 92.8 | AF |
| 1020 | Beryllium | µg/L | 232 | 231 | 196 - 266 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.252 | 229 | 11.3 | AF |
| 1025 | Boron | µg/L | 1070 | 1110 | 944 - 1280 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | -0.430 | 1100 | 64.1 | AF |
| 1030 | Cadmium | µg/L | 805 | 809 | 688 - 930 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.545 | 785 | 36.6 | AF |
| 1040 | Chromium | µg/L | 866 | 824 | 700 - 948 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.09 | 829 | 34.3 | AF |
| 1050 | Cobalt | µg/L | 219 | 207 | 176 - 238 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.514 | 213 | 11.0 | AF |
| 1055 | Copper | µg/L | 591 | 548 | 466 - 630 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.38 | 556 | 25.5 | AF |
| 1070 | Iron | µg/L | 2180 | 2110 | 1790 - 2430 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.820 | 2110 | 82.0 | AF |
| 1075 | Lead | µg/L | 342 | 320 | 272 - 368 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.24 | 323 | 15.0 | AF |
| 1090 | Manganese | µg/L | 789 | 745 | 633 - 857 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.48 | 739 | 33.7 | AF |
| 1100 | Molybdenum | µg/L | 404 | 413 | 357 - 465 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | -0.189 | 407 | 18.2 | AF |
| 1105 | Nickel | µg/L | 649 | 612 | 535 - 693 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.13 | 617 | 28.3 | AF |
| 1140 | Selenium | µg/L | 393 | 400 | 340 - 460 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | -0.129 | 396 | 23.8 | AF |
| 1150 | Silver | µg/L | 286 | 285 | 242 - 328 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.0622 | 285 | 15.0 | AF |
| 1160 | Strontium | µg/L | 167 | 157 | 133 - 181 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 1.12 | 158 | 7.85 | AF |
| 1165 | Thallium | µg/L | 331 | 321 | 259 - 377 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.539 | 321 | 19.3 | AF |
| 1185 | Vanadium | µg/L | 1870 | 1840 | 1560 - 2120 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.488 | 1830 | 74.7 | AF |

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500) (Continued)*** | | | | | | | | | | | | |
| 1190 | Zinc | µg/L | 994 | 978 | 831 - 1120 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.223 | 984 | 46.5 | AF |

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**8 East Tower Circle**
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**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | | 3690 | 3080 - 4190 | Not Reported | | | | 3670 | 207 | |
| 1005 | Antimony | µg/L | | 611 | 497 - 706 | Not Reported | | | | 614 | 31.1 | |
| 1010 | Arsenic | µg/L | | 409 | 340 - 474 | Not Reported | | | | 401 | 19.3 | |
| 1015 | Barium | µg/L | | 2120 | 1800 - 2440 | Not Reported | | | | 2120 | 92.8 | |
| 1020 | Beryllium | µg/L | | 231 | 196 - 266 | Not Reported | | | | 229 | 11.3 | |
| 1025 | Boron | µg/L | | 1110 | 944 - 1280 | Not Reported | | | | 1100 | 64.1 | |
| 1030 | Cadmium | µg/L | | 809 | 688 - 930 | Not Reported | | | | 785 | 36.6 | |
| 1040 | Chromium | µg/L | | 824 | 700 - 948 | Not Reported | | | | 829 | 34.3 | |
| 1050 | Cobalt | µg/L | | 207 | 176 - 238 | Not Reported | | | | 213 | 11.0 | |
| 1055 | Copper | µg/L | | 548 | 466 - 630 | Not Reported | | | | 556 | 25.5 | |
| 1070 | Iron | µg/L | | 2110 | 1790 - 2430 | Not Reported | | | | 2110 | 82.0 | |
| 1075 | Lead | µg/L | | 320 | 272 - 368 | Not Reported | | | | 323 | 15.0 | |
| 1090 | Manganese | µg/L | | 745 | 633 - 857 | Not Reported | | | | 739 | 33.7 | |
| 1100 | Molybdenum | µg/L | | 413 | 357 - 465 | Not Reported | | | | 407 | 18.2 | |
| 1105 | Nickel | µg/L | | 612 | 535 - 693 | Not Reported | | | | 617 | 28.3 | |
| 1140 | Selenium | µg/L | | 400 | 340 - 460 | Not Reported | | | | 396 | 23.8 | |
| 1150 | Silver | µg/L | 273 | 285 | 242 - 328 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.802 | 285 | 15.0 | BSL |
| 1160 | Strontium | µg/L | | 157 | 133 - 181 | Not Reported | | | | 158 | 7.85 | |
| 1165 | Thallium | µg/L | | 321 | 259 - 377 | Not Reported | | | | 321 | 19.3 | |
| 1185 | Vanadium | µg/L | | 1840 | 1560 - 2120 | Not Reported | | | | 1830 | 74.7 | |

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500) (Continued)*** | | | | | | | | | | | | |
| 1190 | Zinc | µg/L | | 978 | 831 - 1120 | Not Reported | | | | 984 | 46.5 | |

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | | 3690 | 3080 - 4190 | Not Reported | | | | 3670 | 207 | |
| 1005 | Antimony | µg/L | | 611 | 497 - 706 | Not Reported | | | | 614 | 31.1 | |
| 1010 | Arsenic | µg/L | | 409 | 340 - 474 | Not Reported | | | | 401 | 19.3 | |
| 1015 | Barium | µg/L | | 2120 | 1800 - 2440 | Not Reported | | | | 2120 | 92.8 | |
| 1020 | Beryllium | µg/L | | 231 | 196 - 266 | Not Reported | | | | 229 | 11.3 | |
| 1025 | Boron | µg/L | | 1110 | 944 - 1280 | Not Reported | | | | 1100 | 64.1 | |
| 1030 | Cadmium | µg/L | | 809 | 688 - 930 | Not Reported | | | | 785 | 36.6 | |
| 1040 | Chromium | µg/L | | 824 | 700 - 948 | Not Reported | | | | 829 | 34.3 | |
| 1050 | Cobalt | µg/L | | 207 | 176 - 238 | Not Reported | | | | 213 | 11.0 | |
| 1055 | Copper | µg/L | | 548 | 466 - 630 | Not Reported | | | | 556 | 25.5 | |
| 1070 | Iron | µg/L | | 2110 | 1790 - 2430 | Not Reported | | | | 2110 | 82.0 | |
| 1075 | Lead | µg/L | | 320 | 272 - 368 | Not Reported | | | | 323 | 15.0 | |
| 1090 | Manganese | µg/L | | 745 | 633 - 857 | Not Reported | | | | 739 | 33.7 | |
| 1100 | Molybdenum | µg/L | | 413 | 357 - 465 | Not Reported | | | | 407 | 18.2 | |
| 1105 | Nickel | µg/L | | 612 | 535 - 693 | Not Reported | | | | 617 | 28.3 | |
| 1140 | Selenium | µg/L | | 400 | 340 - 460 | Not Reported | | | | 396 | 23.8 | |
| 1150 | Silver | µg/L | 273 | 285 | 242 - 328 | Acceptable | EPA 6020B 2014 | 2/7/2025 | -0.802 | 285 | 15.0 | BSL |
| 1160 | Strontium | µg/L | | 157 | 133 - 181 | Not Reported | | | | 158 | 7.85 | |
| 1165 | Thallium | µg/L | | 321 | 259 - 377 | Not Reported | | | | 321 | 19.3 | |
| 1185 | Vanadium | µg/L | | 1840 | 1560 - 2120 | Not Reported | | | | 1830 | 74.7 | |

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500) (Continued)*** | | | | | | | | | | | | |
| 1190 | Zinc | µg/L | | 978 | 831 - 1120 | Not Reported | | | | 984 | 46.5 | |

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | 3720 | 3690 | 3080 - 4190 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.231 | 3670 | 207 | EAP |
| 1005 | Antimony | µg/L | 612 | 611 | 497 - 706 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | -0.0776 | 614 | 31.1 | EAP |
| 1010 | Arsenic | µg/L | 415 | 409 | 340 - 474 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.706 | 401 | 19.3 | EAP |
| 1015 | Barium | µg/L | 2230 | 2120 | 1800 - 2440 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 1.17 | 2120 | 92.8 | EAP |
| 1020 | Beryllium | µg/L | 235 | 231 | 196 - 266 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.516 | 229 | 11.3 | EAP |
| 1025 | Boron | µg/L | | 1110 | 944 - 1280 | Not Reported | | | | 1100 | 64.1 | |
| 1030 | Cadmium | µg/L | 794 | 809 | 688 - 930 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.245 | 785 | 36.6 | EAP |
| 1040 | Chromium | µg/L | 795 | 824 | 700 - 948 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | -0.981 | 829 | 34.3 | EAP |
| 1050 | Cobalt | µg/L | 220 | 207 | 176 - 238 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.605 | 213 | 11.0 | EAP |
| 1055 | Copper | µg/L | 582 | 548 | 466 - 630 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 1.02 | 556 | 25.5 | EAP |
| 1070 | Iron | µg/L | | 2110 | 1790 - 2430 | Not Reported | | | | 2110 | 82.0 | |
| 1075 | Lead | µg/L | 312 | 320 | 272 - 368 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | -0.762 | 323 | 15.0 | EAP |
| 1090 | Manganese | µg/L | 765 | 745 | 633 - 857 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.772 | 739 | 33.7 | EAP |
| 1100 | Molybdenum | µg/L | 407 | 413 | 357 - 465 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | -0.0241 | 407 | 18.2 | EAP |
| 1105 | Nickel | µg/L | 637 | 612 | 535 - 693 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.709 | 617 | 28.3 | EAP |
| 1140 | Selenium | µg/L | 427 | 400 | 340 - 460 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 1.30 | 396 | 23.8 | EAP |
| 1150 | Silver | µg/L | | 285 | 242 - 328 | Not Reported | | | | 285 | 15.0 | |
| 1160 | Strontium | µg/L | 162 | 157 | 133 - 181 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.487 | 158 | 7.85 | EAP |
| 1165 | Thallium | µg/L | 325 | 321 | 259 - 377 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.227 | 321 | 19.3 | EAP |
| 1185 | Vanadium | µg/L | 1930 | 1840 | 1560 - 2120 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 1.29 | 1830 | 74.7 | EAP |

ISO/IEC 17043:2010 ACCREDITED PROFICIENCY TESTING PROVIDER CERTIFICATE NO. 1539.01

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500) (Continued)*** | | | | | | | | | | | | |
| 1190 | Zinc | µg/L | 1040 | 978 | 831 - 1120 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 1.21 | 984 | 46.5 | EAP |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | 3720 | 3690 | 3080 - 4190 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.231 | 3670 | 207 | EAP |
| 1005 | Antimony | µg/L | 612 | 611 | 497 - 706 | Acceptable | EPA 6020B 2014 | 2/4/2025 | -0.0776 | 614 | 31.1 | EAP |
| 1010 | Arsenic | µg/L | 415 | 409 | 340 - 474 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.706 | 401 | 19.3 | EAP |
| 1015 | Barium | µg/L | 2230 | 2120 | 1800 - 2440 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 1.17 | 2120 | 92.8 | EAP |
| 1020 | Beryllium | µg/L | 235 | 231 | 196 - 266 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.516 | 229 | 11.3 | EAP |
| 1025 | Boron | µg/L | | 1110 | 944 - 1280 | Not Reported | | | | 1100 | 64.1 | |
| 1030 | Cadmium | µg/L | 794 | 809 | 688 - 930 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.245 | 785 | 36.6 | EAP |
| 1040 | Chromium | µg/L | 795 | 824 | 700 - 948 | Acceptable | EPA 6020B 2014 | 2/4/2025 | -0.981 | 829 | 34.3 | EAP |
| 1050 | Cobalt | µg/L | 220 | 207 | 176 - 238 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.605 | 213 | 11.0 | EAP |
| 1055 | Copper | µg/L | 582 | 548 | 466 - 630 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 1.02 | 556 | 25.5 | EAP |
| 1070 | Iron | µg/L | 2020 | 2110 | 1790 - 2430 | Acceptable | EPA 6020B 2014 | 2/4/2025 | -1.13 | 2110 | 82.0 | EAP |
| 1075 | Lead | µg/L | 312 | 320 | 272 - 368 | Acceptable | EPA 6020B 2014 | 2/4/2025 | -0.762 | 323 | 15.0 | EAP |
| 1090 | Manganese | µg/L | 765 | 745 | 633 - 857 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.772 | 739 | 33.7 | EAP |
| 1100 | Molybdenum | µg/L | 407 | 413 | 357 - 465 | Acceptable | EPA 6020B 2014 | 2/4/2025 | -0.0241 | 407 | 18.2 | EAP |
| 1105 | Nickel | µg/L | 637 | 612 | 535 - 693 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.709 | 617 | 28.3 | EAP |
| 1140 | Selenium | µg/L | 427 | 400 | 340 - 460 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 1.30 | 396 | 23.8 | EAP |
| 1150 | Silver | µg/L | | 285 | 242 - 328 | Not Reported | | | | 285 | 15.0 | |
| 1160 | Strontium | µg/L | 162 | 157 | 133 - 181 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.487 | 158 | 7.85 | EAP |
| 1165 | Thallium | µg/L | 325 | 321 | 259 - 377 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 0.227 | 321 | 19.3 | EAP |
| 1185 | Vanadium | µg/L | 1930 | 1840 | 1560 - 2120 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 1.29 | 1830 | 74.7 | EAP |

ISO/IEC 17043:2010 ACCREDITED PROFICIENCY TESTING PROVIDER CERTIFICATE NO. 1539.01

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Trace Metals (cat# 586, lot# P360-500) (Continued)*** | | | | | | | | | | | | |
| 1190 | Zinc | µg/L | 1040 | 978 | 831 - 1120 | Acceptable | EPA 6020B 2014 | 2/4/2025 | 1.21 | 984 | 46.5 | EAP |
| ***WP Mercury (cat# 574, lot# P360-514)*** | | | | | | | | | | | | |
| 1095 | Mercury | µg/L | 15.6 | 16.3 | 11.4 - 21.2 | Acceptable | EPA 7470A 1 1994 | 1/29/2025 | -0.166 | 15.9 | 1.63 | JNK |
| ***WP Mercury (cat# 574, lot# P360-514)*** | | | | | | | | | | | | |
| 1095 | Mercury | µg/L | 15.6 | 16.3 | 11.4 - 21.2 | Acceptable | EPA 245.1 3 1994 | 1/29/2025 | -0.166 | 15.9 | 1.63 | JNK |
| ***WP Hexavalent Chromium (cat# 898, lot# P360-984)*** | | | | | | | | | | | | |
| 1045 | Hexavalent Chromium | µg/L | 351 | 348 | 290 - 402 | Acceptable | EPA 218.6 3.3 1994 | 1/29/2025 | 0.394 | 343 | 19.4 | EAD |
| ***WP Tin & Titanium (cat# 573, lot# P360-517)*** | | | | | | | | | | | | |
| 1175 | Tin | µg/L | 816 | 816 | 571 - 1060 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.210 | 806 | 49.9 | AF |
| 1180 | Titanium | µg/L | 147 | 148 | 126 - 170 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | -0.0577 | 147 | 6.59 | AF |
| ***WP Tin & Titanium (cat# 573, lot# P360-517)*** | | | | | | | | | | | | |
| 1175 | Tin | µg/L | 816 | 816 | 571 - 1060 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.210 | 806 | 49.9 | AF |
| 1180 | Titanium | µg/L | 147 | 148 | 126 - 170 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | -0.0577 | 147 | 6.59 | AF |
| ***WP Tin & Titanium (cat# 573, lot# P360-517)*** | | | | | | | | | | | | |
| 1175 | Tin | µg/L | | 816 | 571 - 1060 | Not Reported | | | | 806 | 49.9 | |
| 1180 | Titanium | µg/L | 149 | 148 | 126 - 170 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.246 | 147 | 6.59 | EAP |
| ***WP Uranium (cat# 4400, lot# P360-4402)*** | | | | | | | | | | | | |
| 1184 | Uranium (mass) | µg/L | 169 | 166 | 125 - 193 | Acceptable | EPA 200.8 5.4 1994 | 2/4/2025 | 0.984 | 161 | 8.29 | EAP |
| ***WP Color (cat# 882C, lot# P360-1070C)*** | | | | | | | | | | | | |
| 1605 | Color | PC units | 10 | 15.0 | 5.85 - 23.8 | Acceptable | SM 2120 B-2021 2021 | 1/28/2025 | -9.69 | 15.0 | 0.512 | JC |

# WP-360 Final Evaluation Report

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**EPA ID:** **FL01264**
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**Report Issued:** **03/11/2025**
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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Turbidity (cat# 893, lot# P360-777)*** | | | | | | | | | | | | |
| 2055 | Turbidity | NTU | 5.5 | 5.82 | 4.50 - 7.11 | Acceptable | EPA 180.1 2 1993 | 1/28/2025 | -1.86 | 6.08 | 0.310 | KW1 |
| ***WP Total Cyanide (cat# 588, lot# P360-502)*** | | | | | | | | | | | | |
| 1645 | Cyanide, total | mg/L | 0.558 | 0.479 | 0.311 - 0.647 | Acceptable | EPA 335.4 1 1993 | 2/7/2025 | 1.79 | 0.472 | 0.0480 | CLL |
| 1510 | Amenable Cyanide | mg/L | | 0.241 | 0.157 - 0.325 | Not Reported | | | | 0.258 | 0.0592 | |
| 1523 | Available Cyanide | mg/L | | 0.241 | 0.157 - 0.325 | Not Reported | | | | 0.249 | 0.0253 | |
| ***WP Total Cyanide (cat# 588, lot# P360-502)*** | | | | | | | | | | | | |
| 1645 | Cyanide, total | mg/L | 0.5 | 0.479 | 0.311 - 0.647 | Acceptable | EPA 9012B Update IIIB 2004 | 1/31/2025 | 0.583 | 0.472 | 0.0480 | JH2 |
| 1510 | Amenable Cyanide | mg/L | | 0.241 | 0.157 - 0.325 | Not Reported | | | | 0.258 | 0.0592 | |
| 1523 | Available Cyanide | mg/L | | 0.241 | 0.157 - 0.325 | Not Reported | | | | 0.249 | 0.0253 | |
| ***WP Silica (cat# 890, lot# P360-775)*** | | | | | | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 66.9 | 68.4 | 51.3 - 85.5 | Acceptable | EPA 200.7 4.4 1994 | 3/1/2025 | 0.143 | 66.2 | 4.73 | AF |
| ***WP Silica (cat# 890, lot# P360-775)*** | | | | | | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 66.9 | 68.4 | 51.3 - 85.5 | Acceptable | EPA 6010D Update 2018 | 3/1/2025 | 0.143 | 66.2 | 4.73 | AF |
| ***WP Sulfide (cat# 891, lot# P360-071)*** | | | | | | | | | | | | |
| 2005 | Sulfide | mg/L | 6.24 | 7.01 | 3.26 - 10.0 | Acceptable | SM 4500-$S^{2-}$ F-2021 2021 | 2/6/2025 | -0.545 | 6.89 | 1.20 | JJB |
| ***WP Surfactants - MBAS (cat# 892, lot# P360-776)*** | | | | | | | | | | | | |
| 2025 | Surfactants - MBAS | mg/L | 0.48 | 0.434 | 0.259 - 0.632 | Acceptable | SM 5540 C-2021 2021 | 2/6/2025 | 0.0584 | 0.475 | 0.0934 | JJB |
| ***WP Bromide (cat# 887, lot# P360-769)*** | | | | | | | | | | | | |
| 1540 | Bromide | mg/L | 8.15 | 8.34 | 7.09 - 9.64 | Acceptable | EPA 300.0 2.1 1993 | 2/15/2025 | -0.703 | 8.50 | 0.502 | CMB |

# WP-360 Final Evaluation Report

A Waters Company

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**8 East Tower Circle**
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**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Bromide (cat# 887, lot# P360-769)*** | | | | | | | | | | | | |
| 1540 | Bromide | mg/L | 8.15 | 8.34 | 7.09 - 9.64 | Acceptable | EPA 9056A 2007 | 2/15/2025 | -0.703 | 8.50 | 0.502 | CMB |
| ***WP Total Residual Chlorine (cat# 587, lot# P360-501)*** | | | | | | | | | | | | |
| 1945 | Free Residual Chlorine | mg/L | 2.2 | 2.11 | 1.55 - 2.47 | Acceptable | SM 4500-Cl D-2011 2011 | 2/7/2025 | 0.771 | 2.07 | 0.169 | JJB |
| 1940 | Total Residual Chlorine | mg/L | 2.2 | 2.18 | 1.60 - 2.55 | Acceptable | SM 4500-Cl D-2011 2011 | 2/7/2025 | 0.490 | 2.13 | 0.150 | JJB |

ERA
A Waters Company

# Final Evaluation Report

Study: **WP-360**

ERA Customer Number: **E550101**

Laboratory Name: **Pace Analytical Services LLC - Ormond Beach**

## Microbiology Results

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP WasteWatR™ Coliform MicrobE™ (cat# 576, lot# P360-083)*** | | | | | | | | | | | | |
| 2500 | Total Coliforms (MF) | CFU/100mL | 780 | 773 | 488 - 1220 | Acceptable | SM 9222 B-2015 2015 | 1/29/2025 | 0.0601 | 773 | 123 | AMD1 |
| 2530 | Fecal Coliforms (MF) | CFU/100mL | 470 | 448 | 183 - 1100 | Acceptable | SM 9222 D-2015 2015 | 2/25/2025 | 0.164 | 448 | 152 | AMD1 |
| 2525 | E.coli (MF) | CFU/100mL | | 478 | 119 - 1910 | Not Reported | | | | 478 | 299 | |
| 2500 | Total Coliform (MPN-Multiple Well) | MPN/100mL | 1050 | 1070 | 572 - 1990 | Acceptable | SM 9223 B-2016 2016 | 1/29/2025 | -0.0773 | 1070 | 236 | AMD1 |
| 2530 | Fecal Coliform (MPN-Multiple Well) | MPN/100mL | 980 | 734 | 318 - 1690 | Acceptable | Colilert®-18 (Fecal Coliforms) 2010 | 1/29/2025 | 1.04 | 734 | 229 | AMD1 |
| 2525 | E.coli (MPN-Multiple Well) | MPN/100mL | 1050 | 1060 | 539 - 2080 | Acceptable | SM 9223 B-2016 2016 | 1/29/2025 | -0.0349 | 1060 | 256 | AMD1 |
| ***WP Enterococci (cat# 880, lot# P360-081)*** | | | | | | | | | | | | |
| 2520 | Enterococci (MF) | CFU/100mL | | 63.0 | 27.0 - 149 | Not Reported | | | | 63.2 | 20.3 | |
| 2520 | Enterococci (MPN-Multiple Tube) | MPN/100mL | | 75.0 | 16.0 - 340 | Not Reported | | | | 44.1 | 31.7 | |
| 2520 | Enterococci (MPN-Multiple Well) | MPN/100mL | 67 | 47.8 | 26.4 - 86.5 | Acceptable | ENTEROLERT | 1/29/2025 | 1.71 | 47.8 | 10.0 | AMD1 |
| 2540 | Fecal Streptococci (MF) | CFU/100mL | | 61.0 | 29.0 - 128 | Not Reported | | | | 47.6 | 0.00 | |
| 2540 | Fecal Streptococci (MPN-Multiple Tube) | MPN/100mL | | 75.0 | 16.0 - 340 | Not Reported | | | | 33.0 | 0.00 | |

ERA
A Waters Company

# Final Evaluation Report

Study: **WP-360**

ERA Customer Number: **E550101**

Laboratory Name: **Pace Analytical Services LLC - Ormond Beach**

## Organic Results

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**8 East Tower Circle**
**Ormond Beach, FL 32174**
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP EDB/DBCP/TCP (cat# 562, lot# P360-692)*** | | | | | | | | | | | | |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | µg/L | 0.845 | 0.854 | 0.495 - 1.21 | Acceptable | EPA 8011 1992 | 1/30/2025 | -0.0569 | 0.853 | 0.133 | SCL |
| 4585 | 1,2-Dibromoethane (EDB) | µg/L | 1.26 | 1.57 | 0.911 - 2.08 | Acceptable | EPA 8011 1992 | 1/30/2025 | -1.25 | 1.52 | 0.211 | SCL |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | | 1.11 | 0.630 - 1.54 | Not Reported | | | | 1.07 | 0.144 | |

# WP-360 Final Evaluation Report

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Volatiles (cat# 830, lot# P360-710)*** | | | | | | | | | | | | |
| 4315 | Acetone | µg/L | 62.4 | 55.4 | 13.7 - 91.6 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.851 | 52.2 | 12.0 | AST |
| 4320 | Acetonitrile | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4325 | Acrolein | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4340 | Acrylonitrile | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4375 | Benzene | µg/L | 35.7 | 40.3 | 28.2 - 52.4 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.222 | 34.9 | 3.48 | AST |
| 4385 | Bromobenzene | µg/L | < 1 | < 3.40 | 0.00 - 3.40 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4390 | Bromochloromethane | µg/L | < 1 | < 3.50 | 0.00 - 3.50 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4395 | Bromodichloromethane | µg/L | 42 | 38.5 | 23.1 - 53.9 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.802 | 38.8 | 4.01 | AST |
| 4400 | Bromoform | µg/L | 62.7 | 61.7 | 37.0 - 86.4 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.206 | 61.0 | 8.15 | AST |
| 4950 | Bromomethane | µg/L | < 8 | < 8.00 | 0.00 - 8.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4410 | 2-Butanone (MEK) | µg/L | < 1.7 | < 1.70 | 0.00 - 1.70 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4435 | n-Butylbenzene | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4440 | sec-Butylbenzene | µg/L | < 1 | < 3.20 | 0.00 - 3.20 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4445 | tert-Butylbenzene | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 57.9 | 59.0 | 39.4 - 80.6 | Acceptable | EPA 8260D 2018 | 2/3/2025 | -0.402 | 61.0 | 7.62 | AST |
| 4450 | Carbon disulfide | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4455 | Carbon tetrachloride | µg/L | 35.5 | 33.9 | 18.6 - 46.5 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.914 | 30.0 | 5.99 | AST |
| 4475 | Chlorobenzene | µg/L | 68.1 | 66.4 | 46.5 - 86.3 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.812 | 63.1 | 6.17 | AST |
| 4575 | Chlorodibromomethane | µg/L | < 2 | < 6.00 | 0.00 - 6.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4485 | Chloroethane | µg/L | < 8 | < 8.00 | 0.00 - 8.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Volatiles (cat# 830, lot# P360-710) (Continued)*** | | | | | | | | | | | | |
| 4500 | 2-Chloroethylvinylether | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4505 | Chloroform | µg/L | 83.9 | 84.7 | 59.3 - 110 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.0881 | 83.2 | 7.64 | AST |
| 4960 | Chloromethane | µg/L | < 1 | < 8.00 | 0.00 - 8.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4535 | 2-Chlorotoluene | µg/L | < 1 | < 3.20 | 0.00 - 3.20 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4540 | 4-Chlorotoluene | µg/L | < 1 | < 3.30 | 0.00 - 3.30 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4570 | 1,2-Dibromo-3-chloropropane (DBCP) | µg/L | 140 | 129 | 77.4 - 181 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.759 | 124 | 21.5 | AST |
| 4585 | 1,2-Dibromoethane (EDB) | µg/L | 29.3 | 29.9 | 19.4 - 40.4 | Acceptable | EPA 8260D 2018 | 2/3/2025 | -0.00947 | 29.3 | 3.15 | AST |
| 4595 | Dibromomethane | µg/L | 75.9 | 79.5 | 51.7 - 107 | Acceptable | EPA 8260D 2018 | 2/3/2025 | -0.688 | 81.6 | 8.32 | AST |
| 4610 | 1,2-Dichlorobenzene | µg/L | 46.5 | 44.3 | 31.0 - 57.6 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 1.06 | 41.2 | 4.99 | AST |
| 4615 | 1,3-Dichlorobenzene | µg/L | 110 | 107 | 74.9 - 139 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.947 | 98.8 | 11.8 | AST |
| 4620 | 1,4-Dichlorobenzene | µg/L | 74.2 | 68.6 | 48.0 - 89.2 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 1.39 | 63.3 | 7.84 | AST |
| 4625 | Dichlorodifluoromethane (Freon 12) | µg/L | < 1 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4630 | 1,1-Dichloroethane | µg/L | < 1 | < 6.40 | 0.00 - 6.40 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4635 | 1,2-Dichloroethane | µg/L | 95.6 | 87.6 | 62.2 - 113 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.813 | 88.0 | 9.36 | AST |
| 4640 | 1,1-Dichloroethylene | µg/L | < 1 | < 6.20 | 0.00 - 6.20 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4645 | cis-1,2-Dichloroethylene | µg/L | 115 | 108 | 72.6 - 144 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.490 | 109 | 13.0 | AST |
| 4700 | trans-1,2-Dichloroethylene | µg/L | 99.8 | 88.6 | 53.2 - 124 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.808 | 91.1 | 10.7 | AST |
| 4655 | 1,2-Dichloropropane | µg/L | 25.3 | 24.7 | 17.3 - 32.1 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.169 | 24.8 | 2.68 | AST |
| 4660 | 1,3-Dichloropropane | µg/L | < 1 | < 3.50 | 0.00 - 3.50 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4665 | 2,2-Dichloropropane | µg/L | < 1 | < 2.50 | 0.00 - 2.50 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Volatiles (cat# 830, lot# P360-710) (Continued)*** | | | | | | | | | | | | |
| 4670 | 1,1-Dichloropropene | µg/L | < 1 | < 3.10 | 0.00 - 3.10 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4680 | cis-1,3-Dichloropropylene | µg/L | < 1 | < 6.50 | 0.00 - 6.50 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4685 | trans-1,3-Dichloropropylene | µg/L | 84.8 | 88.0 | 57.2 - 119 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.345 | 81.0 | 10.9 | AST |
| 4765 | Ethylbenzene | µg/L | 105 | 100 | 70.0 - 130 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.833 | 93.5 | 13.8 | AST |
| 4835 | Hexachlorobutadiene | µg/L | 105 | 92.2 | 10.2 - 111 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 1.34 | 71.2 | 25.2 | AST |
| 4840 | Hexachloroethane | µg/L | | < 3.30 | 0.00 - 3.30 | Not Reported | | | | | | |
| 4860 | 2-Hexanone | µg/L | 27.7 | 32.5 | 11.2 - 51.8 | Acceptable | EPA 8260D 2018 | 2/3/2025 | -0.402 | 30.3 | 6.37 | AST |
| 4900 | Isopropylbenzene | µg/L | < 1 | < 3.20 | 0.00 - 3.20 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4910 | 4-Isopropyltoluene | µg/L | < 3.2 | < 3.20 | 0.00 - 3.20 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 4975 | Methylene chloride | µg/L | 113 | 108 | 64.8 - 151 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.373 | 108 | 12.8 | AST |
| 4995 | 4-Methyl-2-pentanone (MIBK) | µg/L | 159 | 162 | 103 - 219 | Acceptable | EPA 8260D 2018 | 2/3/2025 | -0.124 | 163 | 29.4 | AST |
| 5005 | Naphthalene | µg/L | 18.9 | 29.8 | 13.4 - 41.8 | Acceptable | EPA 8260D 2018 | 2/3/2025 | -1.75 | 26.9 | 4.55 | AST |
| 5015 | Nitrobenzene | µg/L | | < 6.20 | 0.00 - 6.20 | Not Reported | | | | | | |
| 5090 | n-Propylbenzene | µg/L | < 1 | < 3.30 | 0.00 - 3.30 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 5100 | Styrene | µg/L | 45 | 43.3 | 28.1 - 58.5 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.546 | 42.0 | 5.49 | AST |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | 112 | 99.4 | 64.6 - 134 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 1.09 | 98.3 | 12.6 | AST |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | 55.6 | 44.0 | 28.6 - 59.4 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 1.09 | 49.3 | 5.80 | AST |
| 5115 | Tetrachloroethylene | µg/L | 112 | 108 | 61.6 - 141 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.991 | 93.4 | 18.7 | AST |
| 5140 | Toluene | µg/L | 94.8 | 91.5 | 64.0 - 119 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.679 | 87.9 | 10.2 | AST |
| 5150 | 1,2,3-Trichlorobenzene | µg/L | < 2.9 | < 2.90 | 0.00 - 2.90 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |

ISO/IEC 17043:2010 ACCREDITED PROFICIENCY TESTING PROVIDER CERTIFICATE NO. 1539.01

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Volatiles (cat# 830, lot# P360-710) (Continued)*** | | | | | | | | | | | | |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 16.9 | 18.9 | 6.13 - 25.9 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.0838 | 16.7 | 2.85 | AST |
| 5160 | 1,1,1-Trichloroethane | µg/L | < 1 | < 6.00 | 0.00 - 6.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 5165 | 1,1,2-Trichloroethane | µg/L | 88.3 | 87.9 | 61.5 - 114 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.0313 | 88.0 | 9.76 | AST |
| 5170 | Trichloroethylene | µg/L | 71.2 | 74.2 | 47.2 - 96.6 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.00446 | 71.2 | 8.94 | AST |
| 5175 | Trichlorofluoromethane | µg/L | 114 | 92.7 | 37.1 - 148 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 2.19 | 85.2 | 13.1 | AST |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 52.2 | 47.1 | 20.1 - 71.9 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.894 | 45.1 | 7.97 | AST |
| 5210 | 1,2,4-Trimethylbenzene | µg/L | 34 | 33.1 | 21.5 - 44.7 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.733 | 30.2 | 5.15 | AST |
| 5215 | 1,3,5-Trimethylbenzene | µg/L | 89.2 | 82.7 | 53.8 - 112 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 1.06 | 74.4 | 14.0 | AST |
| 5225 | Vinyl acetate | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 5235 | Vinyl chloride | µg/L | < 1 | < 8.00 | 0.00 - 8.00 | Acceptable | EPA 8260D 2018 | 2/3/2025 | | | | AST |
| 5240 | m&p-Xylene | µg/L | 70.6 | 66.8 | 40.1 - 93.5 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.794 | 62.9 | 9.69 | AST |
| 5250 | o-Xylene | µg/L | 24.2 | 24.8 | 14.9 - 34.7 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.398 | 22.9 | 3.20 | AST |
| 5260 | Xylenes, total | µg/L | 94.8 | 91.6 | 55.0 - 128 | Acceptable | EPA 8260D 2018 | 2/3/2025 | 0.756 | 85.5 | 12.4 | AST |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP PCBs in Water (cat# 832S, lot# P360-734S)*** | | | | | | | | | | | | |
| 8880 | Aroclor 1016 | µg/L | < 0.5 | < 0.800 | 0.00 - 0.800 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8885 | Aroclor 1221 | µg/L | < 0.5 | < 0.800 | 0.00 - 0.800 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8890 | Aroclor 1232 | µg/L | < 0.5 | < 0.800 | 0.00 - 0.800 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8895 | Aroclor 1242 | µg/L | < 0.5 | < 0.800 | 0.00 - 0.800 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8900 | Aroclor 1248 | µg/L | 6.69 | 8.15 | 2.97 - 11.0 | Acceptable | EPA 8082A 2007 | 2/3/2025 | 0.0239 | 6.66 | 1.37 | CB1 |
| 8905 | Aroclor 1254 | µg/L | < 0.5 | < 0.800 | 0.00 - 0.800 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8910 | Aroclor 1260 | µg/L | < 0.5 | < 0.800 | 0.00 - 0.800 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| ***WP PCBs in Oil (cat# 835S, lot# P360-729S)*** | | | | | | | | | | | | |
| 8880 | Aroclor 1016 | mg/kg | < 0.86 | < 0.860 | 0.00 - 0.860 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8885 | Aroclor 1221 | mg/kg | < 1.25 | < 1.25 | 0.00 - 1.25 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8890 | Aroclor 1232 | mg/kg | < 1.25 | < 1.25 | 0.00 - 1.25 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8895 | Aroclor 1242 | mg/kg | < 0.86 | < 0.860 | 0.00 - 0.860 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8900 | Aroclor 1248 | mg/kg | < 1.25 | < 1.25 | 0.00 - 1.25 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8905 | Aroclor 1254 | mg/kg | < 0.86 | < 0.860 | 0.00 - 0.860 | Acceptable | EPA 8082A 2007 | 2/3/2025 | | | | CB1 |
| 8910 | Aroclor 1260 | mg/kg | 10.4 | 13.2 | 1.48 - 21.1 | Acceptable | EPA 8082A 2007 | 2/3/2025 | -0.455 | 11.4 | 2.10 | CB1 |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals (cat# 833, lot# P360-711)*** | | | | | | | | | | | | |
| 5500 | Acenaphthene | µg/L | 60.3 | 93.2 | 32.8 - 113 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.785 | 71.1 | 13.8 | BLB |
| 5505 | Acenaphthylene | µg/L | 32.2 | 49.7 | 17.1 - 62.1 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.810 | 38.7 | 8.04 | BLB |
| 5510 | Acetophenone | µg/L | | < 20.0 | 0.00 - 20.0 | Not Reported | | | | | | |
| 5145 | 2-Amino-1-methylbenzene (o-toluidine) | µg/L | | < 10.0 | 0.00 - 10.0 | Not Reported | | | | | | |
| 5545 | Aniline | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5555 | Anthracene | µg/L | 33.6 | 50.5 | 21.3 - 62.9 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.21 | 41.8 | 6.82 | BLB |
| 7065 | Atrazine | µg/L | | < 30.0 | 0.00 - 30.0 | Not Reported | | | | | | |
| 5562 | Azobenzene | µg/L | | < 30.0 | 0.00 - 30.0 | Not Reported | | | | | | |
| 5570 | Benzaldehyde | µg/L | | < 30.0 | 0.00 - 30.0 | Not Reported | | | | | | |
| 5595 | Benzidine | µg/L | < 125 | < 200 | 0.00 - 200 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5575 | Benzo(a)anthracene | µg/L | 24.4 | 33.3 | 15.0 - 41.9 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.748 | 27.6 | 4.26 | BLB |
| 5585 | Benzo(b)fluoranthene | µg/L | 32.9 | 44.5 | 16.9 - 57.5 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.653 | 37.1 | 6.46 | BLB |
| 5600 | Benzo(k)fluoranthene | µg/L | 29.7 | 42.9 | 9.93 - 64.6 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.12 | 37.5 | 6.99 | BLB |
| 5590 | Benzo(g,h,i)perylene | µg/L | < 5.1 | < 5.10 | 0.00 - 5.10 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5580 | Benzo(a)pyrene | µg/L | 27.5 | 39.7 | 13.5 - 51.5 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.08 | 34.0 | 6.00 | BLB |
| 5630 | Benzyl alcohol | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6703 | 1,1'-Biphenyl | µg/L | | < 30.0 | 0.00 - 30.0 | Not Reported | | | | | | |
| 5660 | 4-Bromophenyl-phenylether | µg/L | < 8.6 | < 8.60 | 0.00 - 8.60 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5670 | Butylbenzylphthalate | µg/L | < 13.4 | < 13.4 | 0.00 - 13.4 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 7180 | Caprolactam | µg/L | | < 30.0 | 0.00 - 30.0 | Not Reported | | | | | | |

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals (cat# 833, lot# P360-711) (Continued)*** | | | | | | | | | | | | |
| 5680 | Carbazole | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5745 | 4-Chloroaniline | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5760 | bis(2-Chloroethoxy)methane | µg/L | < 3.9 | < 3.90 | 0.00 - 3.90 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5765 | bis(2-Chloroethyl)ether | µg/L | < 5.9 | < 5.90 | 0.00 - 5.90 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5790 | 1-Chloronaphthalene | µg/L | | < 10.0 | 0.00 - 10.0 | Not Reported | | | | | | |
| 5795 | 2-Chloronaphthalene | µg/L | 55.8 | 97.2 | 26.9 - 116 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.794 | 68.6 | 16.1 | BLB |
| 5825 | 4-Chlorophenyl-phenylether | µg/L | 119 | 175 | 62.9 - 213 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.711 | 138 | 26.3 | BLB |
| 5855 | Chrysene | µg/L | 29.2 | 34.1 | 15.8 - 44.7 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.406 | 30.9 | 4.22 | BLB |
| 5875 | n-Decane | µg/L | | < 20.0 | 0.00 - 20.0 | Not Reported | | | | | | |
| 5895 | Dibenz(a,h)anthracene | µg/L | < 6.9 | < 6.90 | 0.00 - 6.90 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5905 | Dibenzofuran | µg/L | < 11.3 | < 11.3 | 0.00 - 11.3 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5925 | Di-n-butylphthalate | µg/L | 61.4 | 80.0 | 29.1 - 106 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.391 | 66.8 | 13.8 | BLB |
| 9363 | 2,3-Dichloroaniline | µg/L | | < 20.0 | 0.00 - 20.0 | Not Reported | | | | | | |
| 4610 | 1,2-Dichlorobenzene | µg/L | < 2 | < 2.00 | 0.00 - 2.00 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 4615 | 1,3-Dichlorobenzene | µg/L | 33.7 | 59.4 | 5.94 - 71.1 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 0.265 | 30.7 | 11.4 | BLB |
| 4620 | 1,4-Dichlorobenzene | µg/L | 38.9 | 63.4 | 6.91 - 72.2 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 0.517 | 33.1 | 11.2 | BLB |
| 5945 | 3,3'-Dichlorobenzidine | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6070 | Diethylphthalate | µg/L | 126 | 168 | 32.2 - 226 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.423 | 138 | 29.4 | BLB |
| 6135 | Dimethylphthalate | µg/L | < 11.5 | < 11.5 | 0.00 - 11.5 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6160 | 1,3-Dinitrobenzene | µg/L | | < 20.0 | 0.00 - 20.0 | Not Reported | | | | | | |

# WP-360 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals (cat# 833, lot# P360-711) (Continued)*** | | | | | | | | | | | | |
| 6185 | 2,4-Dinitrotoluene | µg/L | < 4.5 | < 4.50 | 0.00 - 4.50 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6190 | 2,6-Dinitrotoluene | µg/L | 112 | 160 | 64.9 - 192 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.694 | 129 | 24.5 | BLB |
| 6200 | Di-n-octylphthalate | µg/L | < 8.2 | < 8.20 | 0.00 - 8.20 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6220 | 1,2-Diphenylhydrazine | µg/L | | < 30.0 | 0.00 - 30.0 | Not Reported | | | | | | |
| 6065 | bis(2-Ethylhexyl)phthalate | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6265 | Fluoranthene | µg/L | 53.5 | 74.4 | 34.6 - 91.7 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.08 | 64.9 | 10.6 | BLB |
| 6270 | Fluorene | µg/L | 24.3 | 36.7 | 15.8 - 47.7 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.819 | 28.0 | 4.49 | BLB |
| 6275 | Hexachlorobenzene | µg/L | < 5 | < 8.80 | 0.00 - 8.80 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 4835 | Hexachlorobutadiene | µg/L | 63.5 | 149 | 18.4 - 174 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.399 | 76.1 | 31.6 | BLB |
| 6285 | Hexachlorocyclopentadiene | µg/L | < 5 | < 5.00 | 0.00 - 5.00 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 4840 | Hexachloroethane | µg/L | 32.8 | 63.6 | 6.36 - 70.5 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 0.0809 | 31.6 | 14.9 | BLB |
| 6315 | Indeno(1,2,3-cd)pyrene | µg/L | < 9.2 | < 9.20 | 0.00 - 9.20 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6320 | Isophorone | µg/L | 41.5 | 67.7 | 24.7 - 84.8 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.794 | 48.0 | 8.15 | BLB |
| 6385 | 2-Methylnaphthalene | µg/L | 46.1 | 68.7 | 15.6 - 84.5 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 0.0257 | 45.8 | 13.0 | BLB |
| 5005 | Naphthalene | µg/L | 39.4 | 60.4 | 14.3 - 74.3 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 0.0330 | 39.1 | 9.21 | BLB |
| 6460 | 2-Nitroaniline | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6465 | 3-Nitroaniline | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6470 | 4-Nitroaniline | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 5015 | Nitrobenzene | µg/L | 38.7 | 55.2 | 17.8 - 66.5 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.324 | 41.0 | 7.16 | BLB |
| 6525 | N-Nitrosodiethylamine | µg/L | | < 10.0 | 0.00 - 10.0 | Not Reported | | | | | | |

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Base/Neutrals (cat# 833, lot# P360-711) (Continued)*** | | | | | | | | | | | | |
| 6530 | N-Nitrosodimethylamine | µg/L | 79.5 | 128 | 12.8 - 142 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 0.588 | 66.4 | 22.3 | BLB |
| 6535 | N-Nitrosodiphenylamine | µg/L | < 5.6 | < 5.60 | 0.00 - 5.60 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6545 | N-Nitroso-di-n-propylamine | µg/L | < 9.4 | < 9.40 | 0.00 - 9.40 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6580 | n-Octadecane | µg/L | | < 20.0 | 0.00 - 20.0 | Not Reported | | | | | | |
| 4659 | 2,2'-Oxybis(1-Chloropropane) | µg/L | 111 | 157 | 46.0 - 186 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.205 | 117 | 28.2 | BLB |
| 6590 | Pentachlorobenzene | µg/L | | < 10.0 | 0.00 - 10.0 | Not Reported | | | | | | |
| 6615 | Phenanthrene | µg/L | 36.2 | 54.0 | 25.2 - 66.9 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.07 | 44.1 | 7.41 | BLB |
| 6665 | Pyrene | µg/L | 15 | 21.5 | 9.46 - 29.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.11 | 18.1 | 2.78 | BLB |
| 5095 | Pyridine | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6715 | 1,2,4,5-Tetrachlorobenzene | µg/L | | < 10.0 | 0.00 - 10.0 | Not Reported | | | | | | |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 30.2 | 51.0 | 7.36 - 63.9 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.0196 | 30.4 | 8.38 | BLB |

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Acids (cat# 834, lot# P360-712)*** | | | | | | | | | | | | |
| 5610 | Benzoic acid | µg/L | | < 6.20 | 0.00 - 6.20 | Not Reported | | | | | | |
| 5700 | 4-Chloro-3-methylphenol | µg/L | 104 | 135 | 50.9 - 166 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.0179 | 104 | 17.8 | BLB |
| 5800 | 2-Chlorophenol | µg/L | 73.4 | 131 | 37.3 - 157 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.00 | 90.8 | 17.3 | BLB |
| 6000 | 2,4-Dichlorophenol | µg/L | 58.3 | 86.6 | 29.2 - 104 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.570 | 65.0 | 11.8 | BLB |
| 6005 | 2,6-Dichlorophenol | µg/L | | 121 | 37.8 - 152 | Not Reported | | | | 94.2 | 16.4 | |
| 6130 | 2,4-Dimethylphenol | µg/L | < 11.9 | < 11.9 | 0.00 - 11.9 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6360 | 4,6-Dinitro-2-methylphenol | µg/L | 47.8 | 70.7 | 21.1 - 101 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.968 | 57.6 | 10.1 | BLB |
| 6175 | 2,4-Dinitrophenol | µg/L | 76.3 | 115 | 11.5 - 163 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.263 | 82.2 | 22.6 | BLB |
| 6400 | 2-Methylphenol | µg/L | 34.2 | 53.7 | 12.6 - 65.1 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.123 | 35.1 | 7.25 | BLB |
| 6410 | 4-Methylphenol | µg/L | 91.5 | 150 | 15.0 - 193 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.284 | 98.3 | 23.8 | BLB |
| 6490 | 2-Nitrophenol | µg/L | 40.7 | 67.1 | 19.4 - 85.3 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -1.04 | 50.3 | 9.21 | BLB |
| 6500 | 4-Nitrophenol | µg/L | < 10 | < 10.0 | 0.00 - 10.0 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6605 | Pentachlorophenol | µg/L | 77.5 | 115 | 38.3 - 155 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.503 | 87.7 | 20.2 | BLB |
| 6625 | Phenol | µg/L | 43.9 | 104 | 10.4 - 141 | Acceptable | EPA 8270E 2018 | 1/29/2025 | 1.02 | 34.7 | 9.03 | BLB |
| 6735 | 2,3,4,6-Tetrachlorophenol | µg/L | < 10.7 | < 10.7 | 0.00 - 10.7 | Acceptable | EPA 8270E 2018 | 1/29/2025 | | | | BLB |
| 6835 | 2,4,5-Trichlorophenol | µg/L | 63.8 | 97.5 | 35.7 - 121 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.967 | 78.2 | 14.9 | BLB |
| 6840 | 2,4,6-Trichlorophenol | µg/L | 33 | 44.6 | 17.1 - 54.8 | Acceptable | EPA 8270E 2018 | 1/29/2025 | -0.298 | 34.6 | 5.46 | BLB |

# WP-360 Final Evaluation Report

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Low-Level PAHs (cat# 836, lot# P360-715)*** | | | | | | | | | | | | |
| 5500 | Acenaphthene | µg/L | 10.5 | 15.8 | 5.25 - 19.1 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.682 | 12.4 | 2.72 | BLB |
| 5505 | Acenaphthylene | µg/L | 1.65 | 2.38 | 0.896 - 2.93 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.785 | 1.91 | 0.335 | BLB |
| 5555 | Anthracene | µg/L | 0.815 | 1.18 | 0.340 - 1.62 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.859 | 0.967 | 0.177 | BLB |
| 5575 | Benzo(a)anthracene | µg/L | 1.52 | 2.09 | 1.34 - 2.38 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.909 | 1.78 | 0.284 | BLB |
| 5585 | Benzo(b)fluoranthene | µg/L | 2.21 | 3.04 | 1.44 - 3.66 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.963 | 2.59 | 0.396 | BLB |
| 5600 | Benzo(k)fluoranthene | µg/L | 3.87 | 4.68 | 2.40 - 5.96 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.125 | 3.96 | 0.746 | BLB |
| 5590 | Benzo(g,h,i)perylene | µg/L | 1.7 | 2.07 | 0.619 - 2.71 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.260 | 1.78 | 0.324 | BLB |
| 5580 | Benzo(a)pyrene | µg/L | 3.35 | 4.34 | 1.85 - 5.04 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.622 | 3.77 | 0.678 | BLB |
| 5855 | Chrysene | µg/L | 3.64 | 4.55 | 2.56 - 5.55 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.507 | 4.02 | 0.744 | BLB |
| 5895 | Dibenz(a,h)anthracene | µg/L | 3.61 | 4.84 | 1.74 - 6.05 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.548 | 4.04 | 0.776 | BLB |
| 6265 | Fluoranthene | µg/L | 2.91 | 3.47 | 1.85 - 4.14 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.0974 | 2.96 | 0.507 | BLB |
| 6270 | Fluorene | µg/L | 6.44 | 9.51 | 4.05 - 11.0 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.782 | 7.66 | 1.56 | BLB |
| 6315 | Indeno(1,2,3-cd)pyrene | µg/L | 2.63 | 3.19 | 1.35 - 4.03 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.247 | 2.76 | 0.541 | BLB |
| 5005 | Naphthalene | µg/L | 3.4 | 5.51 | 1.80 - 6.42 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.725 | 4.12 | 0.988 | BLB |
| 6615 | Phenanthrene | µg/L | 0.69 | 0.937 | 0.462 - 1.15 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.881 | 0.820 | 0.148 | BLB |
| 6665 | Pyrene | µg/L | 2.72 | 3.85 | 2.09 - 4.51 | Acceptable | EPA 8270E SIM 2018 | 1/28/2025 | -0.820 | 3.17 | 0.555 | BLB |

# WP-360 Final Evaluation Report

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Organochlorine Pesticides (cat# 831, lot# P360-713)*** | | | | | | | | | | | | |
| 7025 | Aldrin | µg/L | 3.02 | 3.27 | 1.15 - 4.40 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.291 | 2.84 | 0.614 | CB1 |
| 7110 | alpha-BHC | µg/L | 9.02 | 9.27 | 4.06 - 12.6 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.716 | 8.02 | 1.39 | CB1 |
| 7115 | beta-BHC | µg/L | 18.4 | 19.7 | 9.37 - 26.0 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.173 | 17.8 | 3.47 | CB1 |
| 7105 | delta-BHC | µg/L | 15.8 | 16.8 | 7.39 - 23.2 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.524 | 14.4 | 2.60 | CB1 |
| 7120 | gamma-BHC(Lindane) | µg/L | 11.4 | 11.5 | 5.08 - 15.7 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.282 | 10.9 | 1.86 | CB1 |
| 7240 | alpha-Chlordane | µg/L | 5.11 | 5.19 | 2.32 - 6.96 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.607 | 4.49 | 1.02 | CB1 |
| 7245 | gamma-Chlordane | µg/L | 7.68 | 8.49 | 3.84 - 11.0 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.230 | 7.26 | 1.83 | CB1 |
| 7355 | 4,4'-DDD | µg/L | 8.45 | 8.03 | 4.00 - 11.0 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.452 | 7.65 | 1.76 | CB1 |
| 7360 | 4,4'-DDE | µg/L | 4.55 | 4.72 | 2.02 - 6.42 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.616 | 4.05 | 0.816 | CB1 |
| 7365 | 4,4'-DDT | µg/L | 4.48 | 4.18 | 1.66 - 6.07 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 1.09 | 3.68 | 0.737 | CB1 |
| 7470 | Dieldrin | µg/L | 7.3 | 7.50 | 3.82 - 9.93 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.521 | 6.59 | 1.36 | CB1 |
| 7540 | Endrin | µg/L | 6.51 | 6.66 | 2.92 - 9.45 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.753 | 5.75 | 1.00 | CB1 |
| 7530 | Endrin aldehyde | µg/L | 9.81 | 12.6 | 4.75 - 17.9 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | -0.481 | 10.9 | 2.29 | CB1 |
| 7535 | Endrin ketone | µg/L | 20.6 | 19.8 | 10.8 - 25.4 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.516 | 18.7 | 3.66 | CB1 |
| 7510 | Endosulfan I | µg/L | 11.3 | 12.3 | 4.76 - 16.5 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.329 | 10.5 | 2.45 | CB1 |
| 7515 | Endosulfan II | µg/L | 3.86 | 4.00 | 1.54 - 5.67 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.324 | 3.63 | 0.695 | CB1 |
| 7520 | Endosulfan sulfate | µg/L | 14 | 14.7 | 6.82 - 20.0 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.423 | 12.9 | 2.55 | CB1 |
| 7685 | Heptachlor | µg/L | 9.46 | 8.52 | 3.06 - 11.5 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.870 | 7.80 | 1.91 | CB1 |
| 7690 | Heptachlor epoxide (beta) | µg/L | 9.07 | 9.69 | 4.91 - 12.9 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.461 | 8.23 | 1.82 | CB1 |
| 7810 | Methoxychlor | µg/L | 14 | 14.7 | 6.52 - 20.8 | Acceptable | EPA 8081B Update IV 2007 | 2/12/2025 | 0.295 | 13.1 | 2.91 | CB1 |

ISO/IEC 17043:2010 ACCREDITED PROFICIENCY TESTING PROVIDER CERTIFICATE NO. 1539.01

All analytes except for 1,1-Biphenyl, 1,2-Diphenylhydrazine, 1,3-Dinitrobenzene, 2,3-Dichloroaniline, Acetophenone, Atrazine, Azobenzene, Benzaldehyde, Caprolactam, n-Decane and n-Octadecane in the Base/Neutrals, catalog # 833, are included in ERA's A2LA accreditation. Lab Code 1539.01.

# WP-360 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
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**Report Issued:** **03/11/2025**
**Study Dates:** **01/21/2025 - 03/07/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WP Chlordane (cat# 837, lot# P360-716)*** | | | | | | | | | | | | |
| 7250 | Chlordane, technical | µg/L | 16.7 | 14.8 | 6.04 - 19.9 | Acceptable | EPA 8081B Update IV 2007 | 1/30/2025 | 1.28 | 13.3 | 2.67 | CB1 |
| ***WP Toxaphene (cat# 838, lot# P360-717)*** | | | | | | | | | | | | |
| 8250 | Toxaphene | µg/L | 93.7 | 92.2 | 19.9 - 133 | Acceptable | EPA 8081B Update IV 2007 | 1/31/2025 | 0.948 | 75.2 | 19.5 | CB1 |
| ***WP 1,4-Dioxane (cat# 597, lot# P360-402)*** | | | | | | | | | | | | |
| 4735 | 1,4-Dioxane | µg/L | 22.2 | 27.4 | 15.1 - 38.9 | Acceptable | EPA 522 1 2008 | 2/13/2025 | -0.907 | 27.1 | 5.43 | TCF |

# CERTIFICATE OF EXCELLENCE

In recognition of the quality of your laboratory in proficiency testing for

## WP-360

## Pace Analytical Services LLC - Ormond Beach

is issued this certificate of achievement by ERA. This laboratory has been recognized as a Laboratory of Excellence for achieving 100% acceptable data in this study which included 776 participating laboratories. This achievement is a demonstration of the superior quality of the laboratory in evaluation of the standards listed below.

| | | | | |
|---|---|---|---|---|
| 1,4-Dioxane | Acids | Base/Neutrals | Bromide | Chlordane |
| Color | Complex Nutrients | Demand | EDB/DBCP/TCP | Enterococci |
| Hardness | Hexavalent Chromium | Low-Level PAHs | Mercury | Minerals |
| Nitrite | Organochlorine Pesticides | PCBs in Oil | PCBs in Water | pH |
| Silica | Simple Nutrients | Solids | Sulfide | Surfactants - MBAS |
| Tin & Titanium | Total Cyanide | Total Residual Chlorine | Toxaphene | Trace Metals |
| Turbidity | Uranium | Volatiles | WasteWatR™ Coliform MicrobE™ | |



Craig Huff
Senior Technical Manager

E550101

ERA
A Waters Company

**Lynn Baylor**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**USA**

# *WS-342 Final Report*

## WatR™ Supply Proficiency Testing

## WatR™ Supply Study

## Open Date: 01/13/2025

## Close Date: 02/27/2025

## Report Issued Date: 03/03/2025

ERA
A Waters Company

March 3, 2025

Lynn Baylor
Pace Analytical Services LLC - Ormond Beach
8 East Tower Circle
Ormond Beach, FL 32174

Enclosed is your final report for ERA's WS-342 WatR™Supply Proficiency Testing (PT) study. Your final report includes an evaluation of all results submitted by your laboratory to ERA.

Data Evaluation Protocols: All analytes in ERA's WS-342 WatR™Supply Proficiency Testing (PT) study have been evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) table the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the table and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT table, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268).

Corrective Action Help: As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a Supplemental (QuiK™Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting your routine data quality. Our laboratory and technical staff have many years of collective experience in performing the full range of environmental analyses. As part of our technical support, ERA offers QC samples that can be useful in helping you work through your technical issues.

Thank you for your participation in ERA's WS-342 WatR™Supply Proficiency Testing study. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,



Craig Huff
Senior Technical Manager

attachments

ERA
A Waters Company

| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| Alabama | Benny Laughlin / 334-271-7775 | All Analytes |
| Alaska | Shera Hickman / 907-375-8210 | All Analytes |
| California ELAP | Christine Sotelo / 916-341-5175 | All Analytes |
| Colorado | Thomas Lill / 303-692-3045 | All Analytes |
| Connecticut | Dawn Shaban / 860-509-7388 | All Analytes |
| Delaware | Sally Gordy / 302-741-8630 | All Analytes |
| Florida | Susanne Crowe / 904-791-1550 | All Analytes |
| Georgia | Lynne Grubb / 404-657-3189 | All Analytes |
| Guam | Rodolfo Paulino / (671) 300-4793 | All Analytes |
| Hawaii | Frank Jiao / | All Analytes |
| Indiana | Katie Eileen Sullivan / 317-921-5505 | All Analytes |
| Kansas | Paul Harrison / 785-296-6198 | All Analytes |
| Kentucky | Kevin Stewart / 502-782-7081 | All Analytes |
| Louisiana (WS) | Grant Aucoin / 225-219-5235 | All Analytes |
| Maine | Christine Blais / (207) 287-3220 | All Analytes |
| Maryland | Xue-Qing Chen / | All Analytes |
| Massachusetts | Lisa Touet / 978-682-5237 x51364 | All Analytes |
| Michigan (WS) | Greg Lundy / 517-335-9219 | All Analytes |
| Mississippi | Janet Hartin / 601-576-7582 | All Analytes |
| Missouri | Rachel Brenner / 573-526-4909 | All Analytes |
| Montana | Russell Leu / 406-444-5259 | All Analytes |
| Nebraska | Tara Wulfekoetter / 402-471-8439 | All Analytes |
| Nevada | Paige Menicucci / 775-687-9311 | All Analytes |
| New Jersey | Rachel Ellis / 609-777-1749 | All Analytes |
| New York | ELAP Office / (518) 485-5570 | All Analytes |
| North Carolina (WP) | Todd Crawford / 919-733-3908 x202 | Custom Reporting |
| North Carolina (WS) | Michele Sartin / 919-807-8844 | All Analytes |
| North Dakota | Sarah Brunner / 701-328-6119 | All Analytes |
| Oklahoma | Oklahoma LAP / (405) 702-1039 | All Analytes |
| Pennsylvania | Annmarie Beach / | All Analytes |
| Puerto Rico (Chem) | Mariely Rivera-Rosado / 787-274-7713 | All Analytes |
| South Carolina | Certification Officer / | All Analytes |
| Tennessee | Prasad Subbanna / 615-532-0181 | All Analytes |
| Utah | Cathy Mitchell / (801) 965-2588 | All Analytes |

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| | | |
|---|---|---|
| Vermont (WS) | Ali Boren / 802-338-4709 | All Analytes |
| Virgin Islands | Austin F. Callwood / 340-774-3320 | All Analytes |
| Washington | Rebecca Wood / 360-871-8811 | All Analytes |
| West Virginia (WS) | Matthew B. Keaton / 304-965-2694 | All Analytes |
| Wisconsin | Tom Trainor / (920) 412-5970 | All Analytes |
| Palm Beach County Solid Waste Authority | Kevin Johnson / | All Analytes |
| Palm Beach County Solid Waste Authority | Tom Sirna / | All Analytes |

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# WS-342 Definitions & Study Discussion

**Study Dates: 01/13/2025 - 02/27/2025** **Report Issued: 03/03/2025**

## WS Study Definitions

The Reported Value is the value that the laboratory reported to ERA.

The ERA Assigned Values are compliant with the most current TNI Fields of Proficiency Testing (FoPT) table. A parameter not added to the standard is given an Assigned Value of "< PTRL" per the guidelines contained in the 2016 TNI Standard. The assigned values are directly traceable to the commercially prepared starting materials used to manufacture the PT standards.

The Acceptance Limits are established per the criteria contained in the most current TNI FoPT table or ERA's SOP for the Generation of Performance Acceptance Limits™ as applicable.

The Performance Evaluation:

| | |
|---|---|
| Acceptable | = Reported Value falls within the Acceptance Limits. |
| Not Acceptable | = Reported Value falls outside the Acceptance Limits. |
| No Evaluation | = Reported Value cannot be evaluated. |
| Not Reported | = No Value reported. |

The Method Description is the method the laboratory reported to ERA.

## WS Study Discussion

ERA's WS-342 WatR™Supply Proficiency Testing study has been reviewed by ERA senior management and certified compliant with the requirements of the 2016 TNI Standard and the criteria contained in the most current TNI Fields of Proficiency Testing (FoPT) table.

ERA's WS-342 WatR™Supply study standards were examined for any anomalies. A full review of all homogeneity, stability and accuracy verification data was completed. All analytical verification data for all analytes in the standards met the acceptance criteria contained in the 2016 TNI Standard and the criteria contained in the most current TNI FoPT table.

All activities associated with this proficiency testing study were performed by Waters/ERA with the exception of those noted below. The following physical samples/products were manufactured for Waters/ERA by a subcontractor:

Microbiology products with the following catalog numbers:
880, 935, 079, 077, 080, 595, 595A, 576, 576A

The data submitted by participating laboratories was also examined for study anomalies. There were no anomalies observed during the statistical review of the data.

ERA's WS-342 WatR™Supply study reports shall not be reproduced except in their entirety and not without the permission of the participating laboratories. The report must not be used by the participating laboratories to claim product endorsement by any agency of the U. S. government.

The data contained herein are confidential and intended for your use only.

If you have any questions or concerns regarding your assessment in ERA's WatR™Supply Proficiency Testing program, please contact our Proficiency Testing Department at 1-800-372-0122.

# WS-342 Laboratory Exception Report

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** FL01264
**ERA Customer Number:** E550101
**Report Issued:** 03/03/2025
**Study Dates:** 01/13/2025 - 02/27/2025

## Not Acceptable Evaluations

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***WS Organic Carbon (cat# 557, lot# S342-669)*** | | | | | | | |
| 1710 | Dissolved Organic Carbon (DOC) | mg/L | 5.4 | 6.20 | 5.50 - 6.82 | Not Acceptable | SM5310B 23rd ED 2014 |
| ***WS Unregulated Volatiles (cat# 841, lot# S342-683)*** | | | | | | | |
| 4535 | 2-Chlorotoluene | µg/L | 12.6 | 16.6 | 13.3 - 19.9 | Not Acceptable | EPA 524.2 4.1 1995 |
| 4900 | Isopropylbenzene | µg/L | 7.98 | 11.3 | 9.04 - 13.6 | Not Acceptable | EPA 524.2 4.1 1995 |
| ***WS Carbamate/Carbamoxyloxime Pesticides (cat# 846, lot# S342-707)*** | | | | | | | |
| 7020 | Aldicarb sulfoxide | µg/L | 24.9 | 35.9 | 26.9 - 44.9 | Not Acceptable | EPA 531.2 1 2001 |
| 7195 | Carbaryl | µg/L | 36.4 | 49.2 | 36.9 - 61.5 | Not Acceptable | EPA 531.2 1 2001 |
| 7710 | 3-Hydroxycarbofuran | µg/L | 40.5 | 54.2 | 43.4 - 65.0 | Not Acceptable | EPA 531.2 1 2001 |
| 7805 | Methomyl | µg/L | 72.4 | 91.1 | 72.9 - 109 | Not Acceptable | EPA 531.2 1 2001 |

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# Final Report Results For Laboratory
# Pace Analytical Services LLC - Ormond Beach

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# Final Evaluation Report

Study: **WS-342**

ERA Customer Number: **E550101**

Laboratory Name: **Pace Analytical Services LLC - Ormond Beach**

## Inorganic Results

# WS-342 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Hardness (cat# 555, lot# S342-693)*** | | | | | | | | | | | | |
| 1035 | Calcium | mg/L | 62 | 59.9 | 50.9 - 68.9 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | 0.411 | 60.8 | 2.82 | AF |
| 1085 | Magnesium | mg/L | 12.7 | 12.8 | 10.9 - 14.7 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | -0.344 | 12.9 | 0.645 | AF |
| 1155 | Sodium | mg/L | 20 | 19.6 | 16.7 - 22.5 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | 0.0631 | 19.9 | 0.902 | AF |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 155 | 150 | 128 - 172 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | 0.449 | 152 | 6.08 | AF |
| 1755 | Total Hardness as CaCO3 | mg/L | 207 | 202 | 172 - 232 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | 0.293 | 205 | 7.36 | AF |
| ***WS Hardness (cat# 555, lot# S342-693)*** | | | | | | | | | | | | |
| 1035 | Calcium | mg/L | | 59.9 | 50.9 - 68.9 | Not Reported | | | | 60.8 | 2.82 | |
| 1085 | Magnesium | mg/L | | 12.8 | 10.9 - 14.7 | Not Reported | | | | 12.9 | 0.645 | |
| 1155 | Sodium | mg/L | | 19.6 | 16.7 - 22.5 | Not Reported | | | | 19.9 | 0.902 | |
| 1550 | Calcium Hardness as CaCO3 | mg/L | 155 | 150 | 128 - 172 | Acceptable | SM 2340 B-2011 2011 | 2/10/2025 | 0.449 | 152 | 6.08 | AF |
| 1755 | Total Hardness as CaCO3 | mg/L | 207 | 202 | 172 - 232 | Acceptable | SM 2340 B-2011 2011 | 2/10/2025 | 0.293 | 205 | 7.36 | AF |

# WS-342 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Inorganics (cat# 591, lot# S342-698)*** | | | | | | | | | | | | |
| 1505 | Alkalinity as CaCO3 | mg/L | 139 | 133 | 120 - 146 | Acceptable | SM 2320 B-2011 2011 | 2/1/2025 | 1.37 | 133 | 4.16 | SAH |
| 1575 | Chloride | mg/L | 29.3 | 30.8 | 26.2 - 35.4 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | -1.21 | 31.2 | 1.55 | EAD |
| 1610 | Conductivity at 25°C | µmhos/cm | 699 | 680 | 612 - 748 | Acceptable | SM 2510 B-2011 2011 | 2/5/2025 | 1.29 | 676 | 18.0 | SWB |
| 1730 | Fluoride | mg/L | 3.62 | 3.63 | 3.27 - 3.99 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | -0.425 | 3.69 | 0.165 | EAD |
| 1820 | Nitrate + Nitrite as N | mg/L | 5.1 | 5.06 | 4.30 - 5.82 | Acceptable | EPA 300.0 2.1 1993 | 2/24/2025 | 0.0773 | 5.08 | 0.250 | CMB |
| 1810 | Nitrate as N | mg/L | 5.09 | 5.06 | 4.55 - 5.57 | Acceptable | EPA 300.0 2.1 1993 | 2/24/2025 | 0.0311 | 5.08 | 0.223 | CMB |
| 1125 | Potassium | mg/L | 21.4 | 21.6 | 18.4 - 24.8 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | -0.647 | 22.1 | 1.10 | AF |
| 2000 | Sulfate | mg/L | 117 | 115 | 97.8 - 132 | Acceptable | EPA 300.0 2.1 1993 | 1/30/2025 | -0.629 | 120 | 5.13 | EAD |
| 1955 | Total Dissolved Solids at 180°C | mg/L | | 562 | 450 - 674 | Not Reported | | | | 554 | 26.3 | |
| ***WS Inorganics (cat# 591, lot# S342-698)*** | | | | | | | | | | | | |
| 1505 | Alkalinity as CaCO3 | mg/L | | 133 | 120 - 146 | Not Reported | | | | 133 | 4.16 | |
| 1575 | Chloride | mg/L | | 30.8 | 26.2 - 35.4 | Not Reported | | | | 31.2 | 1.55 | |
| 1610 | Conductivity at 25°C | µmhos/cm | | 680 | 612 - 748 | Not Reported | | | | 676 | 18.0 | |
| 1730 | Fluoride | mg/L | | 3.63 | 3.27 - 3.99 | Not Reported | | | | 3.69 | 0.165 | |
| 1820 | Nitrate + Nitrite as N | mg/L | 4.72 | 5.06 | 4.30 - 5.82 | Acceptable | EPA 353.2 2 1993 | 2/25/2025 | -1.44 | 5.08 | 0.250 | WW1 |
| 1810 | Nitrate as N | mg/L | 4.72 | 5.06 | 4.55 - 5.57 | Acceptable | EPA 353.2 2 1993 | 2/25/2025 | -1.63 | 5.08 | 0.223 | WW1 |
| 1125 | Potassium | mg/L | | 21.6 | 18.4 - 24.8 | Not Reported | | | | 22.1 | 1.10 | |
| 2000 | Sulfate | mg/L | | 115 | 97.8 - 132 | Not Reported | | | | 120 | 5.13 | |
| 1955 | Total Dissolved Solids at 180°C | mg/L | | 562 | 450 - 674 | Not Reported | | | | 554 | 26.3 | |

# WS-342 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS pH (cat# 552, lot# S342-779)*** | | | | | | | | | | | | |
| 1900 | pH | S.U. | 8.35 | 8.33 | 8.13 - 8.53 | Acceptable | SM 4500-H+ B-2011 2011 | 2/5/2025 | 0.277 | 8.33 | 0.0880 | SWB |
| ***WS Solids Concentrate (cat# 5150, lot# S342-5152)*** | | | | | | | | | | | | |
| 1960 | Non-Filterable Residue (TSS) | mg/L | | 74.8 | 59.8 - 89.8 | Not Reported | | | | 72.4 | 5.30 | |
| 1955 | Total Dissolved Solids at 180°C | mg/L | 876 | 945 | 756 - 1130 | Acceptable | SM 2540 C-2015 2015 | 1/27/2025 | -1.47 | 916 | 27.6 | WW1 |
| 1950 | Total Solids at 105°C | mg/L | | 1010 | 808 - 1210 | Not Reported | | | | 839 | 233 | |

# WS-342 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Metals (cat# 590, lot# S342-697)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | 804 | 720 | 612 - 828 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 2.02 | 724 | 39.5 | AF |
| 1005 | Antimony | µg/L | | 37.1 | 26.0 - 48.2 | Not Reported | | | | 37.1 | 2.11 | |
| 1010 | Arsenic | µg/L | | 38.1 | 26.7 - 49.5 | Not Reported | | | | 37.2 | 1.95 | |
| 1015 | Barium | µg/L | 576 | 546 | 464 - 628 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 1.43 | 542 | 23.6 | AF |
| 1020 | Beryllium | µg/L | 8.76 | 8.96 | 7.62 - 10.3 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | -0.0439 | 8.78 | 0.514 | AF |
| 1025 | Boron | µg/L | | 1250 | 1060 - 1440 | Not Reported | | | | 1250 | 59.9 | |
| 1030 | Cadmium | µg/L | 29.7 | 30.1 | 24.1 - 36.1 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 0.567 | 28.9 | 1.45 | AF |
| 1040 | Chromium | µg/L | 100 | 99.4 | 84.5 - 114 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 0.322 | 98.6 | 4.25 | AF |
| 1055 | Copper | µg/L | 1560 | 1440 | 1300 - 1580 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 1.75 | 1440 | 71.2 | AF |
| 1070 | Iron | µg/L | 1270 | 1230 | 1050 - 1410 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 0.794 | 1220 | 64.5 | AF |
| 1075 | Lead | µg/L | | 83.9 | 58.7 - 109 | Not Reported | | | | 84.1 | 4.61 | |
| 1090 | Manganese | µg/L | 769 | 743 | 632 - 854 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 0.969 | 735 | 35.0 | AF |
| 1100 | Molybdenum | µg/L | 48.5 | 50.5 | 42.9 - 58.1 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | -0.357 | 49.4 | 2.49 | AF |
| 1105 | Nickel | µg/L | 277 | 260 | 221 - 299 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 1.47 | 258 | 12.7 | AF |
| 1140 | Selenium | µg/L | | 18.4 | 14.7 - 22.1 | Not Reported | | | | 18.1 | 1.28 | |
| 1150 | Silver | µg/L | 260 | 256 | 179 - 333 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | 0.392 | 255 | 13.1 | AF |
| 1165 | Thallium | µg/L | | 3.85 | 2.70 - 5.00 | Not Reported | | | | 3.76 | 0.279 | |
| 1185 | Vanadium | µg/L | | 550 | 468 - 632 | Not Reported | | | | 549 | 25.2 | |
| 1190 | Zinc | µg/L | 685 | 674 | 573 - 775 | Acceptable | EPA 200.7 4.4 1994 | 2/8/2025 | 0.197 | 678 | 37.7 | AF |

# WS-342 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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**8 East Tower Circle**
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**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Metals (cat# 590, lot# S342-697)*** | | | | | | | | | | | | |
| 1000 | Aluminum | µg/L | 725 | 720 | 612 - 828 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | 0.0183 | 724 | 39.5 | BSL |
| 1005 | Antimony | µg/L | 35.1 | 37.1 | 26.0 - 48.2 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.952 | 37.1 | 2.11 | BSL |
| 1010 | Arsenic | µg/L | 34.7 | 38.1 | 26.7 - 49.5 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -1.28 | 37.2 | 1.95 | BSL |
| 1015 | Barium | µg/L | 529 | 546 | 464 - 628 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.560 | 542 | 23.6 | BSL |
| 1020 | Beryllium | µg/L | 8.48 | 8.96 | 7.62 - 10.3 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.589 | 8.78 | 0.514 | BSL |
| 1025 | Boron | µg/L | | 1250 | 1060 - 1440 | Not Reported | | | | 1250 | 59.9 | |
| 1030 | Cadmium | µg/L | 27.5 | 30.1 | 24.1 - 36.1 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.948 | 28.9 | 1.45 | BSL |
| 1040 | Chromium | µg/L | 95.3 | 99.4 | 84.5 - 114 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.783 | 98.6 | 4.25 | BSL |
| 1055 | Copper | µg/L | 1340 | 1440 | 1300 - 1580 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -1.34 | 1440 | 71.2 | BSL |
| 1070 | Iron | µg/L | | 1230 | 1050 - 1410 | Not Reported | | | | 1220 | 64.5 | |
| 1075 | Lead | µg/L | 76.9 | 83.9 | 58.7 - 109 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -1.56 | 84.1 | 4.61 | BSL |
| 1090 | Manganese | µg/L | 743 | 743 | 632 - 854 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | 0.225 | 735 | 35.0 | BSL |
| 1100 | Molybdenum | µg/L | 47 | 50.5 | 42.9 - 58.1 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.959 | 49.4 | 2.49 | BSL |
| 1105 | Nickel | µg/L | 259 | 260 | 221 - 299 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | 0.0509 | 258 | 12.7 | BSL |
| 1140 | Selenium | µg/L | 16.8 | 18.4 | 14.7 - 22.1 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -1.04 | 18.1 | 1.28 | BSL |
| 1150 | Silver | µg/L | 251 | 256 | 179 - 333 | Acceptable | EPA 200.8 5.4 1994 | 2/10/2025 | -0.296 | 255 | 13.1 | BSL |
| 1165 | Thallium | µg/L | 3.48 | 3.85 | 2.70 - 5.00 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -1.01 | 3.76 | 0.279 | BSL |
| 1185 | Vanadium | µg/L | | 550 | 468 - 632 | Not Reported | | | | 549 | 25.2 | |
| 1190 | Zinc | µg/L | 646 | 674 | 573 - 775 | Acceptable | EPA 200.8 5.4 1994 | 2/7/2025 | -0.838 | 678 | 37.7 | BSL |

# WS-342 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Mercury (cat# 551, lot# S342-666)*** | | | | | | | | | | | | |
| 1095 | Mercury | µg/L | 5.35 | 5.61 | 3.93 - 7.29 | Acceptable | EPA 245.1 3 1994 | 1/29/2025 | -0.00846 | 5.36 | 0.595 | JNK |
| ***WS Hexavalent Chromium (cat# 854, lot# S342-658)*** | | | | | | | | | | | | |
| 1045 | Hexavalent Chromium | µg/L | 23.8 | 24.1 | 19.3 - 28.9 | Acceptable | EPA 218.6 3.3 1994 | 1/29/2025 | -0.147 | 24.0 | 1.15 | EAD |
| ***WS Hexavalent Chromium (cat# 854, lot# S342-658)*** | | | | | | | | | | | | |
| 1045 | Hexavalent Chromium | µg/L | 23.8 | 24.1 | 19.3 - 28.9 | Acceptable | EPA 218.7 1 2011 | 1/29/2025 | -0.147 | 24.0 | 1.15 | EAD |
| ***WS Uranium (cat# 858, lot# S342-930)*** | | | | | | | | | | | | |
| 1184 | Uranium (mass) | µg/L | 47.2 | 49.9 | 40.4 - 55.3 | Acceptable | EPA 200.8 5.4 1994 | 2/10/2025 | -0.503 | 48.5 | 2.51 | BSL |
| ***WS Inorganic Disinfection #1 (cat# 5270, lot# S342-5272)*** | | | | | | | | | | | | |
| 1570 | Chlorate | µg/L | | 118 | 82.6 - 153 | Not Reported | | | | 120 | 11.8 | |
| 1595 | Chlorite | µg/L | 740 | 694 | 486 - 902 | Acceptable | EPA 300.1 1 1997 | 1/30/2025 | 0.665 | 708 | 47.4 | CMB |
| ***WS Inorganic Disinfection #1 (cat# 5270, lot# S342-5272)*** | | | | | | | | | | | | |
| 1570 | Chlorate | µg/L | 127 | 118 | 82.6 - 153 | Acceptable | EPA 300.1 1 1997 | 1/29/2025 | 0.598 | 120 | 11.8 | NMF |
| 1595 | Chlorite | µg/L | | 694 | 486 - 902 | Not Reported | | | | 708 | 47.4 | |
| ***WS Inorganic Disinfection #2 (cat# 5260, lot# S342-5262)*** | | | | | | | | | | | | |
| 1535 | Bromate | µg/L | 24.7 | 24.1 | 16.9 - 31.3 | Acceptable | EPA 300.1 1 1997 | 2/13/2025 | 0.360 | 23.9 | 2.35 | NMF |
| 1540 | Bromide | µg/L | 286 | 274 | 233 - 315 | Acceptable | EPA 300.1 1 1997 | 2/13/2025 | 0.842 | 274 | 14.7 | NMF |
| ***WS Inorganic Disinfection #2 (cat# 5260, lot# S342-5262)*** | | | | | | | | | | | | |
| 1535 | Bromate | µg/L | | 24.1 | 16.9 - 31.3 | Not Reported | | | | 23.9 | 2.35 | |
| 1540 | Bromide | µg/L | 268 | 274 | 233 - 315 | Acceptable | EPA 300.0 2.1 1993 | 2/13/2025 | -0.384 | 274 | 14.7 | CMB |

# WS-342 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Nitrite (cat# 594, lot# S342-695)*** | | | | | | | | | | | | |
| 1840 | Nitrite as N | mg/L | 1.03 | 1.12 | 0.952 - 1.29 | Acceptable | EPA 300.0 2.1 1993 | 1/29/2025 | -1.77 | 1.12 | 0.0525 | EAD |
| ***WS Nitrite (cat# 594, lot# S342-695)*** | | | | | | | | | | | | |
| 1840 | Nitrite as N | mg/L | 1.19 | 1.12 | 0.952 - 1.29 | Acceptable | EPA 353.2 2 1993 | 1/29/2025 | 1.28 | 1.12 | 0.0525 | KW1 |
| ***WS o-Phosphate Nutrients (cat# 558, lot# S342-667)*** | | | | | | | | | | | | |
| 1870 | ortho-Phosphate as P | mg/L | 1.72 | 1.63 | 1.39 - 1.87 | Acceptable | EPA 300.0 2.1 1993 | 1/31/2025 | 0.903 | 1.63 | 0.0957 | CMB |
| ***WS o-Phosphate Nutrients (cat# 558, lot# S342-667)*** | | | | | | | | | | | | |
| 1870 | ortho-Phosphate as P | mg/L | 1.6 | 1.63 | 1.39 - 1.87 | Acceptable | EPA 365.1 2 1993 | 1/31/2025 | -0.351 | 1.63 | 0.0957 | KW1 |
| ***WS Residual Chlorine (cat# 593, lot# S342-696)*** | | | | | | | | | | | | |
| 1945 | Free Residual Chlorine | mg/L | 1.59 | 1.57 | 1.28 - 1.86 | Acceptable | SM 4500-Cl D-2011 2011 | 1/24/2025 | 0.166 | 1.57 | 0.132 | JJB |
| 1940 | Total Residual Chlorine | mg/L | 1.59 | 1.68 | 1.42 - 1.93 | Acceptable | SM 4500-Cl D-2011 2011 | 1/24/2025 | -0.177 | 1.61 | 0.0938 | JJB |
| ***WS Cyanide (cat# 556, lot# S342-983)*** | | | | | | | | | | | | |
| 1635 | Cyanide | mg/L | 0.346 | 0.330 | 0.248 - 0.412 | Acceptable | EPA 335.4 1 1993 | 1/30/2025 | 0.299 | 0.331 | 0.0505 | JH2 |
| 1640 | Cyanide, Free | mg/L | | 0.330 | 0.248 - 0.412 | Not Reported | | | | 0.334 | 0.0360 | |
| 1645 | Cyanide, total | mg/L | | 0.330 | 0.248 - 0.412 | Not Reported | | | | 0.322 | 0.0384 | |
| ***WS Organic Carbon (cat# 557, lot# S342-669)*** | | | | | | | | | | | | |
| 1710 | Dissolved Organic Carbon (DOC) | mg/L | 5.4 | 6.20 | 5.50 - 6.82 | Not Acceptable | SM5310B 23rd ED 2014 | 2/3/2025 | -2.43 | 6.28 | 0.362 | JH |
| 2040 | Total Organic Carbon (TOC) | mg/L | 5.68 | 6.20 | 4.96 - 7.44 | Acceptable | SM5310B 23rd ED 2014 | 2/3/2025 | -2.33 | 6.27 | 0.253 | JH |
| ***WS Silica (cat# 902, lot# S342-785)*** | | | | | | | | | | | | |
| 1990 | Silica as SiO2 | mg/L | 43.5 | 44.7 | 38.0 - 51.4 | Acceptable | EPA 200.7 4.4 1994 | 2/10/2025 | -0.150 | 43.9 | 2.48 | AF |

# WS-342 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Surfactants - MBAS (cat# 901, lot# S342-784)*** | | | | | | | | | | | | |
| 2025 | Surfactants - MBAS | mg/L | 0.46 | 0.593 | 0.437 - 0.736 | Acceptable | SM 5540 C-2011 2011 | 1/23/2025 | -1.68 | 0.646 | 0.111 | JJB |
| ***WS Corrosivity (cat# 900, lot# S342-980)*** | | | | | | | | | | | | |
| 1620 | Corrosivity | S.I.@ 20°C | 1.48 | 1.61 | 1.21 - 2.01 | Acceptable | SM2330B 18th ED 1989 | 2/12/2025 | -0.209 | 1.52 | 0.215 | AGS |
| ***WS Turbidity (cat# 592, lot# S342-699)*** | | | | | | | | | | | | |
| 2055 | Turbidity | NTU | 3.9 | 4.34 | 3.67 - 4.92 | Acceptable | EPA 180.1 2 1993 | 1/24/2025 | -1.69 | 4.35 | 0.266 | JC |
| ***WS Color (cat# 859C, lot# S342-661C)*** | | | | | | | | | | | | |
| 1605 | Color | PC units | 60 | 65.0 | 55.0 - 75.0 | Acceptable | SM 2120 B-2011 2011 | 1/24/2025 | -0.328 | 62.4 | 7.34 | JC |

ERA
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# Final Evaluation Report

Study: **WS-342**

ERA Customer Number: **E550101**

Laboratory Name: **Pace Analytical Services LLC - Ormond Beach**

## Microbiology Results

# WS-342 Final Evaluation Report

A Waters Company

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms) (cat# 080A, lot# S342-085A)*** | | | | | | | | | | | | |
| 2500 | Total Coliforms - Sample 1 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 2 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 3 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 4 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 5 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 6 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 7 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 8 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 9 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 10 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |

**Total Coliforms Evaluation : Acceptable**
**Fecal Coliforms Evaluation : Not Reported**
**E.coli Evaluation : Acceptable**

Fecal Coliform Organism - Escherichia coli (ATCC 35421), Samples 3, 9 and 10
Total Coliform Organism - Enterobacter cloacae (ATCC 35030), Samples 1, 4 and 5
Negative (1) Coliform Organism - Pseudomonas putida (ATCC 31483), Sample 8
Negative (2) Coliform Organism - Staphylococcus capitis (ATCC 35661), Sample 7
Blank - Blank Pellet (Qualitative), Samples 2 and 6

# WS-342 Final Evaluation Report

A Waters Company

**Lynn Baylor**
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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms) (cat# 080A, lot# S342-085A) (Continued)*** | | | | | | | | | | | | |
| 2530 | Fecal Coliforms - Sample 1 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 2 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 3 | CFU/100mL | | Presence | Presence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 4 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 5 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 6 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 7 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 8 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 9 | CFU/100mL | | Presence | Presence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 10 | CFU/100mL | | Presence | Presence | Not Reported | | | | | | |

**Total Coliforms Evaluation : Acceptable**
**Fecal Coliforms Evaluation : Not Reported**
**E.coli Evaluation : Acceptable**

Fecal Coliform Organism - Escherichia coli (ATCC 35421), Samples 3, 9 and 10
Total Coliform Organism - Enterobacter cloacae (ATCC 35030), Samples 1, 4 and 5
Negative (1) Coliform Organism - Pseudomonas putida (ATCC 31483), Sample 8
Negative (2) Coliform Organism - Staphylococcus capitis (ATCC 35661), Sample 7
Blank - Blank Pellet (Qualitative), Samples 2 and 6

# WS-342 Final Evaluation Report

A Waters Company

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms) (cat# 080A, lot# S342-085A) (Continued)*** | | | | | | | | | | | | |
| 2525 | E.coli - Sample 1 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 2 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 3 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 4 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 5 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 6 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 7 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 8 | CFU/100mL | Absence | Absence | Absence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 9 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 10 | CFU/100mL | Presence | Presence | Presence | Acceptable | SM 9223 B-2016 2016 | 1/28/2025 | | | | AMD1 |

**Total Coliforms Evaluation :** **Acceptable**
**Fecal Coliforms Evaluation :** **Not Reported**
**E.coli Evaluation :** **Acceptable**

Fecal Coliform Organism - Escherichia coli (ATCC 35421), Samples 3, 9 and 10
Total Coliform Organism - Enterobacter cloacae (ATCC 35030), Samples 1, 4 and 5
Negative (1) Coliform Organism - Pseudomonas putida (ATCC 31483), Sample 8
Negative (2) Coliform Organism - Staphylococcus capitis (ATCC 35661), Sample 7
Blank - Blank Pellet (Qualitative), Samples 2 and 6

# WS-342 Final Evaluation Report

A Waters Company

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**EPA ID:** **FL01264**
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**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms) (cat# 080B, lot# S342-085B)*** | | | | | | | | | | | | |
| 2500 | Total Coliforms - Sample 1 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 2 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 3 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 4 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 5 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 6 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 7 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 8 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 9 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2500 | Total Coliforms - Sample 10 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |

**Total Coliforms Evaluation : Acceptable**
**Fecal Coliforms Evaluation : Not Reported**
**E.coli Evaluation : Acceptable**

Fecal Coliform Organism - Escherichia coli (ATCC 35421), Samples 8, 9 and 10
Total Coliform Organism - Enterobacter cloacae (ATCC 35030), Samples 2, 3 and 5
Negative (1) Coliform Organism - Pseudomonas putida (ATCC 31483), Sample 1
Negative (2) Coliform Organism - Staphylococcus capitis (ATCC 35661), Sample 7
Blank - Blank Pellet (Qualitative), Samples 4 and 6

# WS-342 Final Evaluation Report

A Waters Company

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms) (cat# 080B, lot# S342-085B) (Continued)*** | | | | | | | | | | | | |
| 2530 | Fecal Coliforms - Sample 1 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 2 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 3 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 4 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 5 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 6 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 7 | CFU/100mL | | Absence | Absence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 8 | CFU/100mL | | Presence | Presence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 9 | CFU/100mL | | Presence | Presence | Not Reported | | | | | | |
| 2530 | Fecal Coliforms - Sample 10 | CFU/100mL | | Presence | Presence | Not Reported | | | | | | |

**Total Coliforms Evaluation : Acceptable**
**Fecal Coliforms Evaluation : Not Reported**
**E.coli Evaluation : Acceptable**

Fecal Coliform Organism - Escherichia coli (ATCC 35421), Samples 8, 9 and 10
Total Coliform Organism - Enterobacter cloacae (ATCC 35030), Samples 2, 3 and 5
Negative (1) Coliform Organism - Pseudomonas putida (ATCC 31483), Sample 1
Negative (2) Coliform Organism - Staphylococcus capitis (ATCC 35661), Sample 7
Blank - Blank Pellet (Qualitative), Samples 4 and 6

# WS-342 Final Evaluation Report

A Waters Company

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**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS MicrobE™ (Coliforms) (cat# 080B, lot# S342-085B) (Continued)*** | | | | | | | | | | | | |
| 2525 | E.coli - Sample 1 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 2 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 3 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 4 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 5 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 6 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 7 | CFU/100mL | Absence | Absence | Absence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 8 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 9 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |
| 2525 | E.coli - Sample 10 | CFU/100mL | Presence | Presence | Presence | Acceptable | Colisure® | 1/28/2025 | | | | AMD1 |

**Total Coliforms Evaluation : Acceptable**
**Fecal Coliforms Evaluation : Not Reported**
**E.coli Evaluation : Acceptable**

Fecal Coliform Organism - Escherichia coli (ATCC 35421), Samples 8, 9 and 10
Total Coliform Organism - Enterobacter cloacae (ATCC 35030), Samples 2, 3 and 5
Negative (1) Coliform Organism - Pseudomonas putida (ATCC 31483), Sample 1
Negative (2) Coliform Organism - Staphylococcus capitis (ATCC 35661), Sample 7
Blank - Blank Pellet (Qualitative), Samples 4 and 6

***WS Heterotrophic Plate Count (cat# 079, lot# S342-084)***

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2555 | Heterotrophic Plate Count (MF, PP) | CFU/mL | | 197 | 161 - 241 | Not Reported | | | | 197 | 20.0 | |
| 2555 | Heterotrophic Plate Count (MPN) | MPN/mL | 183 | 201 | 121 - 335 | Acceptable | Simplate 2000 | 2/7/2025 | -0.373 | 201 | 53.4 | AMD1 |

ERA
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# Final Evaluation Report

Study: **WS-342**

ERA Customer Number: **E550101**

Laboratory Name: **Pace Analytical Services LLC - Ormond Beach**

## Organic Results

# WS-342 Final Evaluation Report

A Waters Company

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Haloacetic Acids (HAA) (cat# 852, lot# S342-684)*** | | | | | | | | | | | | |
| 9312 | Bromoacetic acid | µg/L | 29 | 34.7 | 20.8 - 48.6 | Acceptable | EPA 552.3 1 2003 | 1/29/2025 | -1.11 | 32.8 | 3.44 | SAM1 |
| 9315 | Bromochloroacetic acid | µg/L | 14.4 | 16.0 | 9.60 - 22.4 | Acceptable | EPA 552.3 1 2003 | 1/29/2025 | -1.02 | 16.2 | 1.73 | SAM1 |
| 9336 | Chloroacetic acid | µg/L | 20.1 | 23.1 | 13.9 - 32.3 | Acceptable | EPA 552.3 1 2003 | 1/29/2025 | -0.771 | 22.0 | 2.41 | SAM1 |
| 9357 | Dibromoacetic acid | µg/L | 11 | 13.7 | 8.22 - 19.2 | Acceptable | EPA 552.3 1 2003 | 1/29/2025 | -1.34 | 13.2 | 1.63 | SAM1 |
| 9360 | Dichloroacetic acid | µg/L | 7.53 | 8.96 | 5.38 - 12.5 | Acceptable | EPA 552.3 1 2003 | 1/29/2025 | -1.35 | 9.03 | 1.11 | SAM1 |
| 9642 | Trichloroacetic acid | µg/L | 24.1 | 27.6 | 16.6 - 38.6 | Acceptable | EPA 552.3 1 2003 | 1/29/2025 | -1.51 | 29.6 | 3.68 | SAM1 |
| ***WS Halomethanes (THMs) (cat# 842, lot# S342-702)*** | | | | | | | | | | | | |
| 4395 | Bromodichloromethane | µg/L | 4.74 | 5.30 | 4.24 - 6.36 | Acceptable | EPA 524.2 4.1 1995 | 1/27/2025 | -1.08 | 5.29 | 0.510 | AS4 |
| 4400 | Bromoform | µg/L | 40.6 | 39.4 | 31.5 - 47.3 | Acceptable | EPA 524.2 4.1 1995 | 1/27/2025 | 0.373 | 39.1 | 4.14 | AS4 |
| 4575 | Chlorodibromomethane | µg/L | 30.8 | 31.4 | 25.1 - 37.7 | Acceptable | EPA 524.2 4.1 1995 | 1/27/2025 | 0.0114 | 30.8 | 2.95 | AS4 |
| 4505 | Chloroform | µg/L | 19.6 | 22.2 | 17.8 - 26.6 | Acceptable | EPA 524.2 4.1 1995 | 1/27/2025 | -1.47 | 22.6 | 2.03 | AS4 |

# WS-342 Final Evaluation Report

A Waters Company

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Regulated Volatiles (cat# 840, lot# S342-703)*** | | | | | | | | | | | | |
| 4375 | Benzene | µg/L | 14.4 | 14.2 | 11.4 - 17.0 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.0581 | 14.3 | 1.33 | AS4 |
| 4455 | Carbon tetrachloride | µg/L | 6.39 | 6.13 | 3.68 - 8.58 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.394 | 6.10 | 0.740 | AS4 |
| 4475 | Chlorobenzene | µg/L | 13.4 | 13.3 | 10.6 - 16.0 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.128 | 13.3 | 1.01 | AS4 |
| 4610 | 1,2-Dichlorobenzene | µg/L | 7.56 | 7.45 | 4.47 - 10.4 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.368 | 7.33 | 0.617 | AS4 |
| 4620 | 1,4-Dichlorobenzene | µg/L | 18.9 | 18.4 | 14.7 - 22.1 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.631 | 17.7 | 1.89 | AS4 |
| 4635 | 1,2-Dichloroethane | µg/L | 16.7 | 16.0 | 12.8 - 19.2 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.246 | 16.3 | 1.46 | AS4 |
| 4640 | 1,1-Dichloroethylene | µg/L | 6.93 | 6.74 | 4.04 - 9.44 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.266 | 7.12 | 0.731 | AS4 |
| 4645 | cis-1,2-Dichloroethylene | µg/L | 14.6 | 15.2 | 12.2 - 18.2 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.374 | 15.2 | 1.53 | AS4 |
| 4700 | trans-1,2-Dichloroethylene | µg/L | 7.48 | 7.34 | 4.40 - 10.3 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.184 | 7.60 | 0.661 | AS4 |
| 4655 | 1,2-Dichloropropane | µg/L | 16.8 | 15.6 | 12.5 - 18.7 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.690 | 15.8 | 1.44 | AS4 |
| 4765 | Ethylbenzene | µg/L | 6.09 | 6.60 | 3.96 - 9.24 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.838 | 6.61 | 0.624 | AS4 |
| 4975 | Methylene chloride (Dichloromethane) | µg/L | 6.33 | 5.69 | 3.41 - 7.97 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.800 | 5.88 | 0.563 | AS4 |
| 5100 | Styrene | µg/L | 9.37 | 10.3 | 8.24 - 12.4 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.30 | 10.7 | 1.01 | AS4 |
| 5115 | Tetrachloroethylene | µg/L | 10.6 | 10.9 | 8.72 - 13.1 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.0990 | 10.7 | 1.15 | AS4 |
| 5140 | Toluene | µg/L | 9.34 | 9.34 | 5.60 - 13.1 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.255 | 9.12 | 0.880 | AS4 |
| 5155 | 1,2,4-Trichlorobenzene | µg/L | 6.8 | 7.54 | 4.52 - 10.6 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.560 | 7.24 | 0.778 | AS4 |
| 5160 | 1,1,1-Trichloroethane | µg/L | 16.7 | 16.0 | 12.8 - 19.2 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.445 | 16.0 | 1.49 | AS4 |
| 5165 | 1,1,2-Trichloroethane | µg/L | 10.8 | 10.9 | 8.72 - 13.1 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.0671 | 10.7 | 1.04 | AS4 |
| 5170 | Trichloroethylene | µg/L | 16.9 | 17.1 | 13.7 - 20.5 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.0506 | 17.0 | 1.50 | AS4 |
| 5235 | Vinyl chloride | µg/L | 19.3 | 15.6 | 9.36 - 21.8 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 1.02 | 16.2 | 3.04 | AS4 |

# WS-342 Final Evaluation Report

A Waters Company

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**Study Dates:** **01/13/2025 - 02/27/2025**

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Regulated Volatiles (cat# 840, lot# S342-703) (Continued)*** | | | | | | | | | | | | |
| 5260 | Xylenes, total | µg/L | 35.2 | 37.9 | 30.3 - 45.5 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.975 | 38.5 | 3.38 | AS4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Unregulated Volatiles (cat# 841, lot# S342-683)*** | | | | | | | | | | | | |
| 4385 | Bromobenzene | µg/L | < 1 | < 1.20 | 0.00 - 1.20 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4390 | Bromochloromethane | µg/L | 13.7 | 14.1 | 11.3 - 16.9 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.607 | 14.5 | 1.26 | AS4 |
| 4950 | Bromomethane | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 5000 | tert-Butyl methyl ether (MTBE) | µg/L | 20.7 | 21.0 | 16.8 - 25.2 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.218 | 21.2 | 2.20 | AS4 |
| 4435 | n-Butylbenzene | µg/L | < 1 | < 1.20 | 0.00 - 1.20 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4440 | sec-Butylbenzene | µg/L | 10.7 | 12.2 | 9.76 - 14.6 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.29 | 12.3 | 1.22 | AS4 |
| 4445 | tert-Butylbenzene | µg/L | 11.4 | 14.3 | 11.4 - 17.2 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.78 | 13.8 | 1.37 | AS4 |
| 4485 | Chloroethane | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4960 | Chloromethane | µg/L | < 2 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4535 | 2-Chlorotoluene | µg/L | 12.6 | 16.6 | 13.3 - 19.9 | Not Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -2.33 | 16.0 | 1.47 | AS4 |
| 4540 | 4-Chlorotoluene | µg/L | 15.4 | 17.8 | 14.2 - 21.4 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.07 | 17.4 | 1.86 | AS4 |
| 4595 | Dibromomethane | µg/L | 12.7 | 12.8 | 10.2 - 15.4 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.183 | 12.9 | 0.897 | AS4 |
| 4615 | 1,3-Dichlorobenzene | µg/L | 14.6 | 15.3 | 12.2 - 18.4 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.522 | 15.3 | 1.28 | AS4 |
| 4625 | Dichlorodifluoromethane (Freon 12) | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4630 | 1,1-Dichloroethane | µg/L | 16.7 | 16.4 | 13.1 - 19.7 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.128 | 16.5 | 1.70 | AS4 |
| 4660 | 1,3-Dichloropropane | µg/L | < 1 | < 1.20 | 0.00 - 1.20 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4665 | 2,2-Dichloropropane | µg/L | 17.6 | 15.4 | 12.3 - 18.5 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 1.02 | 15.8 | 1.81 | AS4 |
| 4670 | 1,1-Dichloropropene | µg/L | 7.67 | 9.31 | 5.59 - 13.0 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.56 | 8.97 | 0.833 | AS4 |
| 4680 | cis-1,3-Dichloropropene | µg/L | 5.97 | 7.02 | 4.21 - 9.83 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.925 | 6.58 | 0.663 | AS4 |
| 4685 | trans-1,3-Dichloropropene | µg/L | 6.69 | 9.05 | 5.43 - 12.7 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.77 | 8.10 | 0.796 | AS4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Unregulated Volatiles (cat# 841, lot# S342-683) (Continued)*** | | | | | | | | | | | | |
| 5175 | Fluorotrichloromethane | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 4835 | Hexachlorobutadiene | µg/L | 5.23 | 5.93 | 3.56 - 8.30 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.820 | 5.70 | 0.568 | AS4 |
| 4900 | Isopropylbenzene | µg/L | 7.98 | 11.3 | 9.04 - 13.6 | Not Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -2.92 | 11.0 | 1.04 | AS4 |
| 4910 | 4-Isopropyltoluene | µg/L | 7.34 | 9.67 | 5.80 - 13.5 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.94 | 9.03 | 0.874 | AS4 |
| 5005 | Naphthalene | µg/L | 36.3 | 38.6 | 27.0 - 50.2 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -0.378 | 38.0 | 4.53 | AS4 |
| 5090 | n-Propylbenzene | µg/L | 3.18 | 3.92 | 2.35 - 5.49 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -1.68 | 3.82 | 0.378 | AS4 |
| 5105 | 1,1,1,2-Tetrachloroethane | µg/L | 12.3 | 11.1 | 8.88 - 13.3 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 1.21 | 11.0 | 1.04 | AS4 |
| 5110 | 1,1,2,2-Tetrachloroethane | µg/L | 10.3 | 8.86 | 5.32 - 12.4 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.581 | 9.84 | 0.792 | AS4 |
| 5150 | 1,2,3-Trichlorobenzene | µg/L | < 1 | < 3.00 | 0.00 - 3.00 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | | | | AS4 |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | 12.2 | 12.1 | 9.68 - 14.5 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | 0.344 | 11.8 | 1.08 | AS4 |
| 5210 | 1,2,4-Trimethylbenzene | µg/L | 6.73 | 8.31 | 4.99 - 11.6 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -2.17 | 8.34 | 0.738 | AS4 |
| 5215 | 1,3,5-Trimethylbenzene | µg/L | 5.3 | 6.93 | 4.16 - 9.70 | Acceptable | EPA 524.2 4.1 1995 | 1/28/2025 | -2.84 | 6.78 | 0.522 | AS4 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Carbamate/Carbamoxyloxime Pesticides (cat# 846, lot# S342-707)*** | | | | | | | | | | | | |
| 7010 | Aldicarb | µg/L | 42.4 | 55.1 | 41.3 - 68.9 | Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -2.41 | 58.1 | 6.50 | AIO |
| 7015 | Aldicarb sulfone | µg/L | 27.1 | 33.5 | 25.1 - 41.9 | Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -3.81 | 34.9 | 2.04 | AIO |
| 7020 | Aldicarb sulfoxide | µg/L | 24.9 | 35.9 | 26.9 - 44.9 | Not Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -2.61 | 34.6 | 3.74 | AIO |
| 8080 | Baygon | µg/L | | 64.5 | 52.9 - 75.9 | Not Reported | | | | 66.7 | 2.90 | |
| 7195 | Carbaryl | µg/L | 36.4 | 49.2 | 36.9 - 61.5 | Not Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -2.34 | 48.1 | 4.99 | AIO |
| 7205 | Carbofuran | µg/L | 134 | 143 | 78.6 - 207 | Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -1.07 | 146 | 11.5 | AIO |
| 7710 | 3-Hydroxycarbofuran | µg/L | 40.5 | 54.2 | 43.4 - 65.0 | Not Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -4.41 | 56.5 | 3.63 | AIO |
| 7800 | Methiocarb | µg/L | | 58.0 | 45.0 - 68.1 | Not Reported | | | | 58.4 | 2.87 | |
| 7805 | Methomyl | µg/L | 72.4 | 91.1 | 72.9 - 109 | Not Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -1.94 | 91.1 | 9.64 | AIO |
| 7940 | Oxamyl (vydate) | µg/L | 22.9 | 28.7 | 21.5 - 35.9 | Acceptable | EPA 531.2 1 2001 | 2/4/2025 | -2.12 | 30.3 | 3.48 | AIO |
| ***WS Chlordane (cat# 845, lot# S342-705)*** | | | | | | | | | | | | |
| 7250 | Chlordane, technical | µg/L | 4.09 | 3.94 | 2.17 - 5.71 | Acceptable | EPA 505 2.1 1995 | 2/4/2025 | 0.285 | 3.86 | 0.819 | SCL |
| ***WS Toxaphene (cat# 844, lot# S342-700)*** | | | | | | | | | | | | |
| 8250 | Toxaphene | µg/L | 3.26 | 3.52 | 1.94 - 5.10 | Acceptable | EPA 505 2.1 1995 | 1/31/2025 | -0.278 | 3.49 | 0.832 | SCL |
| ***WS EDB/DBCP/TCP (cat# 847, lot# S342-706)*** | | | | | | | | | | | | |
| 4570 | Dibromochloropropane (DBCP) | µg/L | 0.376 | 0.427 | 0.256 - 0.598 | Acceptable | EPA 504.1 1.1 1995 | 1/29/2025 | -0.838 | 0.426 | 0.0600 | SCL |
| 4585 | Ethylene Dibromide (EDB) | µg/L | 1.2 | 1.60 | 0.960 - 2.24 | Acceptable | EPA 504.1 1.1 1995 | 1/29/2025 | -1.34 | 1.48 | 0.208 | SCL |
| 5180 | 1,2,3-Trichloropropane (TCP) | µg/L | | 1.50 | 0.900 - 2.10 | Not Reported | | | | 1.49 | 0.205 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PCBs as Decachlorobiphenyl (cat# 839, lot# S342-708)*** | | | | | | | | | | | | |
| 8880 | Aroclor 1016 | µg/L | < 0.1 | < 0.154 | 0.00 - 0.154 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 8885 | Aroclor 1221 | µg/L | < 0.1 | < 0.106 | 0.00 - 0.106 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 8890 | Aroclor 1232 | µg/L | < 0.1 | < 0.106 | 0.00 - 0.106 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 8895 | Aroclor 1242 | µg/L | < 0.1 | < 0.144 | 0.00 - 0.144 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 8900 | Aroclor 1248 | µg/L | < 0.1 | < 0.175 | 0.00 - 0.175 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 8905 | Aroclor 1254 | µg/L | 1.62 | 1.78 | 1.04 - 2.32 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | 0.384 | 1.51 | 0.297 | SCL |
| 8910 | Aroclor 1260 | µg/L | < 0.1 | < 0.202 | 0.00 - 0.202 | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 8872 | PCB Aroclor Identity | Identity | 1254 | 1254 | | Acceptable | EPA 505 2.1 1995 | 2/12/2025 | | | | SCL |
| 9105 | PCB as Decachlorobiphenyl | µg/L | | 2.70 | 0.270 - 5.40 | Not Reported | | | | 1.95 | 1.09 | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PFAS in Drinking Water (cat# 959, lot# S342-733)*** | | | | | | | | | | | | |
| 9490 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ng/L | 70.1 | 75.4 | 45.2 - 106 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.479 | 74.8 | 9.89 | HL |
| 6952 | 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ng/L | 61.9 | 66.6 | 40.0 - 93.2 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.791 | 67.8 | 7.40 | HL |
| 6951 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | 134 | 141 | 84.6 - 197 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.292 | 139 | 15.5 | HL |
| 4846 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | | 54.3 | 32.6 - 76.0 | Not Reported | | | | 48.6 | 4.42 | |
| 6948 | 1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS) | ng/L | 181 | 192 | 115 - 269 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.120 | 184 | 22.3 | HL |
| 6946 | 1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS) | ng/L | 27 | 28.0 | 16.8 - 39.2 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.550 | 28.8 | 3.23 | HL |
| 6947 | 1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS) | ng/L | 149 | 150 | 90.0 - 210 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.458 | 157 | 17.1 | HL |
| 9460 | Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX) | ng/L | 118 | 134 | 93.8 - 174 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.505 | 125 | 14.7 | HL |
| 4847 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | | 85.7 | 51.4 - 120 | Not Reported | | | | 82.6 | 8.86 | |
| 6956 | Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | 118 | 126 | 75.6 - 176 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.326 | 123 | 14.7 | HL |
| 6918 | Perfluorobutanesulfonic acid (PFBS) | ng/L | 163 | 170 | 119 - 221 | Acceptable | EPA 533 2019 | 2/3/2025 | 0.0447 | 162 | 19.2 | HL |
| 6915 | Perfluorobutanoic acid (PFBA) | ng/L | 149 | 157 | 94.2 - 220 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.292 | 153 | 14.4 | HL |
| 6920 | Perfluorodecane sulfonic acid (PFDS) | ng/L | | 186 | 112 - 260 | Not Reported | | | | 180 | 22.5 | |
| 6905 | Perfluorodecanoic acid (PFDA) | ng/L | 155 | 157 | 94.2 - 220 | Acceptable | EPA 533 2019 | 2/3/2025 | 0.120 | 153 | 16.1 | HL |
| 6903 | Perfluorododecanoic acid (PFDoA) | ng/L | 180 | 193 | 116 - 270 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.223 | 185 | 20.9 | HL |
| 6957 | Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | 190 | 197 | 118 - 276 | Acceptable | EPA 533 2019 | 2/3/2025 | 0.106 | 188 | 16.0 | HL |
| 9470 | Perfluoroheptane sulfonic acid (PFHpS) | ng/L | 54.5 | 54.5 | 32.7 - 76.3 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.749 | 61.3 | 9.02 | HL |
| 6908 | Perfluoroheptanoic acid (PFHpA) | ng/L | 76.7 | 80.0 | 48.0 - 112 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.305 | 78.9 | 7.31 | HL |
| 6927 | Perfluorohexanesulfonic acid (PFHxS) | ng/L | 177 | 182 | 127 - 237 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.143 | 180 | 19.4 | HL |
| 6913 | Perfluorohexanoic acid (PFHxA) | ng/L | 90.5 | 97.1 | 58.3 - 136 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.0569 | 91.0 | 9.48 | HL |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PFAS in Drinking Water (cat# 959, lot# S342-733) (Continued)*** | | | | | | | | | | | | |
| 6965 | Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | 104 | 117 | 70.2 - 164 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.254 | 107 | 11.3 | HL |
| 6966 | Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | 149 | 164 | 98.4 - 230 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.633 | 158 | 14.0 | HL |
| 6929 | Perfluorononane sulfonic acid (PFNS) | ng/L | | 123 | 73.8 - 172 | Not Reported | | | | 117 | 7.17 | |
| 6906 | Perfluorononanoic acid (PFNA) | ng/L | 172 | 179 | 125 - 233 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.267 | 177 | 18.5 | HL |
| 6917 | Perfluorooctane sulfonamide (PFOSAm) | ng/L | | 134 | 80.4 - 188 | Not Reported | | | | 140 | 12.4 | |
| 6931 | Perfluorooctanesulfonic acid (PFOS) | ng/L | 179 | 192 | 134 - 250 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.298 | 184 | 18.1 | HL |
| 6912 | Perfluorooctanoic acid (PFOA) | ng/L | 35.7 | 35.0 | 24.5 - 45.5 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.654 | 38.4 | 4.07 | HL |
| 6914 | Perfluoropentanoic acid (PFPeA) | ng/L | 76.2 | 82.9 | 49.7 - 116 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.627 | 80.5 | 6.87 | HL |
| 6934 | Perfluoropentane sulfonic acid (PFPeS) | ng/L | 173 | 175 | 105 - 245 | Acceptable | EPA 533 2019 | 2/3/2025 | -0.160 | 176 | 17.4 | HL |
| 6902 | Perfluorotetradecanoic acid (PFTA) | ng/L | | 164 | 98.4 - 230 | Not Reported | | | | 152 | 16.1 | |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | ng/L | | 117 | 70.2 - 164 | Not Reported | | | | 109 | 13.4 | |
| 6904 | Perfluoroundecanoic acid (PFUnA) | ng/L | 69.7 | 74.3 | 44.6 - 104 | Acceptable | EPA 533 2019 | 2/3/2025 | 0.148 | 68.6 | 7.41 | HL |

# WS-342 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PFAS in Drinking Water (cat# 959, lot# S342-733)*** | | | | | | | | | | | | |
| 9490 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ng/L | | 75.4 | 45.2 - 106 | Not Reported | | | | 74.8 | 9.89 | |
| 6952 | 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ng/L | | 66.6 | 40.0 - 93.2 | Not Reported | | | | 67.8 | 7.40 | |
| 6951 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | | 141 | 84.6 - 197 | Not Reported | | | | 139 | 15.5 | |
| 4846 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | | 54.3 | 32.6 - 76.0 | Not Reported | | | | 48.6 | 4.42 | |
| 6948 | 1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS) | ng/L | | 192 | 115 - 269 | Not Reported | | | | 184 | 22.3 | |
| 6946 | 1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS) | ng/L | | 28.0 | 16.8 - 39.2 | Not Reported | | | | 28.8 | 3.23 | |
| 6947 | 1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS) | ng/L | | 150 | 90.0 - 210 | Not Reported | | | | 157 | 17.1 | |
| 9460 | Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX) | ng/L | | 134 | 93.8 - 174 | Not Reported | | | | 125 | 14.7 | |
| 4847 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | | 85.7 | 51.4 - 120 | Not Reported | | | | 82.6 | 8.86 | |
| 6956 | Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | | 126 | 75.6 - 176 | Not Reported | | | | 123 | 14.7 | |
| 6918 | Perfluorobutanesulfonic acid (PFBS) | ng/L | 177 | 170 | 119 - 221 | Acceptable | EPA 537 1.1 2009 | 2/4/2025 | 0.773 | 162 | 19.2 | TMM1 |
| 6915 | Perfluorobutanoic acid (PFBA) | ng/L | | 157 | 94.2 - 220 | Not Reported | | | | 153 | 14.4 | |
| 6920 | Perfluorodecane sulfonic acid (PFDS) | ng/L | | 186 | 112 - 260 | Not Reported | | | | 180 | 22.5 | |
| 6905 | Perfluorodecanoic acid (PFDA) | ng/L | | 157 | 94.2 - 220 | Not Reported | | | | 153 | 16.1 | |
| 6903 | Perfluorododecanoic acid (PFDoA) | ng/L | | 193 | 116 - 270 | Not Reported | | | | 185 | 20.9 | |
| 6957 | Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | | 197 | 118 - 276 | Not Reported | | | | 188 | 16.0 | |
| 9470 | Perfluoroheptane sulfonic acid (PFHpS) | ng/L | | 54.5 | 32.7 - 76.3 | Not Reported | | | | 61.3 | 9.02 | |
| 6908 | Perfluoroheptanoic acid (PFHpA) | ng/L | 84.8 | 80.0 | 48.0 - 112 | Acceptable | EPA 537 1.1 2009 | 2/4/2025 | 0.803 | 78.9 | 7.31 | TMM1 |
| 6927 | Perfluorohexanesulfonic acid (PFHxS) | ng/L | 192 | 182 | 127 - 237 | Acceptable | EPA 537 1.1 2009 | 2/4/2025 | 0.632 | 180 | 19.4 | TMM1 |
| 6913 | Perfluorohexanoic acid (PFHxA) | ng/L | | 97.1 | 58.3 - 136 | Not Reported | | | | 91.0 | 9.48 | |

# WS-342 Final Evaluation Report

A Waters Company

**Lynn Baylor**
**QA Analyst III**
**Pace Analytical Services LLC - Ormond Beach**
**8 East Tower Circle**
**Ormond Beach, FL 32174**
**(386) 676-4803**

**EPA ID:** **FL01264**
**ERA Customer Number:** **E550101**
**Report Issued:** **03/03/2025**
**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PFAS in Drinking Water (cat# 959, lot# S342-733) (Continued)*** | | | | | | | | | | | | |
| 6965 | Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | | 117 | 70.2 - 164 | Not Reported | | | | 107 | 11.3 | |
| 6966 | Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | | 164 | 98.4 - 230 | Not Reported | | | | 158 | 14.0 | |
| 6929 | Perfluorononane sulfonic acid (PFNS) | ng/L | | 123 | 73.8 - 172 | Not Reported | | | | 117 | 7.17 | |
| 6906 | Perfluorononanoic acid (PFNA) | ng/L | 176 | 179 | 125 - 233 | Acceptable | EPA 537 1.1 2009 | 2/4/2025 | -0.0511 | 177 | 18.5 | TMM1 |
| 6917 | Perfluorooctane sulfonamide (PFOSAm) | ng/L | | 134 | 80.4 - 188 | Not Reported | | | | 140 | 12.4 | |
| 6931 | Perfluorooctanesulfonic acid (PFOS) | ng/L | 171 | 192 | 134 - 250 | Acceptable | EPA 537 1.1 2009 | 2/4/2025 | -0.739 | 184 | 18.1 | TMM1 |
| 6912 | Perfluorooctanoic acid (PFOA) | ng/L | 37.3 | 35.0 | 24.5 - 45.5 | Acceptable | EPA 537 1.1 2009 | 2/4/2025 | -0.261 | 38.4 | 4.07 | TMM1 |
| 6914 | Perfluoropentanoic acid (PFPeA) | ng/L | | 82.9 | 49.7 - 116 | Not Reported | | | | 80.5 | 6.87 | |
| 6934 | Perfluoropentane sulfonic acid (PFPeS) | ng/L | | 175 | 105 - 245 | Not Reported | | | | 176 | 17.4 | |
| 6902 | Perfluorotetradecanoic acid (PFTA) | ng/L | | 164 | 98.4 - 230 | Not Reported | | | | 152 | 16.1 | |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | ng/L | | 117 | 70.2 - 164 | Not Reported | | | | 109 | 13.4 | |
| 6904 | Perfluoroundecanoic acid (PFUnA) | ng/L | | 74.3 | 44.6 - 104 | Not Reported | | | | 68.6 | 7.41 | |

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PFAS in Drinking Water (cat# 959, lot# S342-733)*** | | | | | | | | | | | | |
| 9490 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ng/L | 59.6 | 75.4 | 45.2 - 106 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -1.54 | 74.8 | 9.89 | TMM1 |
| 6952 | 9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS) | ng/L | 58.5 | 66.6 | 40.0 - 93.2 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -1.25 | 67.8 | 7.40 | TMM1 |
| 6951 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | ng/L | 147 | 141 | 84.6 - 197 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 0.548 | 139 | 15.5 | TMM1 |
| 4846 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | ng/L | 47.6 | 54.3 | 32.6 - 76.0 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -0.230 | 48.6 | 4.42 | TMM1 |
| 6948 | 1H, 1H, 2H, 2H-Perfluorodecane sulfonic acid (8:2FTS) | ng/L | | 192 | 115 - 269 | Not Reported | | | | 184 | 22.3 | |
| 6946 | 1H, 1H, 2H, 2H-Perfluorohexane sulfonic acid (4:2FTS) | ng/L | | 28.0 | 16.8 - 39.2 | Not Reported | | | | 28.8 | 3.23 | |
| 6947 | 1H, 1H, 2H, 2H-Perfluorooctane sulfonic acid (6:2FTS) | ng/L | | 150 | 90.0 - 210 | Not Reported | | | | 157 | 17.1 | |
| 9460 | Hexafluoropropylene oxide dimer acid (HFPO-DA) (GenX) | ng/L | 151 | 134 | 93.8 - 174 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 1.74 | 125 | 14.7 | TMM1 |
| 4847 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | ng/L | 90.4 | 85.7 | 51.4 - 120 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 0.880 | 82.6 | 8.86 | TMM1 |
| 6956 | Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ng/L | | 126 | 75.6 - 176 | Not Reported | | | | 123 | 14.7 | |
| 6918 | Perfluorobutanesulfonic acid (PFBS) | ng/L | 177 | 170 | 119 - 221 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 0.773 | 162 | 19.2 | TMM1 |
| 6915 | Perfluorobutanoic acid (PFBA) | ng/L | | 157 | 94.2 - 220 | Not Reported | | | | 153 | 14.4 | |
| 6920 | Perfluorodecane sulfonic acid (PFDS) | ng/L | | 186 | 112 - 260 | Not Reported | | | | 180 | 22.5 | |
| 6905 | Perfluorodecanoic acid (PFDA) | ng/L | 147 | 157 | 94.2 - 220 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -0.376 | 153 | 16.1 | TMM1 |
| 6903 | Perfluorododecanoic acid (PFDoA) | ng/L | 160 | 193 | 116 - 270 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -1.18 | 185 | 20.9 | TMM1 |
| 6957 | Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA) | ng/L | | 197 | 118 - 276 | Not Reported | | | | 188 | 16.0 | |
| 9470 | Perfluoroheptane sulfonic acid (PFHpS) | ng/L | | 54.5 | 32.7 - 76.3 | Not Reported | | | | 61.3 | 9.02 | |
| 6908 | Perfluoroheptanoic acid (PFHpA) | ng/L | 84.8 | 80.0 | 48.0 - 112 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 0.803 | 78.9 | 7.31 | TMM1 |
| 6927 | Perfluorohexanesulfonic acid (PFHxS) | ng/L | 192 | 182 | 127 - 237 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 0.632 | 180 | 19.4 | TMM1 |
| 6913 | Perfluorohexanoic acid (PFHxA) | ng/L | 101 | 97.1 | 58.3 - 136 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | 1.05 | 91.0 | 9.48 | TMM1 |

# WS-342 Final Evaluation Report

A Waters Company

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS PFAS in Drinking Water (cat# 959, lot# S342-733) (Continued)*** | | | | | | | | | | | | |
| 6965 | Perfluoro-3-methoxypropanoic acid (PFMPA) | ng/L | | 117 | 70.2 - 164 | Not Reported | | | | 107 | 11.3 | |
| 6966 | Perfluoro-4-methoxybutanoic acid (PFMBA) | ng/L | | 164 | 98.4 - 230 | Not Reported | | | | 158 | 14.0 | |
| 6929 | Perfluorononane sulfonic acid (PFNS) | ng/L | | 123 | 73.8 - 172 | Not Reported | | | | 117 | 7.17 | |
| 6906 | Perfluorononanoic acid (PFNA) | ng/L | 176 | 179 | 125 - 233 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -0.0511 | 177 | 18.5 | TMM1 |
| 6917 | Perfluorooctane sulfonamide (PFOSAm) | ng/L | | 134 | 80.4 - 188 | Not Reported | | | | 140 | 12.4 | |
| 6931 | Perfluorooctanesulfonic acid (PFOS) | ng/L | 171 | 192 | 134 - 250 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -0.739 | 184 | 18.1 | TMM1 |
| 6912 | Perfluorooctanoic acid (PFOA) | ng/L | 37.3 | 35.0 | 24.5 - 45.5 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -0.261 | 38.4 | 4.07 | TMM1 |
| 6914 | Perfluoropentanoic acid (PFPeA) | ng/L | | 82.9 | 49.7 - 116 | Not Reported | | | | 80.5 | 6.87 | |
| 6934 | Perfluoropentane sulfonic acid (PFPeS) | ng/L | | 175 | 105 - 245 | Not Reported | | | | 176 | 17.4 | |
| 6902 | Perfluorotetradecanoic acid (PFTA) | ng/L | 131 | 164 | 98.4 - 230 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -1.30 | 152 | 16.1 | TMM1 |
| 9563 | Perfluorotridecanoic acid (PFTrDA) | ng/L | 95.6 | 117 | 70.2 - 164 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -1.01 | 109 | 13.4 | TMM1 |
| 6904 | Perfluoroundecanoic acid (PFUnA) | ng/L | 61.6 | 74.3 | 44.6 - 104 | Acceptable | EPA 537.1 2 2020 | 2/4/2025 | -0.945 | 68.6 | 7.41 | TMM1 |

# WS-342 Final Evaluation Report

A Waters Company

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**Study Dates:** **01/13/2025 - 02/27/2025**

| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Chlorinated Acid Herbicides (cat# 851, lot# S342-704)*** | | | | | | | | | | | | |
| 8505 | Acifluorfen | µg/L | 11.6 | 11.6 | 5.80 - 17.4 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 0.132 | 11.4 | 1.21 | LJM |
| 8530 | Bentazon | µg/L | 47.4 | 52.7 | 30.1 - 69.6 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | -0.725 | 51.6 | 5.86 | LJM |
| 8540 | Chloramben | µg/L | | 64.7 | 21.2 - 85.2 | Not Reported | | | | 62.6 | 12.2 | |
| 8545 | 2,4-D | µg/L | 80.3 | 66.0 | 33.0 - 99.0 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 1.83 | 63.7 | 9.07 | LJM |
| 8550 | Dacthal diacid (DCPA) | µg/L | | 34.8 | 18.1 - 50.7 | Not Reported | | | | 32.3 | 4.08 | |
| 8555 | Dalapon | µg/L | 61.6 | 58.5 | 29.2 - 87.8 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 0.391 | 57.5 | 10.4 | LJM |
| 8560 | 2,4-DB | µg/L | 80.1 | 83.9 | 42.0 - 126 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | -0.675 | 85.9 | 8.65 | LJM |
| 8595 | Dicamba | µg/L | 39.5 | 53.4 | 26.7 - 80.1 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | -1.49 | 49.5 | 6.68 | LJM |
| 8600 | 3,5-Dichlorobenzoic acid | µg/L | | 85.6 | 45.1 - 111 | Not Reported | | | | 81.3 | 5.32 | |
| 8605 | Dichlorprop | µg/L | 39.1 | 39.7 | 19.5 - 54.7 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 0.0423 | 38.7 | 9.04 | LJM |
| 8620 | Dinoseb | µg/L | 45.2 | 51.1 | 17.3 - 71.0 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | -0.657 | 50.9 | 8.69 | LJM |
| 6500 | 4-Nitrophenol | µg/L | | 50.9 | 6.62 - 61.6 | Not Reported | | | | 0.00 | 0.00 | |
| 6605 | Pentachlorophenol | µg/L | 15 | 15.9 | 7.95 - 23.8 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | -0.178 | 15.3 | 1.74 | LJM |
| 8645 | Picloram | µg/L | 47.1 | 39.4 | 19.7 - 59.1 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 1.63 | 37.7 | 5.78 | LJM |
| 8655 | 2,4,5-T | µg/L | 24.8 | 23.2 | 11.6 - 34.8 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 0.0726 | 24.3 | 6.66 | LJM |
| 8650 | 2,4,5-TP (Silvex) | µg/L | 67.4 | 71.2 | 35.6 - 107 | Acceptable | EPA 515.3 1 1996 | 2/5/2025 | 0.140 | 66.6 | 6.03 | LJM |

# WS-342 Final Evaluation Report

A Waters Company

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| TNI Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***WS Regulated Semivolatiles #2 Herbicides (cat# 849, lot# S342-691)*** | | | | | | | | | | | | |
| 9390 | Diquat | µg/L | 22.7 | 22.8 | 11.4 - 34.2 | Acceptable | EPA 549.2 1 1997 | 1/28/2025 | 1.83 | 18.6 | 2.24 | AIO |
| 7525 | Endothall | µg/L | 178 | 201 | 100 - 302 | Acceptable | EPA 548.1 1 1992 | 1/28/2025 | -0.957 | 208 | 31.0 | TCF |
| 9411 | Glyphosate | µg/L | 614 | 676 | 541 - 811 | Acceptable | EPA 547 1990 | 1/30/2025 | -1.03 | 689 | 72.7 | AIO |
| 9528 | Paraquat | µg/L | 12.3 | 14.4 | 6.84 - 16.1 | Acceptable | EPA 549.2 1 1997 | 1/28/2025 | -0.0178 | 12.3 | 2.38 | AIO |
| ***WS 1,4-Dioxane (cat# 272, lot# S342-689)*** | | | | | | | | | | | | |
| 4735 | 1,4-Dioxane | µg/L | 1.74 | 2.26 | 1.58 - 2.94 | Acceptable | EPA 522 1 2008 | 2/13/2025 | -0.967 | 2.07 | 0.341 | TCF |

# CERTIFICATE OF RECOGNITION

ERA congratulates

## Pace Analytical Services LLC - Ormond Beach

## WS-342

For your participation and successful evaluation, we recognize the performance of this laboratory for achieving acceptable evaluation in the following standards.

| | | | | |
|---|---|---|---|---|
| 1,4-Dioxane | Chlordane | Chlorinated Acid Herbicides | Color | Corrosivity |
| Cyanide | EDB/DBCP/TCP | Haloacetic Acids (HAA) | Halomethanes (THMs) | Hardness |
| Heterotrophic Plate Count | Hexavalent Chromium | Inorganic Disinfection #1 | Inorganic Disinfection #2 | Inorganics |
| Mercury | Metals | MicrobE™ (Coliforms) | Nitrite | o-Phosphate Nutrients |
| PCBs as Decachlorobiphenyl | PFAS in Drinking Water | pH | Regulated Semivolatiles #2 Herbicides | Regulated Volatiles |
| Residual Chlorine | Silica | Solids Concentrate | Surfactants - MBAS | Toxaphene |
| Turbidity | Uranium | | | |



Craig Huff
Senior Technical Manager

E550101

**F. Last two FDOH Laboratory Assessments and corrective actions**

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# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Pace Analytical Services, LLC – Ormond Beach, FL | E83079 | January 25-27, 2022 | Paul LeBlanc-Lead<br>Carolyn Elmore |

PARAMETERS SURVEYED: BIOLOGICAL TISSUES- Metals
DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants.
NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID / CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|
| 1. | **TNI V1M2 4.13.3.a-** The laboratory shall establish a record keeping system that allows the history of the sample and associated data to be readily understood through the documentation. This system shall produce unequivocal, accurate records that document all laboratory activities such as laboratory facilities, equipment, analytical methods, and related laboratory activities, such as sample receipt, sample preparation, or data verification, and inter-laboratory transfers of samples and/or extracts.<br><br>A. The laboratory is not recording the lot number of the disposal volumetric tubes (15 mL) used to prepare the LCS, MS/MSD and sample dilutions for EPA 353.2, EPA 351.2 TKN, EPA 350.1 NH3 and EPA 365.3 T. Phosphorus and Chlorophyll.<br>B. The pH preservation verifications for SM 5310B TOC are not recorded as performed. The laboratory is only documenting when the pH preservation is not acceptable and adjusted.<br>REPEAT DEFICIENCY from the 2/2020 on-site assessment. | See Attached |
| 2. | **TNI V1M2 5.5.8-** Whenever practicable, all equipment under the control of the laboratory and requiring calibration shall be labelled, coded or otherwise identified to indicate the date or expiration criteria when recalibration is due and the date when last calibrated.<br><br>A. The Spectrophotometer 35WTA7 used for EPA 410.4 COD and Dionex IC used for EPA 300.1, which are calibrated every 3 months, do not have a calibration label to identify the calibration status.<br>B. Thermometers T-88 and T-313 were labeled with an incorrect calibration status. The label indicated calibration verification was due 7 months from the last verification check.<br>REPEAT DEFICIENCY from the 2/2020 on-site assessment. | See Attached |
| 3. | **TNI V1M2 5.9.3.c-** The laboratory shall ensure that the essential standards outlined in Technical Modules or mandated methods or regulations (whichever are more stringent) are incorporated into their method manuals. When it is not apparent which is more stringent, the QC in the mandated method or regulations is to be followed. | See Attached |

SIGNATURE Thomas Widera 03/10/2022 Page 1 of 4 .

Responsible Official (Technical Director, QA Officer, or Manager) — DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Pace Analytical Services, LLC – Ormond Beach, FL | E83079 | January 25-27, 2022 | Paul LeBlanc-Lead<br>Carolyn Elmore |

PARAMETERS SURVEYED: BIOLOGICAL TISSUES- Metals
DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants.
NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID / CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| | A. EPA 1311 TCLP Extraction Section 8.1 requires that a minimum of one blank (using the same extraction fluid as used for the samples) must be analyzed for every 20 extractions that have been conducted in an extraction vessel. The laboratory is not monitoring the number of extractions in each ZHE and running a blank every 20 samples.<br>B. The rotation of 30 ± 2 rpm required by EPA 1311 TCLP Extractions for volatiles is not being verified when used for the ZHE Rotary leaching apparatus.<br>C. The laboratory did not perform the Monthly HPC Air Monitoring for the month of July – October 2021 as required in SM 9020B.<br>D. The laboratory did not perform the Quanti-Tray sealer performance check from February 2021 through July 2021. (Standard Methods 9020 Section 5 e)<br>REPEAT DEFICIENCY for 3C and 3D from the 2/2020 on-site assessment. | | |
| 4. | **TNI V1M2 4.3.2.2.a-** The laboratory's adopted document control procedures shall ensure that authorized editions of appropriate documents are available at all locations where operations essential to the effective functioning of the laboratory are performed.<br><br>The container for the TCLP Fluid 2 in the semi volatiles/metals extraction lab and the TCLP Fluid 1 in the volatiles extraction, both used for TCLP EPA 1311, had the fluid preparation instructions handwritten on the container. REPEAT DEFICIENCY from the 2/2020 on-site assessment. | | See Attached |
| 5. | **TNI V1M2 5.5.13.1.d**- Temperature measuring devices shall be calibrated or verified at least annually. Calibration or verification shall be performed using a recognized National Metrology Institute traceable reference, such as NIST, when available.<br><br>The ATC probe WC-146 associated with the Mantech Auto-titrator for Alkalinity has not been verified annually for temperature accuracy. | | See Attached |

SIGNATURE Thomas Widera
Responsible Official
(Technical Director, QA Officer, or Manager)

03/10/2022
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

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|---|---|---|---|
| Pace Analytical Services, LLC – Ormond Beach, FL | E83079 | January 25-27, 2022 | Paul LeBlanc-Lead<br>Carolyn Elmore |

PARAMETERS SURVEYED: BIOLOGICAL TISSUES- Metals
DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants.
NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID / CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

| | | |
|---|---|---|
| 6. | **TNI V1M2 5.6.4.2.d-** All containers of prepared standards, reference materials, and reagents shall bear a unique identifier and an expiration date.<br><br>A. The volumetric flask containing the LCS/CCV for EPA 300.0 was not labeled with an expiration date.<br>B. The container of the color reagent for EPA was not labeled with an expiration date. | See Attached |
| 7. | **V1M5 1.7.3.7.b.ii.a.3-** The laboratory shall maintain records of autoclave operations for every cycle. Records shall include date, contents, maximum temperature reached, pressure, time in sterilization mode, total run time (may be recorded as time in and time out) and analyst's initials.<br><br>The laboratory does not consistently record the temperature for every autoclave cycle. Days where the max temperature reading was not recorded include 11/1/21, 12/9/21, 1/7/22 and 1/22/22. | See Attached |
| 8. | **TNI V1M4 1.7.2.1.a-** The method blank shall be processed along with and under the same conditions as the associated samples to include all steps of the analytical procedure.<br><br>The method blanks are not processed along with and under the same conditions as the associated sample when samples are filtered for EPA 300.0 and EPA 353.2. | See Attached |
| 9. | **TNI V1M4 1.7.2.2.1-** The LCS is used to evaluate the performance of the total analytical system, including all preparation and analysis steps.<br><br>The laboratory control samples are not processed along with and under the same conditions as the associated sample when samples are filtered for EPA 300.0 and EPA 353.2. | See Attached |
| 10. | **TNI V1M2 5.4.1-** Deviation from test and calibration methods shall occur only if the deviation has been documented, technically justified, authorized, and accepted by the customer.<br><br>When performing matrix spikes and matrix spike duplicates for EPA 504.1/EPA 8011 the laboratory uses only 20 mL of sample. This deviation is not called out in the SOP and not technically justified, authorized or accepted by the customer. | See Attached |

SIGNATURE Thomas Widera
Responsible Official
(Technical Director, QA Officer, or Manager)

03/10/2022
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
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| Pace Analytical Services, LLC – Ormond Beach, FL | E83079 | January 25-27, 2022 | Paul LeBlanc-Lead<br>Carolyn Elmore |

PARAMETERS SURVEYED: BIOLOGICAL TISSUES- Metals
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NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID / CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

| | | |
|---|---|---|
| 11. | **TNI V1M2 5.5.13.1.c-** On each day the equipment is used, balances, ovens, refrigerators, freezers, incubators, and water baths shall be checked and documented. The acceptability for use or continued use shall be according to the needs of the analysis or application for which the equipment is being used.<br><br>A. Balance 35BALF was used on 12/7/21 to weigh soil samples for FL PRO. It was not checked that day for acceptability.<br>B. Balance 35BALP was used on 12/14/21 to weigh soils samples for EPA 8081B. It was not checked that day for acceptability.<br>C. The refrigerated trailer adjacent to the laboratory has a WiFi temperature monitoring device. The daily temperatures are supposed to be recorded in the Daily Temperature Verification Log. No entries have made since 11/27/21. | See Attached |
| 12. | **TNI V1M2 5.5.13.1.e.iii-** Mechanical devices shall be verified prior to first use and on a quarterly basis; mechanical devices used at more than one volume shall be verified at volumes bracketing the range of use, and at the mid-point of the volumes used by the device.<br><br>Pipettor P-124 used in the extractions area had an expired volume verification. Verification was due 1/14/22. | See Attached |
| 13. | **TNI V1M2 5.5.13.1.f -** All other support equipment shall be calibrated or verified at least annually, using a recognized National Metrology Institute, such as NIST, traceable reference when available, bracketing the range of use.<br><br>Three 1L plastic graduated cylinders were in use in the organic extractions area for measuring sample volumes. They were not uniquely identified and could not be traced to their volume verifications. REPEAT DEFICIENCY from the 2/2020 on-site assessment. | See Attached |

SIGNATURE Thomas Widera
Responsible Official
(Technical Director, QA Officer, or Manager)

03/10/2022
DATE

## Report of Findings and Plans of Correction

1. ***TNI V1M2 4.13.13.a -*** The laboratory shall establish a record keeping system that allows the history of the sample and associated data to be readily understood through the documentation. This system shall produce unequivocal, accurate records that document all laboratory activities such as laboratory facilities, equipment, analytical methods, and related laboratory activities, such as sample receipt, sample preparation, or data verification, and inter-laboratory transfers of samples and/or extracts.

    *a.* The laboratory is not recording the lot number of the disposable volumetric tubes (15 mL) used to prepare the LCS, MS/MSD and sample dilutions for EPA 353.2, EPA 351.2 TKN, EPA 350.1 NH3 and EPA 365.3.
    *b.* The pH preservation verifications for SM 5310B TOC are not recorded as performed. The laboratory is only documenting when the pH preservation is not acceptable and adjusted

    REPEAT DEFICICENCY from the 2/2020 on-site assessment.

**Root Cause:**

*a.* The laboratory felt since the tubes are being volume verified prior to use that recording the lot number of the tubes used was not necessary. The finding in the 2020 audit pertained to not volume verifying the tubes. This is not a repeat deficiency from the 2020 assessment.
*b.* The laboratory was recording when the pH was out of method requirements and felt this was adequate. This is not a repeat deficiency from the 2020 assessment.

**Corrective Action Plan:**

*a.* Relevant eLog templates have been updated to allow a field to enter the lot number of the dilution tubes. For groups that do not use the eLog, the lot number will be recorded on the Batch Checklist. Laboratory personnel have been trained on this requirement.
*b.* The eLog will be updated to include a column to record the pH of each sample. The run log will be used to document the pH until the eLog can be updated by IT.

**Completion Date:** 04/30/2022

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure the information is being recorded during internal audits.

2. ***TNI V1M2 5.5.8 -*** Whenever practicable, all equipment under the control of the laboratory and requiring calibration shall be labelled, coded, or otherwise identified to indicate the date or expiration criteria when recalibration is due and the date when last calibrated.

a. The Spectrophotometer 35WTA7 used for EPA 410.4 COD and Dionex IC used for EPA 300.1, which are calibrated every 3 months, do not have a calibration label to identify the calibration status.
b. Thermometers T-88 and T-313 were labeled with an incorrect calibration status. The label indicated calibration verification was due 7 months from the last verification check.

REPEAT DEFICIENCY from the 2/2020 on-site assessment

**Root Cause:**

a. The analyst was unaware of the requirement. The information was not relayed during training. The SOP does not include the requirement for labeling the instrument.
b. There is a spreadsheet for thermometer calibrations which contained the correct reverification date. There is currently no review process for the label documentation.

**Corrective Action Plan:**

a. Calibration status labels have been added to the instruments. Relevant SOPs will be updated to document this requirement.
b. The expiration dates were corrected during the audit. A review of the current and potentially future software packages will be conducted to determine if the expiration date can be automatically calculated for the label. Until then, a review process for the labels has been instituted. The reviewer will document the review on the label.

**Completion Date:** 04/30/2022

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits

3. ***TNI V1M2 5.9.3.c -*** The laboratory shall ensure that the essential standards outlined in Technical Modules or mandated methods or regulations (whichever are more stringent) are incorporated into their method manuals. When it is not apparent which is more stringent, the QC in the mandated method or regulations is to be followed.

a. EPA 1311 TCLP Extraction Section 8.1 requires that a minimum of one blank (using the same extraction fluid as used for the samples) must be analyzed for every 20 extractions that have been conducted in an extraction vessel. The laboratory is not monitoring the number of extractions in each ZHE and running a blank every 20 samples.

b. The rotation of 30 ± 2 rpm required by EPA 1311 TCLP Extractions for volatiles is not being verified when used for the ZHE Rotary leaching apparatus.
c. The laboratory did not perform the Monthly HPC Air Monitoring for the month of July – October 2021 as required in SM 9020B.
d. The laboratory did not perform the Quanti-Tray sealer performance check from February 2021 through July 2021. (Standard Methods 9020 Section 5 e)

REPEAT DEFICIENCY for 3C and 3D from the 2/2020 on-site assessment

**Root Cause:**

a. The laboratory is recording the vessel used in the eLog for each batch. They are rotating the MB vessel with each batch and felt this was adequate for the requirement.
b. The laboratory assumed that the RPM was verified initially and was unaware that the RPM needed to be verified each time.
c. During the referenced time period, the media needed to perform the test was on backorder and a new technician was hired.
d. The technician performing the test at this time did not follow the procedure. There is an erasable checklist in the lab for monthly requirements and it was assumed that completing this checklist was adequate.

**Corrective Action Plan:**

a. A logbook has been created to track the MB rotation in the vessels. The SOP will be revised to include this requirement.
b. A visual aid has been created and placed on the ZHE tumbler to remind the staff to count the RPM each time the tumbler is used. The SOP will be revised to include this requirement.
c. Media was received for this test in December 2021. The technician has already been retrained and has performed this test monthly since December 2021.
d. A new technician was hired in August 2021. The technician was trained on the documentation requirements and the monthly sealer check has been performed each month since.

**Completion Date:** 04/30/2022

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits.

4. ***TNI V1M2 4.3.2.2.a -*** The laboratory's adopted document control procedures shall ensure that authorized editions of appropriate documents are available at all locations where operations essential to the effective functioning of the laboratory are performed.

The container for the TCLP Fluid 2 in the semi volatiles/metals extraction lab and the TCLP Fluid 1 in the volatiles extraction, both used for TCLP EPA 1311, had the fluid preparation instructions handwritten on the container.

REPEAT DEFICIENCY from the 2/2020 on-site assessment.

**Root Cause:**

The analyst thought that including the amount of each reagent used to prepare the solution would be a more accurate way of labelling its contents. The amounts are accurate per the SOP.

**Corrective Action Plan:**

The two containers in question have had the instructions removed. The Standard and Reagent Preparation SOP will be updated to document this requirement. Staff will be trained regarding this requirement.

**Completion Date:** 5/30/2022

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits

5. ***TNI V1M2 5.5.13.1.d -*** Temperature measuring devices shall be calibrated or verified at least annually. Calibration or verification shall be performed using a recognized National Metrology Institute traceable reference, such as NIST, when available.

The ATC probe WC-146 associated with the Mantech Auto-titrator for Alkalinity has not been verified annually for temperature accuracy.

**Root Cause:**

The thermometer for this instrument had not been calibrated. This was an oversight and miscommunication between the lab and QA.

**Corrective Action Plan:**

The thermometer has already been calibrated and has been added to the thermometer calibration spreadsheet.

**Completion Date:** 01/27/22

**Monitoring and Follow-up:**

The Quality Department will follow up in 60-90 days to confirm the thermometer is being calibrated quarterly.

6. ***TNI V1M2 5.6.4.2.d -*** All containers of prepared standards, reference materials, and reagents shall bear a unique identifier and an expiration date.

    a. The volumetric flask containing the LCS/CCV for EPA 300.0 was not labeled with an expiration date.
    b. The container of the color reagent for EPA was not labeled with an expiration date.

**Root Cause:**

a. The analyst was printing the labels out and placing them on the side. The analyst felt that this was sufficient
b. The analyst had inadvertently forgotten to place the label on the container.

**Corrective Action Plan:**

a. Staff training will be conducted to indicate the requirement of placing the labels on all containers. The Reagent and Standards Preparation SOP will be revised to include this requirement.
b. Staff training will be conducted to indicate the requirement of placing the labels on all containers. The Reagent and Standards Preparation SOP will be revised to include this requirement.

**Completion Date:** 04/30/2022

**Monitoring and Follow-up:**

The Quality Department will follow-up in 60-90 days to verify completion of the training assignment and continue to monitor the lab for labeling containers during internal audits.

7. ***TNI V1M5 1.7.3.7.b.ii.a.3 -*** The laboratory shall maintain records of autoclave operations for every cycle. Records shall include date, contents, maximum temperature reached, pressure, time in sterilization mode, total run time (may be recorded as time in and time out) and analyst's initials.

The laboratory does not consistently record the temperature for every autoclave cycle. Days where the max temperature reading was not recorded include 11/1/21, 12/9/21, 1/7/22 and 1/22/22.

**Root Cause:**

The team misinterpreted the requirement in the SOP. They felt it was only necessary to record the temperature when the thermometer changed positions (front, middle, back).

**Corrective Action Plan:**

Training has occurred to ensure that the autoclave temperature is completed each time it is used.

**Completion Date:** 03/31/2022

**Monitoring and Follow-up:**

The Quality Department will follow-up in 60-90 days to verify completion of the training assignment and continue to monitor the lab to ensure the temperature is recorded in the autoclave log during internal audits.

8. ***TNI V1M4 1.7.2.1.a -*** The method blank shall be processed along with and under the same conditions as the associated samples to include all steps of the analytical procedure.

The method blanks are not processed along with and under the same conditions as the associated sample when samples are filtered for EPA 300.0 and EPA 353. 2.

**Root Cause:**

The group was unaware of the requirement to filter the method blanks. There was no documentation in the SOP.

**Corrective Action Plan:**

The relevant SOPs are being updated to add this requirement and the team will be trained for this requirement.

**Completion Date:** **5**/30/2022

**Monitoring and Follow-up:**

The Quality Department will follow-up in 60-90 days to verify completion of the training assignment and the updating of the SOPs and continue to monitor the lab to ensure the method blanks are being filtered during internal audits.
.

9. ***TNI V1M4 1.7.2.2.1 -*** The LCS is used to evaluate the performance of the total analytical system, including all preparation and analysis steps.

The laboratory control samples are not processed along with and under the same conditions as the associated sample when samples are filtered for EPA 300.0 and EPA 353.2

**Root Cause:**

The group was unaware of the requirement to filter the laboratory control samples. There was no documentation in the SOP.

**Corrective Action Plan:**

The relevant SOPs are being updated to add this requirement and the team will be trained for this requirement.

**Completion Date:** 5/30/2022

**Monitoring and Follow-up:**

The Quality Department will follow-up in 60-90 days to verify completion of the training assignment and the updating of the SOPs and continue to monitor the lab to ensure the method blanks are being filtered during internal audits.

10. ***TNI V1M2 5.4.1*** Deviation from test and calibration methods shall occur only if the deviation has been documented, technically justified, authorized, and accepted by the customer.

When performing matrix spikes and matrix spike duplicates for EPA 504.1/EPA 8011 the laboratory uses only 20 mL of sample. This deviation is not called out in the SOP and not technically justified, authorized, or accepted by the customer.

**Root Cause:**

Insufficient volume is collected to perform the MS/MSD with the full volume of sample, so the sample was split for the QC.

**Corrective Action Plan:**

Pace SOP ENV-SOP-ORB1-0161 allows for the preparation of an MSD or Field Duplicate. Due to the lack of sample volume the process will change from MS/MSD to MS and Dup.

**Completion Date:** 03/31/2022

**Monitoring and Follow-up:**

The Quality Department will follow-up in 60-90 days to verify the prep process is including a Duplicate and MS.

11. ***TNI V1M2 5.5.13.1.c -*** On each day the equipment is used, balances, ovens, refrigerators, freezers, incubators, and water baths shall be checked and documented. The acceptability for use or continued use shall be according to the needs of the analysis or application for which the equipment is being used.

    a. Balance 35BALF was used on 12/7/21 to weigh soil samples for FL PRO. It was not checked that day for acceptability.
    b. Balance 35BALP was used on 12/14/21 to weigh soils samples for EPA 8081B. It was not checked that day for acceptability.
    c. The refrigerated trailer adjacent to the laboratory has a WiFi temperature monitoring device. The daily temperatures are supposed to be recorded in the Daily Temperature Verification Log. No entries have made since 11/27/21.

**Root Cause:**

a. Technicians were not following procedure.
b. Technicians were not following procedure.
c. The sample receiving team has many new staff members. The refrigerated trailer was used mainly for storing soil samples that have been run. The new staff incorrectly assumed it did have to have the temperature recorded. The trailer is on the continuous monitoring system.

**Corrective Action Plan:**

a. Technicians will be retrained, primary and backup technicians will be assigned for daily calibration checks, and visual signs will be placed by the balances to remind technicians each time they use the balance.
b. Technicians will be retrained, primary and backup technicians will be assigned for daily calibration checks, and visual signs will be placed by the balances to remind technicians each time they use the balance.
c. The sample receiving team will be trained regarding completing the logbook for the trailer, including accessing the continuous monitor log, if necessary.

**Completion Date: 04/30/2022**

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented.

12. ***V1M2 5.5.13.1.e.iii -*** Mechanical devices shall be verified prior to first use and on a quarterly basis; mechanical devices used at more than one volume shall be verified at volumes bracketing the range of use, and at the mid-point of the volumes used by the device.

Pipettor P-124 used in the extractions area had an expired volume verification. Verification was due 1/14/22.

**Root Cause:**

The technician attempted to calibrate the pipettor. The calibration failed the criteria. The technician did not follow the proper protocol for tagging the pipettor and notifying QA.

**Corrective Action Plan:**

A new pipettor will be ordered. The laboratory will be re-trained on the proper protocol.

**Completion Date:** 04/30/2022

**Monitoring and Follow-up:**

The Quality Department will follow up in 60-90 days to ensure this corrective action was completed. The calibrating of support equipment will be monitored by QA during routine internal audits.

13. ***TNI V1M2 5.5.13.1.f -*** All other support equipment shall be calibrated or verified at least annually, using a recognized National Metrology Institute, such as NIST, traceable reference when available, bracketing the range of use.

Three 1L plastic graduated cylinders were in use in the organic extractions area for measuring sample volumes. They were not uniquely identified and could not be traced to their volume verifications.

REPEAT DEFICIENCY from the 2/2020 on-site assessment.

**Root Cause:**

The laboratory did not follow the procedure stated in ENV-SOP-ORB1-0105 and as such were unaware of the requirements for identifying and calibrating the graduated cylinders.

**Corrective Action Plan:**

The graduated cylinders, P-169, P-170. And P-171, have been identified and volume calibrated.

**Completion Date:** 03/30/2022

**Monitoring and Follow-up:**

The Quality Department will follow up in 60-90 days to verify the corrective action was completed and monitor the identifying and calibrating of any new pieces of support equipment during routine internal audits.

March 18 2022

Vanessa Soto Contreras, Administrator
Florida DOH Environmental Laboratory Certification Program
Bureau of Public Health Laboratories
Division of Disease Control and Health Protection
P.O. Box 210, Jacksonville, FL 32231
Transmitted via email: Vanessa.SotoContreras@flhealth.gov

Re: Review of Corrective Action Plan. Recommended for Approval. Pace Analytical Services, LLC – Ormond Beach, FL CAP#1 review:

The laboratory submitted the corrective action plan (CAP1) via email on 3/11/22. The laboratory audit report was sent 2/14/22.

The CAP review included the following:

- Review of root cause (Basic root cause provided)
- Completion dates (Dates within 6 months of assessment provided)
- Follow-up to assure actions remain effective (Follow-up activities mentioned)
- Training when applicable (Included in response when applicable).

Actions for the following findings related to the report issued on 2/14/22 were reviewed:

| Finding # | Status |
|---|---|
| 1A | **Approved** |
| 1B | **Approved** |
| 2A | **Approved** |
| 2B | **Approved** |
| 3A | **Approved** |
| 3B | **Approved** |

| Finding # | Status |
|---|---|
| 3C | **Approved** |
| 3D | **Approved** |
| 4 | **Approved** |
| 5 | **Approved** |
| 6A | **Approved** |
| 6B | **Approved** |
| 7 | **Approved** |
| 8 | **Approved** |
| 9 | **Approved** |
| 10 | **Approved** |
| 11A | **Approved** |
| 11B | **Approved** |
| 11C | **Approved** |
| 12 | **Approved** |
| 13 | **Approved** |

The laboratory is recommended for approval by Paul LeBlanc.

Sincerely,



Lead Assessor

Environmental Programs, Lead Assessor

**Labtopia**

NATIONAL ENVIRONMENTAL LABORATORY
ACCREDITATION PROGRAM
ON-SITE LABORATORY ASSESSMENT REPORT
Bureau of Public Health Laboratories
Florida Department of Health
Revision 3

| | |
|---|---|
| Laboratory: | Pace Analytical Services, LLC – Ormond Beach, FL |
| Address: | 8 East Tower Circle<br>Ormond Beach, FL 32174 |
| Mailing Address<br>(if different from physical address) | same as above |
| I. D. Number: | E83079 |
| Dates of Assessment: | January 8-12, 2024 |
| Categories Assessed: | BIOLOGICAL TISSUES- Metals<br>DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Radiochemistry.<br>NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.<br>SOLID / CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics. |
| Assessors: | Carolyn Elmore, Labtopia Inc., celmore@labtopiainc.com |

I. INTRODUCTION:

This laboratory was inspected on-site to verify compliance with Florida Administrative Code (FAC) Rule 64E-1, Certification of Environmental Testing Laboratories, which incorporates by reference the 2016 Environmental Laboratory standards adopted at The NELAC Institute (National Environmental Laboratory Accreditation Conference).

II. DEFICIENCIES:

See the accompanying DH Form 1137. Proposed corrective action plans, estimated completion dates, and original signatures and dates from responsible laboratory officials must be returned on this form to this office within 30 days of receipt of this report.

III. LABORATORY TECHNICAL DIRECTORS (Name & Title):

| | |
|---|---|
| Jeff Baylor | Project Manager 2/Technical Director |
| Mark Rustler | Technical Specialist/Technical Director |

IV. COMMENTS:

1. This on-site assessment was conducted to fulfill biennial requirements for accreditation. The laboratory's next regular on-site assessment will be due on or before January 8, 2026.

2. In addition to the Technical Directors listed above, the following staff also participated in this on-site assessment.

| | |
|---|---|
| Thomas Widera | Manager - Quality |
| Tina Buttermore | Quality Corporate |
| Megan Stacy | Client Services Manager |
| Lorraine Noronha | Client Service Manager |
| Kim Hazelwood | Supervisor- Organic Extractions |
| Rebecca Summerlot | Supervisor – DW Organic Prep |
| Jeff Dunster | SVOA DW |
| Lynn Baylor | QA Analyst |
| Trisha Kelly | General Manager |
| Jennifer Reed | VOA Supervisor |
| Mike Vader | Sales |
| Ryan Brown | QA Analyst |
| Abigail Szczepanek | VOA Analyst |
| Kaitlynn Pike | SVOA LC Analyst |
| Dondi Tabora | Organic Extractions |
| Kieran Willams | Organic Extractions |
| Derek Campbell | Organic Extractions |
| Thomas Lindsey | Organic Extractions |
| Henry Agudelo | Organic Extractions |
| Ed Osgood | SVOA Dept Manager |
| Patricia Cooper | SVOA Analyst |
| Connie Ketzeback | SVOA Analyst |
| Sean Lyons | SVOA Analyst |
| Steven Mosher | SVOA Analyst |
| Tristan Robb | Organic Extractions |
| Wriley White | SVOA Analyst |
| Brittany Holland | SVOA Analyst |
| Thomas Cevallos | SVOA Analyst |
| Scott Rampenthal | SVOC PFAS Analyst |
| Anna Duhaime | VOA Analyst |
| Mercedes Berekvist | Operations Manager |
| Stearly Bethune | Wet Chem Analyst |
| Adam Smith | Wet Chem Analyst |
| Melisa Dickson | Wet Chem Analyst |
| Jill Knazur | Wet Chem Analyst |
| Lela Crandell | Metals |
| Kevin Chen | Metals |
| Nick Connors | Metals Digestions |
| Jackie Kamenszky | Metals |
| Hazel Aranda | Metals Supervisor |
| Cherise Bideau-Lead | Wet Chem Analyst |
| Amber Fluri | TCLP Extractions |
| Jennifer Romero | TCLP Extractions |

| | |
|---|---|
| Lindsey Levesque | Wet Chem Analyst |
| Jordan Holmes | Wet Chem Analyst |
| Adam Smith | Wet Chem Analyst |
| Heath Vincent | Wet Chem Analyst |
| Jesse Bateman | Wet Chem Analyst |
| Nicole Torres | Wet Chem Supervisor |

3. The Quality Manual reviewed at the laboratory during this assessment was revision 5, with an effective date of January 31, 2023.

4. The qualifications and documentation including transcripts, curriculum vitae and work history were reviewed at the laboratory for Jeff Baylor and Mark Rustler. They were determined to meet the NELAC requirements to be the Technical Directors for this laboratory facility.

5. At the laboratory's request, certification has been relinquished voluntarily for the following analytes and test methods that are no longer in routine use, effective on January 12, 2024:

| ANAYTES | TEST METHODS | MATRIX |
|---|---|---|
| n-Hexane | PACE SOP S-FL-O-037/GC-MS | Non-Potable Water |
| n-Hexane | PACE SOP S-FL-O-037/GC-MS | Solid and Chemical Materials |
| Tetrahydrofuran (THF) | EPA 8260D | Solid and Chemical Materials |
| Methoxychlor | SM 6630 C | Non-Potable Water |

6. Based on application to the Florida Department of Health dated November 28, 2023, acceptable proficiency testing, and this on-site assessment, certification can be recommended for the following analytes and test methods. Effective date of their certification will be no earlier than when acceptable Plans of Correction to deficiencies cited in this report and payments of on-site assessment expense fees are received:

| ANAYTES | TEST METHODS | MATRIX |
|---|---|---|
| Phosphorus, total | EPA 6010D | Solid and Chemical Materials |

7. The laboratory is accredited for Drinking Water Total coliforms and E. coli, however, they are not sure the program/rule they are reporting the results. The laboratory should be familiar with the reporting requirements of all clients receiving its' results/reports.

8. The deficiencies that were identified during the previous on-site assessment were found to be corrected during this on-site assessment except for findings #1 and # 2 listed in the attached FL DH Form 1137.

   Deficiencies #1 and # 2 constitute repeat occurrences of deficiencies that were cited during the previous on-site assessment(s) that was conducted on January 25 - 27, 2022. Failure to correct deficiencies with corrective action plans and to maintain correction of such deficiencies constitutes violations of Sections 403.0625(4) and 403.863(4) of the Florida Statutes, from which fines and administrative penalties may be imposed.

Along with the proposed Plans of Correction to Deficiencies #1 and # 2 to be submitted on FL DH Form 1137 (included with this report), the laboratory must submit supporting documentation to this office within 30 days to demonstrate that each of these repeat deficiencies is now corrected. Failure to submit this documentation within the indicated deadline jeopardizes the laboratory's certification for all the Fields of Accreditation that are affected. At a minimum this supporting documentation must include the following:

#1-Please submit evidence of completed corrective action and training.

#2-Please submit evidence of temperature verification for the SV-6 ATC probe.

V. CONCLUSIONS:

With the exception of repeat deficiencies documented in Comment 8 of this report, the laboratory's personnel, procedures, equipment, facilities, and quality system are currently in compliance with the requirements of FAC Rule 64E-1 and the 2016 NELAC Standards. If the deficiencies listed in Section II are corrected and the supporting documentation required in Comment 7 are submitted within 30 days of this report and are determined acceptable, certification and data acceptance are recommended for Fields of Accreditation in the following categories:

BIOLOGICAL TISSUES- Metals
DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Radiochemistry.
NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID AND CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

The above categories are referenced in 64E-1.007, Florida Administrative Code.

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Pace Analytical Services, LLC – Ormond Beach, FL | E83079 | January 8-12, 2024 | Carolyn Elmore |

PARAMETERS SURVEYED: BIOLOGICAL TISSUES- Metals
DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Radiochemistry.
NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID AND CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 1. | **TNI V1M2 5.6.4.2.d** All containers of prepared standards, reference materials, and reagents shall bear a unique identifier and an expiration date. **REPEAT**<br><br>The volatiles GCMS 35MSVG autosampler Internal and Surrogate Standard reservoirs are not labeled with the identification and expiration date of the contents. | | See Attached |
| 2. | **TNI V1M2 5.5.13.1.d** Temperature measuring devices shall be calibrated or verified at least annually. Calibration or verification shall be performed using a recognized National Metrology Institute traceable reference, such as NIST, when available. **REPEAT**<br><br>The ATC probe associated with pH meter SV-6 has not been verified annually for temperature accuracy. | | See Attached |
| 3. | **V1M2 4.14.5.c** The Internal audit schedule shall be completed annually.<br><br>The technical observation portion of the EPA 533 internal audit scheduled for September 2023 was not performed or rescheduled. | | See Attached |
| 4. | **TNI V1M2 4.13.3.a** The laboratory shall establish a record keeping system that allows the history of the sample and associated data to be readily understood through the documentation. This system shall produce unequivocal, accurate records that document all laboratory activities such as laboratory facilities, equipment, analytical methods, and related laboratory activities, such as sample receipt, sample preparation, or data verification, and inter-laboratory transfers of samples and/or extracts.<br><br>A. The bench sheet for 524.2 batch preparation does not include the record of the residual chlorine test result, only the lot number of the chlorine strips is recorded. It does not indicate whether residual chlorine was present or absent.<br>B. The identification of the pH probe associated with pH meter SV-6 is not recorded in the calibration log, equipment log or LIMS. | | See Attached |

SIGNATURE Thomas Widera
Responsible Official
(Technical Director, QA Officer, or Manager)

3/7/2024
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS ON BACK CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Pace Analytical Services, LLC – Ormond Beach, FL | E83079 | January 8-12, 2024 | Carolyn Elmore |

PARAMETERS SURVEYED: BIOLOGICAL TISSUES- Metals
DRINKING WATER- Group I Unregulated Contaminants, Group II Unregulated Contaminants, Other Regulated Contaminants, Group III Unregulated Contaminants, Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants, Synthetic Organic Contaminants, Radiochemistry.
NON-POTABLE WATER- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.
SOLID AND CHEMICAL MATERIALS- Extractable Organics, General Chemistry, Metals, Microbiology, Pesticides-Herbicides-PCBs, Volatile Organics.

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| | C. The GC column serial numbers are not recorded for traceability in Semivolatiles for instruments 35MSSL, 35MSSC and 35MSSH.<br>D. The TCLP EPA 1311 preparation record and extraction log for lot 351806 did not include the final pH of Fluid #1 on the date prepared or the date used. The pH was listed on the container but not included in a permanent record. | | |
| 5. | **V1M4 1.7.1.1. n** Initial Calibration Verification (ICV): All initial calibrations shall be verified with a standard obtained from a second manufacturer or a separate lot prepared independently by the same manufacturer.<br><br>The calibration for EPA 515 analysis on 12/28/23 was not verified with a standard from a second source or preparation lot. The standard log record traces the stock of both the ICAL and ICV to stock standard 3513060. | | See Attached |
| 6. | **TNI V1M2 4.2.8.5** Laboratories shall maintain SOPs that accurately reflect all phases of current laboratory activities, such as assessing data integrity, corrective actions, handling customer complaints, and all methods.<br><br>The laboratory SOP-ORB1-0165 v02 for FL-PRO states that retention time window studies will be performed on an annual basis, however, there are no records of annual RT studies for 2022 or 2023. | | See Attached |
| 7. | **TNI V1M2 5.4.1** Deviation from test and calibration methods shall occur only if the deviation has been documented, technically justified, authorized, and accepted by the customer.<br><br>During the TSS SM2540 D demonstration, the analyst did not rinse the filter with 3 successive volumes of ≥10 mL of DI water, allowing complete drainage between washings as stated in ENV-SOP-ORB1-0101 v04, the analyst only rinsed with a single 10 mL volume of DI water. | | See Attached |

SIGNATURE Thomas Widera
Responsible Official
(Technical Director, QA Officer, or Manager)

3/7/2024
DATE

**Instructions for Providing Corrective Actions Related to FL DH1137**
**Supplied by Labtopia Solutions**

Please Read and Follow these instructions.

1. Corrective actions are to be competed and submitted to Labtopia Solutions to the lead assessor and to FLAUDIT@labtopiainc.com by email. All information is to be sent electronically. If there is a problem with file size, email the assessor.
2. Acknowledge receipt of the report and findings by email to the lead assessor and to FLAUDIT@labtopiainc.com within **7 days** of receipt. This does not mean you agree with the findings but simply received the report.
3. For each finding provide the following in your response:
    a. Root cause analysis
    b. Identification of impacted client data, if applicable
    c. Corrective Action
    d. Scheduled corrective action plan, if applicable
    e. Training of applicable personnel regarding the corrective action
    f. Proof of completion for any repeat findings. Proof is not needed for first time findings. Proof of correction of all findings will be examined during the next FLDOH assessment.
    g. Follow-up to ensure the corrective action is effective.
4. Two copies of the DH 1137 are provided. One is a pdf and the other in Word. The Word form can be used to enter the information. The following **must be on the DH1137:**
    - Signature of the laboratory representative on each page of DH1137. Electronic signatures are acceptable. The form must be signed by the responsible laboratory representative.
    - Dates of completion of the corrective actions entered into column #4. Dates cannot be longer than 6 months from the last day of the audit without special state dispensation.
    - **Either** the root cause/corrective action chosen **or** a 'see attachment' with the completed form/spreadsheet/document used by your laboratory to document the full corrective action process to include but not limited to: root cause, action selected, training as applicable, follow-up at a later date after actions are implement to assure the corrective action solved the problem. Ensure all pages of the attachment are identified with the audit date and finding number (e.g., Audit 01-12-2014, Finding #1, page x of y)
5. Do **NOT** renumber findings. Use the finding # in Pre-fix tag, column #1 of DH1137. The corrective action plan (CAP) must use these numbers on any forms, proof of correction or reference to the finding.
6. Only **two (2) attempts** to address findings are allowed per TNI. The first CAP response must be received within **30 days** of receipt of the report. Please send via email to FLAUDIT@Labtopiainc.com and the assessor. Include Laboratory Name, E# and "CAP1 or CAP2 Response".
7. Reply to each finding. If the same proof is used for two or more findings, say see previous finding #XXX to refer to other finding attachments.
8. You must present reasonable dates for completion and time frames. Per TNI all actions must be completed within 6 months of the receipt of the assessment report.
9. If you do not concur with any of the findings stated, present rationale to support this position either on the form or in the attachment with the applicable finding #.
10. Labtopia Solutions will review your responses; provide any feedback via letter emailed to you. If a second response is needed, title the email CAP2 in the subject and title all file names to begin with CAP2.
11. Labtopia Solutions does not make the accreditation decisions. FLDOH makes the decisions based on the reports and CAPS and any other information needed.
12. You will be copied on the CAP review letters sent to FLDOH.

If you have questions email the assessor and JMensingh@labtopiainc.com

## Report of Findings and Plans of Correction

1. ***TNI V1M2 5.6.4.2.d –*** All containers of prepared standards, reference materials, and reagents shall bear a unique identifier and an expiration date.

   The volatiles GCMS 35MSVG autosampler Internal Standard/Surrogate reservoirs are not labeled with the identification and expiration date of its contents.

   REPEAT DEFICICENCY from the 1/2022 on-site assessment.

**Root Cause:**

The current staff responsible for making the standards did not know that a label needed to be placed on the instrument. The trainer did not pass this knowledge on.
.

**Corrective Action Plan:**

The current staff will be trained on the requirement. This requirement will be added to both the 524.2 and 8260 SOPs to ensure future staff will also know the requirement.

**Completion Date:** 04/30/2024

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure the information is being recorded during internal audits.

2. ***TNI V1M2 5.5.13.1.d –*** Temperature measuring devices shall be calibrated or verified at least annually. Calibration or verification shall be performed using a recognized National Metrology Institute traceable reference, such as NIST, when available

   The ATC probe associated with pH meter SV-6 has not been verified annually for temperature accuracy.

   REPEAT DEFICIENCY from the 1/2022 on-site assessment

**Root Cause:**

The analyst was unaware of the requirement and did not properly request QA to add the pH meter and probe to the equipment list when received. This would have alerted QA to temperature check the ATC.

**Corrective Action Plan:**

The lab staff will be trained on the proper procedure for requesting new equipment be added to the equipment list, so QA will then know if there is an ATC that needs to be calibrated.

**Completion Date:** 04/30/2024

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits.

3. ***TNI V1M2 4.14.5.c –*** The internal audit schedule shall be completed annually.

   The technical observation portion of the EPA 533 internal audit for September 2023 was not performed or rescheduled.

**Root Cause:**

The internal auditor had difficulty scheduling with the lab to have the analysis observed and then it fell off the radar and was not rescheduled.

**Corrective Action Plan:**

The internal auditors will be retrained on monitoring the internal audit schedule for audits to be completed and to alert the QM if the schedule cannot be met. The QM will monitor the internal audit schedule monthly to ensure all assigned audits have been completed or are rescheduled.

**Completion Date:** 04/30/2024

**Monitoring and Follow-up:**

The QM will monitor the internal audit schedule monthly to ensure all scheduled audits are completed or rescheduled if necessary.

4. ***TNI V1M2 4.13.3.a -*** The laboratory shall establish a record keeping system that allows the history of the sample and associated data to be readily understood through the documentation. This system shall produce unequivocal, accurate records that document all laboratory activities such as laboratory facilities, equipment, analytical methods, and related laboratory activities, such as sample receipt, sample preparation, or data verification, and inter-laboratory transfers of samples and/or extracts.

   a. The batch preparation does not include the record of the residual chlorine test result, only the lot number of the chlorine strips is recorded. It does not indicate whether residual chlorine was present or absent.
   b. The identification of the pH probe associated with pH meter SV-6 is not recorded in the calibration log, equipment log, or LIMS.
   c. The GC column serial numbers are not recorded for Semivolatiles for instruments 35MSSL, 35MSSC, and 35MSSH.

d. The TCLP EPA 1311 preparation record and extraction log for lot 351806 did not include the final pH of Fluid #1 on the date prepared or the date used. The pH was listed on the container but not included in a permanent record.

**Root Cause:**

a. The laboratory was only documenting if the chlorine was positive on the run log. They thought this was sufficient.
b. The analyst was unaware of the requirement and did not properly request QA to add the pH meter and probe to the equipment list when received.
c. The analysts knew that new columns needed to be documented in the maintenance log but were not aware that the serial number needed to be included.
d. The staff felt it was sufficient to only record the initial pH on the carboy and that the subsequent pH checks were placed in the eLog.

**Corrective Action Plan:**

a. Each test of chlorine will be manually documented on the run log, whether absent or present. An investigation will be done to see if a column can be added in Target for the chlorine result.
b. The lab staff will be trained on the proper procedure for requesting new equipment be added to the equipment list, so QA will then know to add the equipment and produce labels for the equipment.
c. The staff will be trained on the requirement to add the serial number in the maintenance log for when a new column is installed.
d. The initial pH will be recorded in the notes section of the Standard log.

**Completion Date:** 04/30/2024

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits.

***5. TNI V1M4 1.7.1.1.n –*** Initial Calibration Verification (ICV): All initial calibrations shall be verified with a standard obtained from a second manufacturer or a separate lot prepared independently by the same manufacturer.

The calibration for EPA 515.3 analysis on 12/28/23 was not verified with a standard from a second source or preparation lot. The standard log record traces the stock of both the ICAL and ICV to stock standard 3513060.

**Root Cause:**

Due to low stock for one source, the sources used for calibration and ICV were switched, but the containers were not relabeled which resulted in wrong vials being used.

**Corrective Action Plan:**

Staff will be trained on the requirement for using separate sources for calibration and ICV. Secondary review will be performed on the preparation of the standards prior to use.

**Completion Date:** **4**/30/2024

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits.

6. ***TNI V1M2 4.2.8.5 –*** Laboratories shall maintain SOPs that accurately reflect all phases of current laboratory activities, such as data integrity, corrective actions, handling customer complaints, and ll methods.

   The laboratory SOP ENV-SOP-ORB1-0165 v02 for FL-PRO states that the retention time window studies will be performed on an annual basis, however, there are no records of annual RT studies for 2022 and 2023.

**Root Cause:**

This was an oversight by the laboratory.

**Corrective Action Plan:**

A tracking template for the retention time window studies will be created to allow for easy tracking and oversight of this process.

**Completion Date:** 04/30/24

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits.

7. ***TNI V1M2 5.4.1 –*** Deviation from test and calibration methods shall occur only if the deviation has been documented, technically justified, authorized, and accepted by the customer.

During the TSS SM2540 D demonstration, the analyst did not rinse the filter with 3 successive volumes of ≥ 10 mL of DI water, allowing complete drainage between washings at stated in ENV-SOP-ORB1-0101 v04. The analyst only rinsed with a single 10 mL volume of DI water.

**Root Cause:**

The technician was not following the process detailed in the SOP.

**Corrective Action Plan:**

Training will occur to detail the exact process for filtering and rinsing for TSS analysis. The SOP R&A will be reassigned to all technicians doing TSS analysis. An internal audit will be performed for this analysis in March, where additional training by QA will take place.

**Completion Date:** 04/30/2024

**Monitoring and Follow-up:**

The local Quality Department will follow up in 60-90 days to verify that all corrective actions have been implemented and continue to monitor the lab to ensure continued implementation during internal audits.

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March 21 2024

Vanessa Soto Contreras, Administrator
Florida DOH Environmental Laboratory Certification Program
Bureau of Public Health Laboratories
Division of Disease Control and Health Protection
P.O. Box 210, Jacksonville, FL 32231
Transmitted via email: Vanessa.SotoContreras@flhealth.gov

Re: Review of Corrective Action Plan. Recommended for Approval. Pace Analytical Services, LLC – Ormond Beach, FL E83079: CAP#1 review:

The laboratory submitted the corrective action plan (CAP) via email on March 7, 2024. The laboratory audit report was sent February 9, 2024.

The CAP review included the following:

- Review of root cause (Basic root cause provided)
- Completion dates (Dates within 6 months of assessment provided)
- Follow-up to assure actions remain effective (Follow-up activities mentioned)
- Training when applicable (Included in response when applicable).

Actions for the following findings related to the report issued on February 9, 2024 were reviewed:

| Finding # | Status |
|---|---|
| 1 | **Approved** |
| 2 | **Approved** |
| 3 | **Approved** |
| 4 | **Approved** |
| 5 | **Approved** |
| 6 | **Approved** |

| Finding # | Status |
|---|---|
| 7 | **Approved** |

The laboratory is recommended for approval by Carolyn Elmore.

Sincerely,



Carolyn Elmore

Environmental Programs, Lead Assessor

**Labtopia**

## G. description of the laboratory and relevant experience

## Statement of Capabilities

Pace Florida has been incumbent for >10 years with great service to the City of Ormond Beach and would be pleased to continue this service. The City of Ormond Beach required project management, sample courier, field sampling, and short hold-time analytical services will be provided by the Pace Ormond Beach Laboratory located at 8 East Tower Circle, Ormond Beach, FL 32174. This laboratory is located a few miles from the City's water and Wastewater plants. Samples are received by Pace Ormond Beach daily and logged into its Laboratory Information Management System (LIMS). The Ormond Beach laboratory is open 24/5 Monday-Friday and 12/2 Saturday/Sunday, so when samples arrive they go right into sample preparation/extraction for processing. Pace Analytical maintains a comprehensive list of certifications and methodologies throughout its 50 laboratories. 21 Pace laboratories are certified by FDOH/NELAP, providing significant back-up laboratory capacity in the event of an emergency response or major up surge in City requirements. Since all Pace labs operate on the same Laboratory Information Management system (LIMS) when work is shared between Pace labs the client receives one report, EDD, and its primary lab PM remains its sole source of contact.

Pace Analytical Services, LLC (Pace Analytical) was established in 1978. We are a privately held, full service sampling and analytical services firm operating a network of 50 environmental laboratories and 48 service centers nationwide, plus 8 Life Sciences laboratories. All of our full-service environmental laboratories are NELAC accredited. Our laboratories utilize U.S. EPA, ASTM, Standard Methods, NIOSH, and other accepted test procedures and methods, in accordance with federal and state regulations.

The company consists of two divisions: Environmental and Life Sciences. Analytical testing and related services include analytical chemistry, on-site field sampling, product and material testing, microbiology services, medical device and drug-device combination product testing, professional laboratory staffing, and lab equipment sales and services. Pace Analytical Services, LLC maintains a comprehensive list of certifications and methodologies throughout our laboratories. In addition to offering full service environmental analytical services, Pace Analytica Services, LLC provides specialty environmental testing services.

Pace Florida provides comprehensive environmental laboratory services from its Ormond Beach location. The Pace Florida laboratory was expanded to 20,000 square feet and completely renovated in 2010 and expanded again to add 10,000 more square feet in 2017. In addition, at that time the operation began operating on a 24 hour a day schedule Monday through Friday, and 12 hour a day schedule on Saturday and Sunday. As a result the average turnaround time for mainstream parameters is less than our industry competitors.

Pace Florida provides field sampling and laboratory testing services to numerous Municipal and Solid Waste facilities around the state. All analytical services and field services associated with the City of Ormond Beach will be completed at our Ormond Beach, FL facility to include support from our sister labs and subcontractor labs.

Pace agrees to the Scope of Services section and requirements of this ITB with the following exceptions.

1) Radiochemistry may take 4-6 weeks for completed data depending on the workload of the PA lab.
2) Dioxin may take up to 3 weeks for complete data.

In addition to offering full service environmental analytical services, Pace Analytical provides the following specialty environmental testing services:

- Dioxin / Furan
- Biota
- Air Toxics
- Mobile Lab
- Microbiological
- Mixed Waste Characterization
- Field Sampling and Analysis
- Environmental Forensics
- PFAS by 537.1 and 533 for DW
- Aquatic Toxicity / Bioassay
- Radiochemistry
- Low Level Mercury Analysis
- Vapor Intrusion
- PCB Congeners
- On-Site Gas Phase FTIR
- Drinking Water Analysis
- Stack Testing
- PFAS by 1633 for all NP matrices and solids

Pace is currently the lab contractor for, among others:

- Palm Beach County
- Miami-Dade County
- Martin County
- Brevard County
- Collier County
- Palm Beach County
- Volusia County
- Sarasota County
- Lake County

Pace Florida Instrumentation:

- 25 Gas Chromatograph/Mass Spectrometer Systems
- 17 Gas Chromatograph Systems
- 5 High Pressure Liquid Chromatographs
- 3 Liquid Chromatograph-Mass Spectrometer/Mass Spectrometer System
- 7 Lachat Automated Analyzers
- 3 Inductively Coupled Plasma/Mass Spectrometer Systems
- 4 Inductively Coupled Plasma Systems
- 1 Mercury Analyzers
- 10 Ion Chromatographs
- 2 TOC Analyzers

A strength of Pace's is the production of Florida Drinking Water forms and Electronic Data Deliverables (EDDs). Pace has automated this process as much as it can be automated and delivers EDDs within a day of final report generation. Pace is the only national laboratory company that has every lab operating on a uniform Laboratory Information Management System (LIMS). This system coupled with PacePort enables clients and Pace Project Managers to accurately schedule and modify client accounts and projects. PacePort is Pace's password protected website that provides clients with access 24/7 to their data and other tools:

- Access to all records such as final reports, drinking water forms, chain-of-custodies, invoices, and preliminary data
- Automated and customized container ordering, and COC creation
- Immediate notification of sample receipt and itemized sample log-in information
- Automated notification of exceedances of action and permit limits
- Automated creation of EDDs such as ADaPT customized to your specifications and formats
- Rush project tracking
- Automated delivery of reports and EDD's via email to multiple addresses
- Indefinite historical retention of all data

Our Management Team and Department Managers have on average at least 20 years of experience in the analytical testing arena, which gives us a clear understanding of how to work with clients like City of Ormond Beach with environmental needs in multiple disciplines.

Pace Florida has been the incumbent laboratory for the City of Ormond beach and has plenty of capacity to continue the work under this contract as in the ITB.

## H. References

Organization Name: Lake County
Address: 315 West Main Street
Address: Tavares, FL 32278
Contact: Mr. Bill Ponko
Telephone: 352-343-9489
Fax: 352-343-9473
Email: bill.ponko@lakecountyfl.gov
Years of Service: 10+ years
Water testing, DW

Organization Name: Sarasota County
Address: 1255 T. Mabry Carlton Parkway
Address: Venice, FL 34292
Contact: Mr. Cesar Rodriguez-Palacios
Telephone: 941-979-1775
Email: crodrigu@scgov.net
Years of Service: 10+ years
WW, DW, Landfill

Organization Name: Brevard County
Address: 3630 N. Courtenay Parkway
Address: Merritt Island, FL 32753-8103
Contact: Mr. Charles (Chris) Johnson
Telephone: 321-455-1331
Email: charles.johnson@brevardfl.gov
Years of Service: 10
WW, MW, DW

Organization Name: City of Hollywood
Address: PO Box 229045
Address: Hollywood, FL 33022
Contact: Glen Superville
Telephone: 954-921-3414
Email: gsuperville@hollywoodfl.org
Years of Service: 8
DW, WW, Ground Water testing

## I. Org Chart and Resumes of key staff

Pace's primary Project Manager for the City of Lauderhill will be Matthew Cichon. City personnel will call and/or email Mr. Cichon for any requirements regarding sample courier and field sampling service, sample status, rapid turnaround time requirements, quality assurance questions, report and invoice questions, and any other questions related to Pace performance under the contract. Pace's customer services are second to none. Our dedicated PM will handle all your needs when they arise and if he needs help, he can rely on his boss Lorraine Noronha, whose resume is included later in this document, our Customer Service Manager in the Florida lab. Lorraine has also assigned teams of Pace PM's that support each other when Mr. Cichon is out of the office, so you are never left alone. Complaints can be made directly to Mr. Cichon but if they are not resolved to your satisfaction, you can always call Mike Valder, the Senior Account Executive who is preparing this RFP, for additional support. We will involve the Management team to gain a proper resolution. Mr. Cichon's resume is below:

# 35 – Pace Florida

VP Sales = Justin Hall
Director Sales = Dave Chaffman
Sr. Account Exec = Michael Valder
Account Exec = Open
Account Exec (Inbound) = DJ Kapadia

Director Sales = David Chaffman
Sales Manager= David Chaffman
Sr. Account Exec = Neshmah Castaneda
Sr. Account Exec = Megan Lantry

VP HR = Nicole Ott
Director HR Strategy = Denise Weekes
HR Business Partner = Billie Jo Sikes

**VP of Operations**
Rusty Vancini

**General Manager**
Trisha Kelly

**Operations Manager**
Mercedes Bergkvist

Director QA = Kirstin Daigle
Quality Program Mgr = Tina Buttermore
Quality Manager = Tom Widera
Quality Analyst = Lynn Baylor*
Quality Analyst = Ryan Brown
Admin Asst (Ormond) = Evahn Smith
Admin Asst (Ormond) = Jamarcus Campbell

VP – CIO = Kyle Korzenowski
Director – IT Infratructure = Jeremy Jenkins
Manager – Systems Admin = Laz Espinosa
Supervisor – Regional Systems = Kurt Hall
Systems Administrator = William Cutburth

ISG Group:
Manager= Brandon Hardesty

## Prep Lab

**Supervisor**
Kimberly Hazelwood
**Lab Techs**
Henry Agudelo
Calvin Johnson
Taylor Jones
Simone Williams
Derek Campbell
Kristen Pascoe
Tristan Robb
Amira Sabry
Alan Graff
Jake Somereve
Grace Price

**Supervisor**
Rebecca Summerlot
**Lab Techs**
Tonisha Howell – Lead
Julie Gorman
Kireran Williams
Leslie Preece
Jewlyana Crespo
Christopher Glowaczewski
Kelsie McGrath
Jeffrey Ciruzzi
Kelly Ferrero
Kevin Cherry

## Organics

**PFAS**
**Technical Specialist**
Scott Rampenthal
**Scientist**
Toby Walizer
Tatiana Mendez
**Lab Tech**
Elizabeth Post
Thomas Lindsey
Delaney Bowers
Dondi Tabora
Ashka Alexandre

**Volatiles GCMS**
**Supervisor**
Jennifer Reed
**Scientists**
Abigail Szczepanek (LOA)
Anna Duhaime
Christopher Turner
Joel Fechtenburg
**Lab Tech**
Jenifer Romero

**Semi-Volatiles GCMS**
**Manager**
Edward Osgood
**Technical Specialist**
Brian Rusler
**Scientists**
Connnie Ketzeback
Patricia Cooper (LOA)
Brittany Maxwell
Wriley White
Brandon Bateman
Mitchell Isaacs
Heather Neal
**Lab Tech**
Jessica Costley

**Semi-Volatiles GCLC**
**Supervisor**
Open
**Scientists**
Landon Manning
Sean Lyons
Brittany Holland
Steven Mosher
Thomas Cevallos
Kaitlynn Pike
Aaminah Ouda
Hali Luo
**Lab Tech**
Darrian Ferreiro
Matthew Dillon

## Inorganics

**Metals**
**Manager**
Hazel Aranda
**Scientists**
Lela Crandell
Tori Anthony
Eric Page
Kevin Chen
Brandon Lobb
Jacqueline Kamenszky
Aaron Ervin
Anna Mironyuk
**Lab Techs**
Nickolas Conners – Lead
Amber Fluri
Deanna Williams
Brianna Arroyos
Andrew Barcomb
Sarah Bossardet

**Wet Chem**
**Manager**
Ryan Brown
**Scientists**
Cherise Bideau – Lead
Adam Smith
Melissa Dixon
Deion Marshall
Jesse Bateman
Carey Lisk
Kayla Washington
Sean Henderson
Jordan Holmes
Lindsey Levesque (LOA)
Elizabeth Difabio
Heath Vincent
Winston Willis
Jill Knazur
Alisha Dreese
Matthew DiMinno
Paige Lane
Vidysha Greene
Kristin Clark
**Lab Techs**
Stearly Bethune
Jon McQueen
Nathaniel Romo
**Data Reviewer**
Ariel Crockett

## Sample Receiving

**Manager**
Megan Stacy
**Client Services Techs**
Andrew Smith – Lead
Tyre Seabrook - Lead
Zachary Baylor
Chad Johnson
Brandi Parlato
Nikkilynn Parlato
Lance Simmons
Taylor Walker
Gregory Ford
Emma Sharpe
Nathaniel Powell
Milton Figueroa
Jackson Smith
Katelynn McLaughlin
**Kit Prep/Sample Disposal**
**Client Services Techs**
Bryant Summerlot - Lead
Samuel Baylor
Anna Jones
Michael Menden
Adam Stewart
Carolyn Keiner
Scott Lacasse

*Safety Coordinator
**Hazard Waste Coordinator

Rev: 03/01/2024

# 35 – Pace Florida

VP Sales = Justin Hall
Director Sales = Dave Chaffman
Sr. Account Exec = Michael Valder
Account Exec = Open Exec
(Inbound) = DJ Kapadia

Director Sales = David Chaffman
Sr. Account Exec = Neshmah Castaneda
Account Exec = Open
Sr. Account Exec = Megan Lantry

VP HR = Nicole Ott
Director HR = Denise Weekes
HR Business Partner = Billie Jo Sikes

**VP of Operations**
Rusty Vancini

**General Manager**
Trisha Kelly

Director QA = Kirstin Daigle
Quality Program Mgr = Stephanie Atkins
Quality Manager = Tina Buttermore
Quality Analyst = Lynn Baylor**
Admin Asst (Ormond) = Evahn Smith

VP – CIO = Kyle Korzenowski
Director – IT Infrastructure = Jeremy Jenkins
Manager – Systems Admin = Laz Espinosa
Supervisor – Regional Systems = Kurt Hall
Systems Administrator = William Cutburth

**Manager**
**Client Services**
Lorraine Noronha

**Tuscaloosa Service Center**

**Ops Mgr (NOLA)**
Steven Martin
**Client Services Techs**
Coded to 20

**Scientists**
Korrina Cox**

**Manager (NOLA)**
Donald Brooks
**Field Techs**
James Clardy
Linda Morton
Nicholas Munoz

**Pompano Beach Lab**

**Manager**
Christina Raschke

**Scientists**
Guadalupe Lopez
Alejandra Martinez
Kayla Durandisse

**Client Service Techs**
William Phillips
Juiliette Smith

**Couriers**
Jayson Castaneda
Lucner Lordeus
Mark Walter (LOA)
Joachin Pierre

**Oldsmar Lab**

**Manager**
Salvador Ramos*

**Scientists**
Heather Groner
Laura Fulla
**Client Services Leads**
James Pollard
Roland Rogers
**Client Service Techs**
Alejandra Gonzalez
Kristina Terry
Leatha Shaffer
**Couriers**
Kirk Brownell
Maribel Cruz
Sandra Curtis

**Supervisor**
James Stockbridge
**Field Techs**
Howard Bogues
Larry Nunley

**Ormond Beach Lab**

**Project Mangers**
Jeffrey Baylor - Lead
Vincent (Bo) Garcia – Lead
Todd Baumgartner - Lead
Bradley Smith
Dipal (DJ) Kapadia
Mathew Cichon
Meghan Wilkins

**Project Coordinators-**
Judith Platt
Lorraine Avila
Susan Kallam
Mica D'Alesandro

**Field Techs**
Bruce Foster
David Ice
Westley Timmons
**Couriers**
Rene Boivin
Troy Washington

**Tuscaloosa Service Center**

**Project Managers**
David Hernandez
Sherri Rosenstangle

**Miami Lakes Service Center**
**Project Coordinator**
Latoiya Prince

**Pompano Beach Lab**

**Project Managers**
Jarod Collier
Rosy Guima
**Project Coordinators**
Luz Woiski

**Field Techs**
James Norton
Kayla Askins
Terrance Mond
Richard Flores
Daeshaun Allison

**Jacksonville Service Center**

**Project Managers**
Martha Montero
**Project Coordinator**
Lakevia Brown
**Couriers**
Ronnie Barrett

**Oldsmar Lab**

**Supervisor**
Lori Palmer
**Project Managers**
Cameron Meynardie
Chelsea Gagne
Yvette Prieto

**Project Coordinator**
Melissa McLaughlin

Rev: 03/01/2024

**Mathew Cichon**
**Project Manager, Florida**

**Education**
Bachelor of Science, Biology, University of Pittsburgh, 2020

**Experience**

Mr. Cichon has several years of environmental analytical experience in Wet Chemistry methods; he is well versed in Drinking and Waste Waters methods. His expertise includes Cyanide, Total Phosphorus, Total Organic Carbon, and many short hold tests. As an analyst, he was responsible for prioritizing multiple methods for regulated holding times and project required turnaround times. The analytical experience provided a solid foundation as Mr. Cichon transitioned from operations to a client services role as a Project Manager.

In his current role, Mr. Cichon serves as the primary point of contact for clients; he works with all aspects of the project's flow, from project inception, sample kits, field sampling, sample receipt, reporting, and final deliverables. As a Project Manager, he provides project updates, communicates technical or logistics issues as a conduit to both the client and Pace operations, works on resolutions, and meets client and project expectations. He is experienced with managing projects across the country for a variety of matrices and a wide analytical scope. Mr. Cichon is well versed with the quality, certification, and regulatory needs of projects, thus providing technical support to clients for the duration of the project.

**LORRAINE NORONHA**
**CLIENT SERVICES MANAGER, FLORIDA**

## EDUCATION

BA, Chemistry, Florida Atlantic University, 1993
MBA, Georgia Southern University, 1999
CPC, American Association of Professional Coders, 2015
DHSc, Nova Southeastern University, 2022

## EXPERIENCE

Ms. Noronha has extensive experience in analytical and environmental chemistry, serving in multiple capacities, including positions as a bench Chemist and Operations Manager, Technical and Corporate Quality Director, Director of Business Development, Sales Manager, and as President of a national DoD laboratory. Her 24-year plus broad industry knowledge and experience includes method development and analysis; development, expansion, and implementation of training programs; oversight of corporate quality systems; leadership and management of sales and client facing teams; mentoring and developing key staff and personnel; and strategic planning and implementation of best practices across various departments and levels.

From 2015 to 2022, Ms. Noronha worked in the health care industry in a variety of leadership and client facing roles and most recently as the VP of Operations; she returned to her core passion for environmental chemistry and her prior employer Pace in November of 2022 as the Client Services Manager for Pace Florida, which includes offices in Ormond Beach, Tampa, Pompano Beach, Jacksonville, and Tuscaloosa. In her current role, Ms. Noronha strategically works to recruit, manage, train, and retain personnel within the client services team and collaborates with all internal and external stakeholders in best practices and logistics related to excellence in the delivery of products to clients.

To the Pace team, Ms. Noronha brings many years of knowledge and expertise in environmental methods, regulatory and compliance protocols, leadership and management skills, a customer centric approach to client services, a passion for effective and efficient production operations systems, and relevant educational and professional experiences across industries and companies.

**TRISHA L. KELLY**
**General Manager**

## EDUCATION

B.S. Biology (Radford University, 2003)

## RELEVANT EXPERIENCE

Ms. Kelly is responsible for overseeing the management of the entire laboratory to include client services, semi-volatiles, volatiles, wet chemistry, metals, and extractions. She is responsible for adhering to quality protocol as well as P&L for the Florida Business Unit.
Other responsibilities include engaging staff; Presenting meaningful information to stakeholders; Continuously looking for ways to improve quality and or efficiency; Working closely with sales for new business opportunities and growth; Assisting the lab as well as clients with any specific issues or needs that may arise.

Ms. Kelly has over 21 years of environmental laboratory experience. This includes work as an analyst in Wet Chemistry and Microbiology as well as prepping samples in metals; Inorganic manager, where she managed both Wet Chemistry and Metals; Semi volatiles / UCMR manager, where she managed the UCMR program and the DW methods in Semi- Volatiles; and Operations manager, where she had oversight over the Ormond Beach Laboratory Operations, managing 9 direct supervisors/managers, and approximately 130 indirect staff. She is knowledgeable in many analytical protocols and methods, as well as lab management. In April 2022, she became the General Manager of the Florida Business Unit.

**MERCEDES BERGKVIST**
**OPERATIONS MANAGER**

## EDUCATION

California State University, Sacramento: 2012

## EXPERIENCE

Ms. Bergkvist joined Pace Analytical Services in 2018 and has more than 10 years of laboratory experience. She is currently serving as the Operations Manager, responsible for all laboratory operations. She is responsible for providing or overseeing various areas of the laboratory including sample analysis, testing services, budget management, and laboratory policies and practices. She is also responsible for providing feedback, direction, and guidance to employees and management, using professional and technical knowledge of environmental, biological, chemical, and related sciences. Her job duties include:

- Oversees and supervises laboratory staff including hiring, training, performance evaluation, and performance management.
- Manages broad areas of the operations including sample testing, scheduling, inventories, communication, and overall coordination of the lab.
- Responsible for overseeing laboratory operations for the Wet Chemistry, Metals, Semi-volatiles, Volatiles, and Organic Extractions departments and methods.

**Instrumentation/methodologies:** Gas Chromatography, IC, ICP, ICPMS, GCMS, LCMSMS, and High Performance Liquid Chromatography.

**THOMAS WIDERA**
**QUALITY MANAGER, FLORIDA**

## EDUCATION

B.A. in Chemistry (SUNY Potsdam, 1988)

## EXPERIENCE

Mr. Widera has over 33 years of experience in the environmental industry in both the analytical and regulatory sectors. He is currently Pace's Quality Manager for the Florida Region. This includes maintaining regulatory compliance, data validation, laboratory analytical protocols, quality assurance documentation and conformance to quality criteria. He serves as a liaison between Pace Analytical-Florida and state/federal regulatory agencies on quality control and compliance issues. Mr. Widera provides technical support to laboratory operations and clients regarding methodology and project QA/QC requirements.

Mr. Widera is an experienced chemist. His background includes roles as Product Manager and Technical Manager for a Proficiency Testing Provider; Metals Manager, Laboratory Manager, and Analyst for laboratories performing microbiological, inorganic, and organic methods; data validator, QAPP writer, lab auditor, and field sampler for the EPA Region 1 ESAT Team.

Mr. Widera has a B.A. Degree in Chemistry from SUNY Potsdam. He currently maintains membership with The NELAC Institute and the Florida Society for Environmental Analysts.

**Kimberly Hazelwood**
**Organic Prep Supervisor**

**Education**
BS in Fish and Wildlife conversation (University of Illinois)

**Experience**
Kimberly Hazelwood has 6 ½ years of experience in the environmental industry. She has worked in organic prep and the project management group. She has worked through multiple UCMR programs and method development. She has been in her current position for 2 years.

**REBECCA SUMMERLOT**
**ORGANIC EXTRACTIONS SUPERVISOR**

## EDUCATION

B.S., Biology (Stetson University, 2015)

## EXPERIENCE

Ms. Summerlot joined Pace in 2017. She started as a laboratory tech 1 for 1 year, moved to a laboratory tech 2 for a few months, then was promoted to a team leader until January 2020 when she was promoted to the drinking water organic extractions supervisor. She has also been the Extraction's safety officer since 2018 and in charge of all ordering for the Organic Extractions department (both environmental and drinking waters) since 2019. She has experience extracting 515.3, 549.2, 548.1, 525.2, 508.1, 505, 608.3, 8270 Full list, 8270 PAH, FL-PRO, 8141, 8081, 8082, and
6630C.

[O] 386.672.5668
rebecca.summerlot@pacelabs.com
8 East Tower Circle, Ormond Beach, FL 32174

**Scott Rampenthal**
**Lab Analyst 3**

**EDUCATION**
BS, University of Miami (FL), 1973

**RELEVANT EXPERIENCE**
Mr. Rampenthal joined Pace Analytical Services in 2018 He is currently serving as the Lab Analyst 3. He is responsible for the analysis of organic samples. His job duties include:
LC/MS/MS analysis for UCMR4
GC/MS analysis for UCMR4
Data Review and Validation

**Previous Experience**
Prior to joining Pace, Mr. Rampenthal worked at Orange County Utilities. His job duties included:
Management of TNI accredited environmental laboratory in support of Orange County Utilities operations
Developed methods using GC/MS/MS and LC/MS/MS instrumentation

**Instrumentation** Agilent 7890/5975, Agilent Intuvo 9000/5977B, Agilent 7010 QQQ, Thermo Electron Vantage LC/MS, Dionex 5000+ Ion Chromatograph

**JENNIFER REED**
**SUPERVISOR, ORMOND BEACH VOLATILES LAB**

**EDUCATION**
A.A Biology (Daytona State University, 2000)

**EXPERIENCE**
Mrs. Reed has over 15 years of experience in the environmental industry as both a technician and an analytical scientist. She is currently Supervisor of the Ormond Beach Volatiles lab. This includes maintaining SOPs, MDLs and DOCs, data validation, laboratory analytical protocols, quality assurance documentation and conformance to quality criteria. Mrs. Reed provides support and guidance to laboratory operations and helps to maintain instrumentation in the lab.

Mrs. Reed started her career in the environmental industry as a technician in organics prep, after which she moved on to be a semi-volatiles analytical scientist, and eventually into volatiles also as a scientist. The varied training she has received during this time helped to prepare her for her current leadership role.

Mrs. Reed has a A.A. degree with focus hours in Biology from Daytona State University.

**EDWARD OSGOOD**
**SEMI-VOLATILES ENVIRONMENTAL MANAGER**

## EDUCATION

B.S. Chemistry (Rollins College, 2006)

## EXPERIENCE

Mr. Osgood has been in the environmental industry since 2006 when he started working for ELAB, Inc. as part of the Semi-Volatiles department. He joined Pace Analytical in 2008 and continued his work in the same department. In this role, Mr. Osgood was responsible for the evaluation and processing of client samples as well as instrumental troubleshooting and routine maintenance. As needed his responsibilities also included the development and establishment of in-house testing parameters for new methodology and instrument technology. Instrumental experience includes GC with ECD, FID, and NPD variances though he is predominantly proficient in GC-MS experience with testing in SW-846 methodology as well as drinking water and UCMR3 testing methods. He has also served as both the Safety and Hazardous Waste Officer within the laboratory ensuring compliance with all company, state, and federal regulations.

In July 2017 Mr. Osgood transitioned into the Quality Assurance Manager position and had the responsibility to ensure that the Quality Systems in the Ormond Beach laboratory of Pace Analytical Services, LLC. was fully implemented and followed in order for the laboratory to achieve established standards of quality. He provided guidance and direction to the laboratory in conjunction with corporate goals and guidelines set by the EPA, NELAC, and various other state and federal agencies. This included maintaining regulatory compliance, data validation, laboratory analytical protocols, quality assurance documentation and conformance to quality criteria. He aided the Senior Quality Assurance Manager as a liaison between Pace Analytical-Florida and state/federal regulatory agencies on quality control issues. Mr. Osgood also provided technical support to laboratory operations and clients regarding methodology and project QA/QC requirements and is responsible for performing internal performance audits as well as systems audits on a regular basis.

In January 2019 Mr. Osgood accepted the position as manager of the environmental section of the Semi-Volatiles department. In this role his responsibilities include management of staff and departmental budgeting as well as data validation and review. Mr. Osgood is able to apply his years of technical experience towards method development as well as provide technical support for instrumentation.

**HAZEL ARANDA**
**METALS**
**MANAGER**

## EDUCATION

B.S., Biology, (University of Central Florida, 2006)

## EXPERIENCE

Ms. Aranda joined Pace Analytical Services in 2008. She is currently serving as the Metals Manager. She is responsible for the daily management of the metals department. Her job duties include: Planning, coordinating, and directing operations of the department to meet holding times, provide data of appropriate quality, and to deliver analytical reports on time.

Prior to assuming the position of Metals Manager with Pace in 2014, Ms. Aranda worked in both the Wet Chemistry and Metals departments on the analytical bench. She is knowledgeable and proficient in a number of analytical protocols, including: ICP, ICP-MS, CVAA instrumentation, IC, Lachat, and UV-Vis.

**Ryan Brown**
**Supervisor,**
**Wet Chemistry**

## EDUCATION

B.S. Information Technology (Daytona State University, 2019)

## EXPERIENCE

Mr. Brown joined Pace Analytical in 2019 and has 6 years of experience in the environmental industry. He worked in the Sample Receiving department for 2 years The Wet Chemistry department for 2 years, the Quality department for 2 years, and is now the Supervisor of the Wet Chemistry department. He served as a Quality Assurance Analyst conducting all inorganic audits for 2 years before taking over the Wet Chemistry department as his current position. He brings an overall knowledge of operations and combines it with his quality assurance experience to ensure the operations of the department are adept.

Mr. Brown has experience in a vast number of environmental testing methods including nutrients, chromatography, spectrography, gravimetric, plus others. He also served as the lead sample receiving technician for a year assisting project managers with proper communication regarding client needs. His experience allows him to help project managers communicate with clients regarding technical questions, advance logistics of operations, ensure the timely completion of projects, and reinforce compliance. He has been responsible for ensuring analytical data and quality objectives are met, the expansion of analytical capability, troubleshooting instrumentation / method problems through resolution, and maintaining professional relations with third party vendors and support teams to better advance the departments' capabilities.

**MEGAN STACY**
**CLIENT SERVICE SUPERVISOR-ORMOND BEACH**

**EDUCATION**
High School Diploma
Daytona State College

**EXPERIENCE**
Ms. Stacy joined Pace Analytical Services in 2014. Ms. Stacy is responsible for the direction and coordination of the daily staff and activities in the Sample Receiving department in Ormond Beach. Her job duties include: primary point of contact for Project Managers and Sample Receiving, the daily triaging incoming client samples, work closely with the lab to priorities Short Holds/Rushes, logging in samples in a timely manner, subcontracting samples, and managing the day to day operations of the Sample Receiving Department.

**J. Length of business in the State of Florida**

Pace has been operational in Florida since early 2008 as Pace Analytical Services, Inc. and in October 1, 2016 had a name change to Pace Analytical Services, LLC.

The remainder of this page is left intentionally blank.

**Attention commercial locations, the following certification applies to all new and renewed business tax receipts:**

I certify under oath with a penalty of perjury, that all of the information contained herein is true and correct. If any portion is found to be false or misrepresented, such fact may be just cause for immediate revocation of any business tax receipt/registration issued to me and may subject me to prosecution. I acknowledge that the issuance of this business tax receipt is contingent upon complying with the building and fire prevention requirements of the City. I consent to inspection of the property by the City at any time between 9:00 a.m. and 5:00 p.m. Inspections will be performed, and should deficiencies be found that are in conflict with the City code, I understand that the City will not issue the business tax receipt until I (or the owner of the building, if leased) make the required corrections. I understand that should corrections be necessary, I am not permitted to operate this business until those corrections have been made. It is further understood that I must comply with the code of the City of Ormond Beach and failure to correct conditions which are in violation is punished under the code or sufficient cause for revocation of my business tax receipt/registration. I understand that if I engage in a business under a fictitious name, I must comply with the fictitious name statute.

**21-28125**

**CITY OF ORMOND BEACH**
P.O. Box 277
Ormond Beach, FL 32175-0277
386-676-3233 or btonline@ormondbeach.org

Fee: $72.5(
Valid 7/31/20 - 9/30/2

| Classification | Comments/Restrictions | Location / Phone |
|---|---|---|
| **LABORATORIES -SCIENTIFIC &/OR INDUSTRI** | | **8 E TOWER CIR**<br>**(386) 676-4802** |

PACE ANALYTICAL SERVICES, LLC
8 EAST TOWER CIRCLE
ORMOND BEACH FL 32174

**BUSINESS TAX RECEIPT**

Subject to Code of Ordinances Chapter 12 - This receipt must be posted conspicuously in your place of business. Penalty for failure to do so.

July 30, 2008

FLORIDA DEPARTMENT OF STATE
Division of Corporations

PACE ANALYTICAL SERVICES, INC.
7901 XERXES AVE. SOUTH, SUITE 201
MINNEAPOLIS, MN 55431

Qualification documents for PACE ANALYTICAL SERVICES, INC. were filed on July 29, 2008 and assigned document number F08000003333. Please refer to this number whenever corresponding with this office.

Your corporation is now qualified and authorized to transact business in Florida as of the file date.

The certification you requested is enclosed. To be official, the certification for a certified copy must be attached to the original document that was electronically submitted and filed under FAX audit number H08000183578.

A corporation annual report/uniform business report will be due this office between January 1 and May 1 of the year following the calendar year of the file date. A Federal Employer Identification (FEI) number will be required before this report can be filed. If you do not already have an FEI number, please apply NOW with the Internal Revenue by calling 1-800-829-4933 and requesting form SS-4.

Please be aware if the corporate address changes, it is the responsibility of the corporation to notify this office.

Should you have any questions regarding this matter, please contact this office at (850) 245-6995.

Wanda Cunningham
Regulatory Specialist II
New Filing Section
Division of Corporations

Letter Number: 008A00043820

# State of Florida

## Department of State

I certify from the records of this office that PACE ANALYTICAL SERVICES, INC., is a corporation organized under the laws of Minnesota, authorized to transact business in the State of Florida, qualified on July 29, 2008.

The document number of this corporation is F08000003333.

I further certify that said corporation has paid all fees due this office through December 31, 2008, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

I further certify that this is an electronically transmitted certificate authorized by section 15.16, Florida Statutes, and authenticated by the code, 008A00043820-073008-F08000003333-1/1, noted below.

Authentication Code: 008A00043820-073008-F08000003333-1/1

Given under my hand and the
Great Seal of the State of Florida,
at Tallahassee, the Capital, this the
Thirtieth day of July, 2008

Kurt S. Browning
Secretary of State

**APPLICATION BY FOREIGN CORPORATION FOR AUTHORIZATION TO TRANSACT BUSINESS IN FLORIDA**

*IN COMPLIANCE WITH SECTION 607.1503, FLORIDA STATUTES, THE FOLLOWING IS SUBMITTED TO REGISTER A FOREIGN CORPORATION TO TRANSACT BUSINESS IN THE STATE OF FLORIDA.*

1. Pace Analytical Services, Inc.
(Enter name of corporation; must include "INCORPORATED," "COMPANY," "CORPORATION," "Inc.," "Co.," "Corp," "Inc," "Co," or "Corp.")

(If name unavailable in Florida, enter alternate corporate name adopted for the purpose of transacting business in Florida)

2. Minnesota
(State or country under the law of which it is incorporated)

3. 41-1821617
(FEI number, if applicable)

4. October 16, 1995
(Date of incorporation)

5. Perpetual
(Duration: Year corp. will cease to exist or "perpetual")

6. N/A
(Date first transacted business in Florida, if prior to registration)
(SEE SECTIONS 607.1501 & 607.1502, F.S., to determine penalty liability)

7. 7901 Xerxes Avenue South, Suite 201, Minneapolis, MN 55431
(Principal office address)

7901 Xerxes Avenue South, Suite 201, Minneapolis, MN 55431
(Current mailing address)

8. analytical laboratory and any lawful act or activity for which corporations may be organized to do business under the laws of Florida
(Purpose(s) of corporation authorized in home state or country to be carried out in state of Florida)

9. Name and street address of Florida registered agent: (P.O. Box NOT acceptable)

Name: CT Corporation System

Office Address: 1200 South Pine Island Road

Plantation (City), Florida 33324 (Zip code)

10. **Registered agent's acceptance:**
***Having been named as registered agent and to accept service of process for the above stated corporation at the place designated in this application, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relative to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent.***

Corine Bay [illegible]
(Registered agent's signature)

11. Attached is a certificate of existence duly authenticated, not more than 90 days prior to delivery of this application to the Department of State, by the Secretary of State or other official having custody of corporate records in the jurisdiction under the law of which it is incorporated.

12. Names and business addresses of officers and/or directors:

**A. DIRECTORS**

Chairman: Rodney P. Burwell

Address: 7901 Xerxes Avenue South, Suite 201, Minneapolis, MN 55431

Vice Chairman:

Address:

Director: Rodney P. Burwell

Address: 7901 Xerxes Avenue South, Suite 201, Minneapolis, MN 55431

Director: Steve A. Vanderboom

Address: 1700 Elm Street, Suite 200, Minneapolis, MN 55414

**B. OFFICERS**

President: Steve A. Vanderboom

Address: 1700 Elm Street, Suite 200, Minneapolis, MN 55414

Vice President:

Address:

Secretary: Janet R. Leuman

Address: 7901 Xerxes Avenue South, Suite 201, Minneapolis, MN 55431

Treasurer: Janet R. Leuman

Address: 7901 Xerxes Avenue South, Suite 201, Minneapolis, MN 55431

**NOTE:** If necessary, you may attach an addendum to the application listing additional officers and/or directors.

13. Janet R. Leuman
(Signature of Director or Officer listed in number 12 of the application)

14. Janet R. Leuman, Secretary and Treasurer
(Typed or printed name and capacity of person signing application)

# State of Minnesota

# SECRETARY OF STATE

Certificate of Good Standing

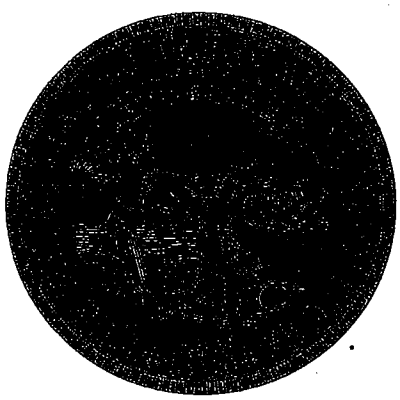
I, Mark Ritchie, Secretary of State of Minnesota, do certify that: The corporation listed below is a corporation formed under the laws of Minnesota; that the corporation was formed by the filing of Articles of Incorporation with the Office of the Secretary of State on the date listed below; that the corporation is governed by the chapter of Minnesota Statutes listed below; and that this corporation is authorized to do business as a corporation at the time this certificate is issued.

Name: Pace Analytical Services, Inc.

Date Formed: 10/16/1995

Chapter Governed By: 302A

This certificate has been issued on 07/29/08.



Mark Ritchie

Secretary of State.

**K. Service contract that has been cancelled due to failure to provide accurate testing results**

Pace has not had a cancelled contract due to inaccurate testing results in the past 5 years.

The remainder of this page is left intentionally blank.

**L. Subcontractor Information for this bid.**

The remainder of this page is left intentionally blank.



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E82924

BCS LABORATORIES, INC. - GAINESVILLE
4609 NW 6TH STREET, BUILDING A
GAINESVILLE, FL 32609

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, NON-POTABLE WATER - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - MICROBIOLOGY

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E82924-38-07/01/2024
Supersedes all previously issued certificates

# *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E82924-38, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E82924** **EPA Lab Code:** **FL01147** **(352) 377-9272**

**E82924**
**BCS Laboratories, Inc. - Gainesville**
**4609 NW 6th Street, Building A**
**Gainesville, FL 32609**

**Matrix:** **Drinking Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1607 | Coliphage Assay | BCS SOP V-10 (2-step) | 60002291 | Microbiology | 10/29/2012 |
| 1607 | Coliphage Assay | BCS SOP V-10 (single-agar-layer) | 60002279 | Microbiology | 10/29/2012 |
| 2510 | Cryptosporidium | EPA 1623.1 | 10236621 | Microbiology | 5/18/2015 |
| 2515 | Enteric viruses | EPA/600/R-95/178, s. VIII | 10294550 | Microbiology | 7/1/2004 |
| 2525 | Escherichia coli | SM 9222 G | 20210199 | Microbiology | 2/1/2018 |
| 2525 | Escherichia coli | SM 9223 B (Colilert Quanti-Tray)-2016 | 20211647 | Microbiology | 1/9/2024 |
| 2545 | Giardia | EPA 1623.1 | 10236621 | Microbiology | 5/18/2015 |
| 2555 | Heterotrophic plate count | SM 9215 B | 20179811 | Microbiology | 10/29/2012 |
| 2555 | Heterotrophic plate count | SM 9215 C | 20184445 | Microbiology | 10/29/2012 |
| 2500 | Total coliforms | SM 9222 B | 20203401 | Microbiology | 10/29/2012 |
| 2500 | Total coliforms | SM 9223 B /QUANTI-TRAY | 20211603 | Microbiology | 6/12/2023 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E82924-38, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E82924** **EPA Lab Code:** **FL01147** **(352) 377-9272**

**E82924**
**BCS Laboratories, Inc. - Gainesville**
**4609 NW 6th Street, Building A**
**Gainesville, FL 32609**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 2510 | Cryptosporidium | EPA 1623.1 | 10236621 | Microbiology | 5/18/2015 |
| 2515 | Enteric viruses | ASTM D4994-89/SM 9510 G | 30037208 | Microbiology | 7/1/2004 |
| 2515 | Enteric viruses | EPA/600/R-95/178, s. VIII | 10294550 | Microbiology | 7/19/2006 |
| 2525 | Escherichia coli | SM 9223 B (Colilert Quanti-Tray)-2016 | 20211647 | Microbiology | 1/9/2024 |
| 2530 | Fecal coliforms | COLILERT®-18 (Fecal Coliforms) | 60002688 | Microbiology | 5/18/2015 |
| 2545 | Giardia | EPA 1623.1 | 10236621 | Microbiology | 5/18/2015 |
| 2550 | Helminth ova | EPA 600/1-87-014 | 10289006 | Microbiology | 2/15/2007 |
| 2555 | Heterotrophic plate count | SM 9215 B | 20179811 | Microbiology | 10/29/2012 |
| 2555 | Heterotrophic plate count | SM 9215 C | 20184445 | Microbiology | 10/29/2012 |
| 2500 | Total coliforms | SM 9223 B /QUANTI-TRAY | 20211603 | Microbiology | 7/1/2019 |

## *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E82924-38, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E82924** **EPA Lab Code:** **FL01147** **(352) 377-9272**

**E82924**
**BCS Laboratories, Inc. - Gainesville**
**4609 NW 6th Street, Building A**
**Gainesville, FL 32609**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 1607 | Coliphage Assay | BCS SOP V-11 (single-agar-layer) | 60002315 | Microbiology | 10/29/2012 |
| 2515 | Enteric viruses | ASTM D4994-89 | 30020009 | Microbiology | 7/19/2006 |
| 2530 | Fecal coliforms | EPA 1681 | 10262803 | Microbiology | 3/15/2009 |
| 2530 | Fecal coliforms | SM 9221 E | 20227218 | Microbiology | 3/15/2009 |
| 2550 | Helminth ova | EPA 600/1-87-014 | 10289006 | Microbiology | 2/15/2007 |
| 2550 | Helminth ova | EPA/625/R-92/013 Appendix I | 10294663 | Microbiology | 4/13/2011 |
| 2555 | Heterotrophic plate count | BCS SOP M-7 (spread-plate) | 60002257 | Microbiology | 10/29/2012 |
| 2570 | Salmonella | EPA 1682 | 10263000 | Microbiology | 10/29/2012 |

## Quality Manual Key Standards Cross Reference Table

| TNI 2016 Standard Citation | Standard Description | Location |
|---|---|---|
| 4.2.8.3 a) | Document Title | Quality Manual Cover page 1 |
| 4.2.8.3 b) | Lab Name & Address | Quality Manual Cover page 1 of 97 |
| 4.2.8.3 c) | Lab Name, Address, responsible individual & phone | Quality Manual Cover page 1 of 97 |
| 4.2.8.3 d) | All organization units covered and effective date | Organization and Management Structure 13 and Quality Manual Cover page 1 of 97 |
| 4.2.8.3 e) | Identification of Laboratories key signatories | Quality Manual Department Approvals page 4 of 97 |
| 4.2.8.3 f) | Signed and dated concurrence… | Quality Manual Department Approvals page 4 of 97 |
| 4.2.8.3 g) | Objectives of the Quality Management System and contain or reference the Lab's Policies and Procedures | Quality Manual Quality Management Objectives page 10 of 97 |
| 4.2.8.3 h) | Lab's Quality Policy statement | Quality Manual Policy Statement page 10 of 97 |
| 4.2.3.8 i) | Table of Contents | Quality Manual Table of Contents page 5 of 97 |
| 4.2.8.4 a) | All Maintenance, calibration and verification procedures | Quality Manual 24.0 page 64 of 97 more calibration and verification procedures are in the Microbiology Guide Document |
| 4.2.8.4 b) | Equipment, Reference materials & Support Equipment used | Quality Manual 24.0 page 64 of 97 more calibration and verification procedures are in the Microbiology Guide Document |
| 4.2.8.4 c) | Verifications practices such as inter laboratory comparisons, PT's | Quality Manual 25.0 Measurement Traceability page 69 of 97 |
| 4.2.8.4 d) | Reporting procedures | Quality Manual 29.0 Reporting Results page 83 of 97 |
| 4.2.8.4 e) | Organization Structure | Quality Manual 4.0 Company Organization page 18 through 21 of 97 |
| 4.2.8.4 f) | Record retention procedures and document control procedures | Quality Manual 16.0 Control of Records page 44 of 97 and Quality Manual 6.0 Document Management page 24 of 97 |
| 4.2.8.4 g) | Job descriptions of key staff and other lab staff | Quality Manual BCS Lab Organization page 16 of 97 and Personnel Section 21.0 Page 54 of 97 |
| 4.2.8.4 h) | Procedures for traceability of measurements | Quality Manual 25.0 Measurement Traceability page 69 of 97 |
| 4.2.8.4 i) | A complete list of methods used by lab | Quality Manual Method List page 11 & 12 of 97 |
| 4.2.8.4 j) | Procedures for new work review | Quality Manual 7.0 Review of Requests, Tenders and Contracts page 28 & 29 of 97 |
| 4.2.8.4 k) | Sample handling procedures | Quality Manual 26.0 Field Sampling page 72 of 97 |
| 4.2.8.4 m) | Procedures for feedback and CA whenever test discrepancies are depicted or there are deviations from lab Policies and Procedures | Quality Manual 14.0 Corrective Action page 38 of 97 |
| 4.2.8.4 n) | Policy for planned departures from lab policies and procedures | Quality Manual 14.8 Corr. Action, Planned Departure from Policies, Procedures, or Standards page 40 of 97 |
| 4.2.8.4 o) | Procedures for confidentiality | Quality Manual 5.0 Quality System page 22 of 97 |
| 4.2.8.4 p) | Procedures for audits and data review | Quality Manual 17.1 Internal Audits page 47 of 97 and Quality Manual 29.0 Reporting Results page 83 of 97 |
| 4.2.8.4 q) | Procedures to ensure staff are qualified, trained and authorized to conduct tests | Quality Manual 23.0 Test Methods & Method Validation page 59 of 97 |
| 4.2.8.4 r) | Policy for electronic signatures | Quality Manual 29.0 Reporting Results page 83 of 97 |

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4609 NW 6th Street, Bldg. A, Gainesville, Florida 32609
Tel. (352) 377-9272, Fax. (352) 377-5630
www.microbioservices.com
FL DOH Laboratory #E82924, EPA# FL01147
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ANAB ACCREDITED ISO/IEC 17043 PROFICIENCY TESTING PROVIDER

# WI State Laboratory of Hygiene
# *Cryptosporidium* Proficiency Testing Program

06/05/2024

Ms. Bonnie Mull
4609 NW 6th Street
Suite A
Gainesville, FL 32609

**Report #: FL01147-1623.1-202404-01**

Dear Ms. Mull:

Thank you for participating in the April 2024 round of the *Cryptosporidium* Proficiency Testing (PT) Program. You are receiving two reports for this round. This first report is specific to your laboratory's performance using Method 1623.1 and includes this letter, a table showing your laboratory's recovery values, and a chart illustrating your laboratory's mean recovery by PT round. The second report, also included in this correspondence, includes the PT General Summary Report.

The acceptable mean percent recovery range for the April 2024 round was 45.2 - 88.2%. **Your laboratory's mean recovery percentage falls within this acceptable range and therefore, your laboratory has passed the April 2024 PT event.**

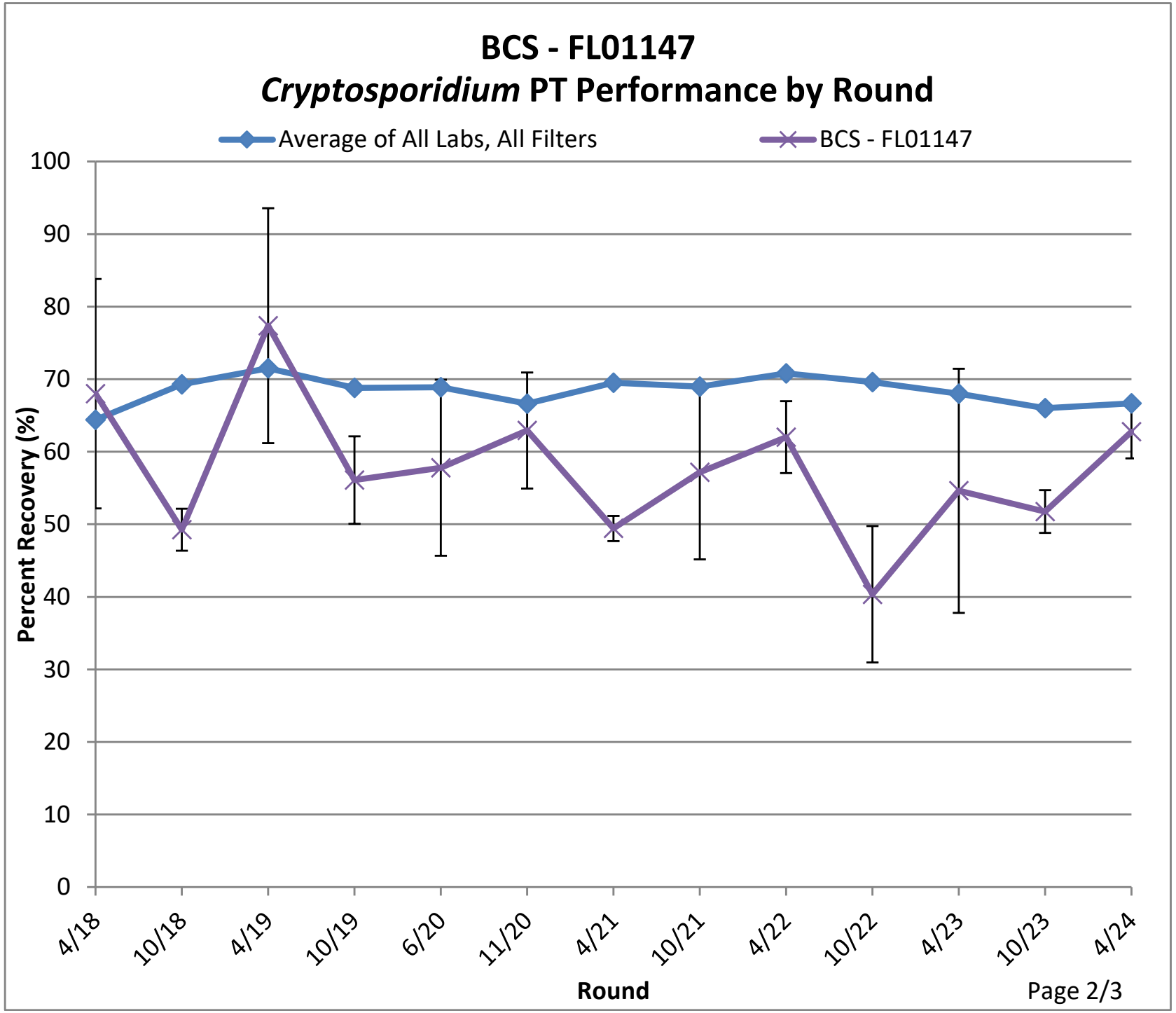
Your proficiency testing results are confidential. They will not be released without written authorization from your laboratory. The general summary of participant performance may be disclosed however, any unique identifiers will be removed.

Please note that reports are not to be used as an endorsement of your laboratory by the University of Wisconsin or the Wisconsin State Laboratory of Hygiene.

If you have any questions, please contact Marty Collins at the PT program email: CryptoPT@slh.wisc.edu or (608) 224-6260.

Sincerely,

Marty Collins
WSLH *Cryptosporidium* PT Program Coordinator


BCS - FL01147
Cryptosporidium PT Performance by Round
Average of All Labs, All Filters
BCS - FL01147
Percent Recovery (%)
100
90
80
70
60
50
40
30
20
10
0
4/18
10/18
4/19
10/19
6/20
11/20
4/21
10/21
4/22
10/22
4/23
10/23
4/24
Round

**WSLH Cryptosporidium Proficiency Testing Laboratory Results Summary**
**Round April 2024**

**Lab Name:** BCS
**Lab ID:** FL01147
**Method/Filter:** 1623.1 Envirochek HV
**Contact Name:** Ms. Bonnie Mull
**Address:** 4609 NW 6th Street, Suite A
Gainesville, FL 32609

## April 2024 Cryptosporidium PT Score: Pass

| | *Cryptosporidium* | | | | *Giardia* | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Oocysts Reported** | **Oocysts Spiked** | **% Recovered** | | **Cysts Reported** | **Cysts Spiked** | **% Recovered** |
| 202404-052 | 58 | 89.4 | 64.9 | | 93 | 170.2 | 54.6 |
| 202404-053 | 79 | 135.0 | 58.5 | | 45 | 105.4 | 42.7 |
| 202404-054 | 105 | 162.0 | 64.8 | | 50 | 105.4 | 47.4 |

| **BCS** | ***Cryptosporidium*** | ***Giardia*** |
|---|---|---|
| Mean % Recovery | 62.7 | 48.3 |
| SD of % Recovery | 3.7 | 6.0 |

| ***Cryptosporidium*** | **Mean** | **Median** | **Standard Deviation** |
|---|---|---|---|
| All Approved Labs | 66.7 | 67.8 | 10.8 |
| Acceptable Range | 45.2 – 88.2 | | |

**WI State Laboratory of Hygiene**
***Cryptosporidium* Proficiency Testing Program**

11/20/2024

Ms. Bonnie Mull
4609 NW 6th Street
Suite A
Gainesville, FL 32609

**Report #: FL01147-1623.1-202410-01**

Dear Ms. Mull:

Thank you for participating in the October 2024 round of the *Cryptosporidium* Proficiency Testing (PT) Program. You are receiving two reports for this round. This first report is specific to your laboratory's performance using Method 1623.1 and includes this letter, a table showing your laboratory's recovery values, and a chart illustrating your laboratory's mean recovery by PT round. The second report, also included in this correspondence, includes the PT General Summary Report.

The acceptable mean percent recovery range for the October 2024 round was 43.8 - 86.1%. **Your laboratory's mean recovery percentage falls within this acceptable range and therefore, your laboratory has passed the October 2024 PT event.**

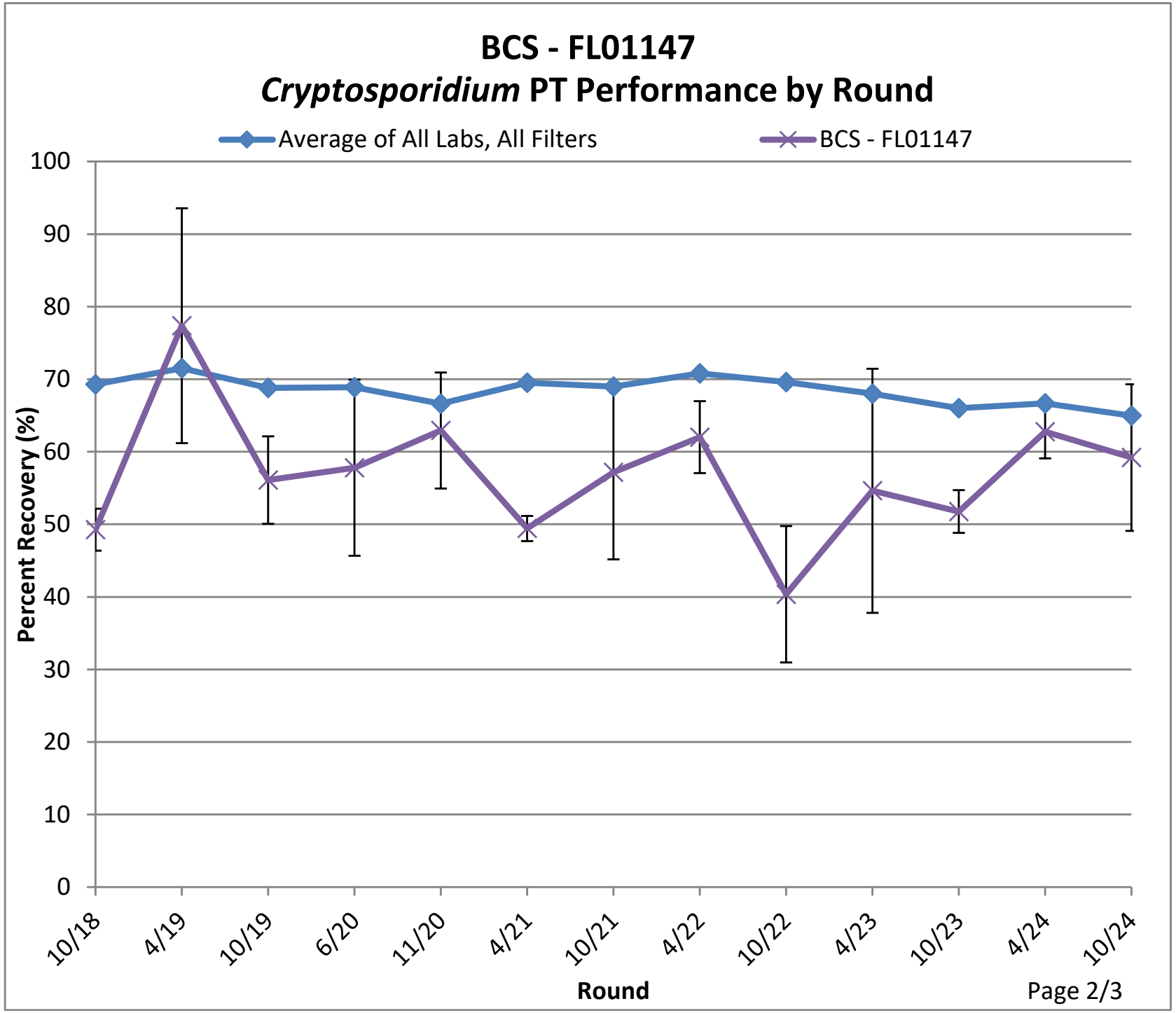
Your proficiency testing results are confidential. They will not be released without written authorization from your laboratory. The general summary of participant performance may be disclosed however, any unique identifiers will be removed.

Please note that reports are not to be used as an endorsement of your laboratory by the University of Wisconsin or the Wisconsin State Laboratory of Hygiene.

If you have any questions, please contact Marty Collins at the PT program email: CryptoPT@slh.wisc.edu or (608) 224-6260.

Sincerely,

Marty Collins
WSLH *Cryptosporidium* PT Program Coordinator


BCS - FL01147
Cryptosporidium PT Performance by Round
Average of All Labs, All Filters
BCS - FL01147
Percent Recovery (%)
100
90
80
70
60
50
40
30
20
10
0
10/18
4/19
10/19
6/20
11/20
4/21
10/21
4/22
10/22
4/23
10/23
4/24
10/24
Round

**WSLH Cryptosporidium Proficiency Testing Laboratory Results Summary**
**Round October 2024**

**Lab Name:** BCS
**Lab ID:** FL01147
**Method/Filter:** 1623.1 Envirochek HV
**Contact Name:** Ms. Bonnie Mull
**Address:** 4609 NW 6th Street, Suite A
Gainesville, FL 32609

## October 2024 Cryptosporidium PT Score: Pass

| | *Cryptosporidium* | | | | *Giardia* | | |
|---|---|---|---|---|---|---|---|
| **Sample ID** | **Oocysts Reported** | **Oocysts Spiked** | **% Recovered** | | **Cysts Reported** | **Cysts Spiked** | **% Recovered** |
| 202410-043 | 87 | 134.1 | 64.9 | | 88 | 170.3 | 51.7 |
| 202410-044 | 50 | 76.8 | 65.1 | | 73 | 170.3 | 42.9 |
| 202410-045 | 75 | 157.8 | 47.5 | | 64 | 119.9 | 53.4 |

| **BCS** | ***Cryptosporidium*** | ***Giardia*** |
|---|---|---|
| Mean % Recovery | 59.2 | 49.3 |
| SD of % Recovery | 10.1 | 5.6 |

| ***Cryptosporidium*** | **Mean** | **Median** | **Standard Deviation** |
|---|---|---|---|
| All Approved Labs | 65.0 | 63.5 | 10.6 |
| Acceptable Range | 43.8 – 86.1 | | |

NATIONAL ENVIRONMENTAL LABORATORY
ACCREDITATION PROGRAM
ON-SITE LABORATORY ASSESSMENT REPORT
Bureau of Public Health Laboratories
Florida Department of Health

| | |
|---|---|
| Laboratory: | BCS Laboratories, Inc. - Gainesville |
| Physical Address: | 4609 NW Sixth Street, Bldg. A<br>Gainesville, FL 32609 |
| I. D. Number: | E82924 |
| Date of Assessment: | April 26-28, 2023 |
| Categories Assessed: | DRINKING WATER Microbiology; NON-POTABLE WATER Microbiology; SOLID / CHEMICAL MATERIALS Microbiology |
| Assessor: | Carl C. Kircher, Ph.D. |

I. INTRODUCTION:

This laboratory was inspected on-site to verify compliance with Florida Administrative Code (FAC) Rule 64E-1, Certification of Environmental Testing Laboratories, which now incorporates by reference the 2016 standards adopted at the National Environmental Laboratory Accreditation Conference (NELAC).

II. DEFICIENCIES:

See the accompanying DH Form 1137. Proposed corrective action plans, estimated completion dates, and original signatures & dates from responsible laboratory officials must be returned on this form to this office within 30 days of receipt of this report.

III. LABORATORY TECHNICAL DIRECTORS (Name & Title):

| | |
|---|---|
| George Lukasik, Ph.D. | Technical Director |
| Bonnie Mull | QA Officer and Operations Manager |

IV. COMMENTS:

1. This on-site assessment was the regular biennial on-site assessment, but it was performed by Florida Department of Health personnel after the appointed third-party assessor from the selected contract Provider became unable to perform this function. This assessment included the U.S. Environmental Protection Agency's (EPA) Cryptosporidium and Giardia auditing activities that were specified for the Long-Term Stage 2 Enhanced Surface Water Treatment Rule requirements, which included analysis of a supplied audit sample that had an expiration date. The next regular assessment will be due on or before April 26, 2025.

2. The Quality Manual reviewed during this assessment was signed by the current laboratory Technical Managers on 2/1/2019. This date is the Effective Date of the document.

3. The one non-conformity noted from the previous on-site assessment did not recur during this assessment.

4. The following personnel also participated in this on-site assessment: Kristin Baecher, Wei-yea Hsu, and Erika DePasquale.

5. At the time of this assessment, it was not known whether EPA is continuing the “internet analyst verification” portion of the audit. Otherwise, Dr. Lukasik, Kristin Baecher, and Erika DePasquale have met the qualifications and experience required to be considered “Principal Analysts” for the EPA Cryptosporidium and Giardia testing.

6. At the time of this on-site assessment, the laboratory requested relinquishment of certification for the following analytes and test methods, effective on April 28, 2023:

| ANALYTES | TEST METHODS |
|---|---|
| DRINKING WATER MATRIX | |
| Enterococci | EPA 1600 |
| Escherichia coli | BCS SOP B-2 EPA1603 |
| SOLID AND CHEMICAL MATERIALS MATRIX | |
| Heterotrophic Plate Count | BCS SOP M-7 (MF) |
| Heterotrophic Plate Count | BCS SOP M-7 (pour-plate) |

The Florida Department of Health has made these relinquishments final with the issuance of this on-site assessment report. An updated Certificate and Analyte Sheet are included in this report.

7. The laboratory is currently not analyzing any Drinking Water samples under the Total Coliform Rule or for any program where the test results are qualitatively reported as “Present” or “Absent.” All sample analyses and proficiency testing are performed on a quantitative basis. As a result, the laboratory submitted an application and application fee during this on-site assessment to convert the following certifications:

| ANALYTES | TEST METHODS |
|---|---|
| DRINKING WATER MATRIX | |
| Total Coliforms | SM 9223 B / QUANTI-TRAY (replacing SM 9223 B) |
| Escherichia coli | SM 9223 B / QUANTI-TRAY (replacing SM 9223 B) |

Certification effective date will be no sooner than when the laboratory submits acceptable plans of correction to the non-conformances identified during this on-site assessment.

Unfortunately, there was no convenient way to document whether SM 9222 B or SM 9222 G in the Drinking Water matrix could be differentiated on a quantitative versus qualitative basis on the analyte sheet. Those certifications will remain as currently listed on the Analyte Sheet. It is noted in this report, and for proficiency testing purposes, that all membrane filter analyses for Total Coliform with m-Endo medium are reported numerically and quantitatively, along with numerical results for E. coli in the Nutrient Agar + MUG medium.

8. The laboratory is not analyzing any samples or reporting data to the Florida Department of Environmental Protection for compliance with the Clean Water Act. Consequently, it is not seeking any certifications for the year-end designations to its Standard Methods certifications at this time.

9. Many of the laboratory’s test method Standard Operating Procedures (SOPs) specify the analysis of sample matrix spikes from each sample source initially and at least every 20$^{th}$ sample submitted thereafter. These analyses are currently not being performed. The laboratory should revise the current SOPs in case, during its management review of the quality system, unless the reference methods specify otherwise, it is determined that the matrix spike quality control practice is not useful or beneficial for ensuring data quality.

10. The laboratory’s submitted counts for the EPA 1623.1 audit sample were 87 Cryptosporidium oocysts and 76 Giardia cysts. The cytometry enumerated values for Lot #230403 supplied by the Wisconsin State Laboratory of Hygiene were 160.3 oocysts and 160.4 cysts, respectively, with a relative standard deviation of 0.8% in each

case. As a result, the laboratory's recoveries were 54.2% for Cryptosporidium and 47.4% for Giardia. These values are within the current BCS Laboratories' control chart limits for on-going precision and recovery (OPR), and these values are above the 33% percent recovery limits that US EPA expects for the analyses of Cryptosporidium and Giardia under the Safe Drinking Water Act.

11. The Wisconsin State Laboratory of Hygiene also performed an independent counting of the Cryptosporidium oocysts and Giardia cysts on the OPR slide from the May 1, 2023 weekly OPR analysis, which was submitted by the laboratory (Slide Number "BCS OPR 5.1.23"). Wisconsin's counts were 53.0 oocysts +/- 1.4 standard deviation, and 43.5 cysts +/- 0.7 standard deviation. The counts from BCS Laboratories, Inc. were 52 and 42, respectively. The results thus agree within the BCS control charts for Relative Percent Difference in each case, for verified counts.

## V. CONCLUSIONS:

The laboratory's personnel, procedures, equipment, facilities, and quality system are in compliance with the requirements of FAC Rule 64E-1 and the 2016 NELAC Standards. When the deficiencies listed in Form DH1137 as referenced in Section II are corrected, certification and data acceptance are recommended for Fields of Accreditation in the following categories:

DRINKING WATER Microbiology, Primary Inorganic Contaminants, Secondary Inorganic Contaminants; NON-POTABLE WATER Microbiology, General Chemistry; SOLID / CHEMICAL MATERIALS General Chemistry

The above categories are referenced in Rule 64E-1.007, Florida Administrative Code.

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| BCS Laboratories, Inc. – Gainesville | E82924 | April 26-28, 2023 | Carl C. Kircher, Ph.D. |

PARAMETERS SURVEYED:

DRINKING WATER Microbiology; NON-POTABLE WATER Microbiology; SOLID / CHEMICAL MATERIALS Microbiology

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 1. | TNI V1M5, 1.7.3.6(b) – Target organism identity has not been verified as specified in the test method for Microbiology (SM9222B membrane filter colonies have not been confirmed as Total Coliforms with the selective BGLB medium, along with LTB). | *BGLB media will be used for confirmation of total coliforms. The SOP and bench sheet is corrected to reflect the use of BGLB.* | 06/09/2023 |
| 2. | NI V1M5, 1.7.3.2(b) – Method blanks for the membrane filtration procedure are not conducted as prescribed in the analytical method (distilled, de-ionized water is being used at the beginning and end of the membrane filtration series instead of the dilution rinse water specified in SM9222B and SM9050C). | *Dilution Rinse water will be used for all Method Blanks in future MF assays as per SM. The SOP and bench sheet is corrected to reflect the use of dilution water instead of sterile de-ionized water.* | 06/09/2023 |
| 3. | TNI V1M2, 5.5.13.1(e) – If quantitative results are dependent on their accuracy, mechanical volumetric measuring devices are not verified prior to first use and on a quarterly basis, at volumes bracketing the range of use and at the midpoint of the volumes used by the device (calibrations were missing for some quarters in year-2022 for pipettes #P-53 and P-54). | *We will ensure that all pipettes are quarterly calibrated so that no ones are missed. The QA officer will closely monitor that quarterly validations are performed and recorded in LIMS.* | 06/09/2023 |
| 4. | TNI V1M5, 1.7.3.1(d)(iv) – The laboratory does not conduct the Bacteriological Water Quality test on its reagent water used for Microbiology annually (silica content is not on file in order to apply an exemption for meeting the ASTM requirements for Type II water quality). | *Annually the reagent water will be submitted to a certified vendor for silica analysis. We will ensure that ASTM requirements for type II water are met annually* | 06/09/2023 |

SIGNATURE: George Lukasik
Responsible Official

06/07/2023
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| BCS Laboratories, Inc. – Gainesville | E82924 | April 26-28, 2023 | Carl C. Kircher, Ph.D. |

PARAMETERS SURVEYED:

DRINKING WATER Microbiology; NON-POTABLE WATER Microbiology; SOLID / CHEMICAL MATERIALS Microbiology

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 5. | TNI V1M2, 4.2.8.5(f)(x) – In-house test method manuals do not include or reference all the Reagents and Standards used in the laboratory, where applicable (EPA 1623.1 SOP needs to be updated to include the combined commercial TE buffer (pH 8 Tris and EDTA) that is currently being used as the eluent solution). | *The SOP is updated to include the option to use combined commercial TE buffer.* | 06/09/2023 |
| 6. | TNI V1M2, 5.8.5(a) – The laboratory does not have a documented system for uniquely identifying items to be tested, such that there is no confusion regarding the identity of such items at any time (the current 7-digit numerical system is not documented anywhere within the laboratory's quality system). | *Additional text has been added to the Quality Policy Manual detailing the uniquely identifying numbering system that BCS laboratory uses.* | 06/09/2023 |
| 7. | TNI V1M2, 5.6.2.1 – The laboratory's overall program of calibration and/or verification and validation of equipment is not designed and operated such that laboratory measurements are traceable to national standards of measurement (no certificate on file to indicate traceability of the stage micrometer used to calibrate the EPA 1623.1 microscope ocular measurements to a national metrology institute standard). | *At the time of equipment calibration by external service provider, the QA officer will request certificates for equipment used by the vendor. The certificates will be scanned and maintained on file* | 06/09/2023 |
| 8. | TNI V1M2, 5.6.4.2(c) – The laboratory does not maintain records for preparation of all reagents and standards used in the laboratory (no preparation log entries found for the Famp and CN13 host bacteria used for the Coliphage virus assays). | *Entries for bacteriological cultures will be made at time of use and verified by QA officer for accuracy. audits of the bench sheets and checks of entries will be performed to ensure compliance. all entries for culture use will be clearly recorded on the log form.* | 06/09/2023 |

SIGNATURE: George Lukasik
Responsible Official

06/07/2023
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| BCS Laboratories, Inc. – Gainesville | E82924 | April 26-28, 2023 | Carl C. Kircher, Ph.D. |

PARAMETERS SURVEYED:

DRINKING WATER Microbiology; NON-POTABLE WATER Microbiology; SOLID / CHEMICAL MATERIALS Microbiology

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 9. | TNI V1M5, 1.7.3.3 – If the test method specifies counts (cfu/100 mL or MPN/100 mL), the laboratory does not perform duplicate counts on at least one positive sample per month for each method, with counts within 10% RPD to be acceptable (duplicates or replicates have not been analyzed for SM9221E). | *Laboratory will ensure that duplicate samples that yield numerical values are processed when available . Should a clients provide sufficient sample volume to perform duplicate analysis it will be conducted. This will be recorded in a monthly log and tracked* | 06/09/2023 |
| 10. | TNI V1M2, 5.6.4.2(c) – Laboratory records on reagent and standard preparation do not always include expiration dates (poliovirus, MS2, and phi-X 174 enteric virus culture reconstitutions). | *Expiration dates have been assigned to all current frozen microbial cultures. All future prepared cultures will have dates assigned at time of production.* | 06/09/2023 |
| 11. | TNI V1M2, 4.2.8.5(f) – The laboratory does not clearly indicate in its methods manual any modifications made to the referenced test method or describe any changes or clarifications where the referenced test method is ambiguous or provides insufficient detail (methods EPA 600/1-78-014 and EPA/625/R-92/013 Appendix I are analyzed together as one test method for Helminth Ova, but the reagents used only follow the ones listed in the EPA/625/R-92/013 Appendix I reference method). | *The SOP has been updated to include additional detailed language and reasoning for the the use of modification described in newest EPA publication/method* | 06/09/2023 |
| 12. | TNI V1M2, 4.6.4 – The laboratory does not maintain a list of approved suppliers of critical consumables, supplies, and services that affect the quality of environmental testing (e.g., Clear Field Optics not included on the approved vendor list (note: the laboratory updated this list during the on-site assessment after the non-conformance was pointed out)). | *The approved vendor list has been updated and will be reviewed annually.* | 06/09/2023 |

SIGNATURE: George Lukasik
Responsible Official

06/07/2023
DATE

# STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

PLEASE FOLLOW THESE INSTRUCTIONS:

In completing the laboratory's section of this form, you should closely observe the following:

1. Review the instructions.

2. Complete the form legibly.

3. Each deficiency is consecutively numbered with an I.D. Prefix Tag. Your plan of correction should repeat these numbers for identification of each deficiency in the I.D. Prefix Tag Column.

4. Reply to each deficiency cited by reporting the specific action you have taken to effect compliance and enter the corrective action below the deficiency. Use attachments if necessary. Enter the date it was accomplished in the Completion Date Column (4).

5. For any item which has not yet been corrected, report the specific action you intend to take to correct the deficiency. Enter the anticipated date of completion in the Completion Date Column (4).

6. You must present a realistic plan with reasonable time frames based upon the extent and nature of the deficiencies cited.

7. There should be no statements which can be construed as defaming some other party, such as another institution, employees of the institution, etc.

8. You should frame your plan of correction in language that can be readily understood by the lay person.

9. If you do not concur with any of the deficiencies stated, your rationale to support this position must be indicated on the form.

10. The form must be completed, signed and dated by a responsible official.

11. The original must be returned within thirty (30) calendar days. Retain copy for your files.

12. Failure to submit a timely reply will leave the Bureau of Public Health Laboratories no alternative except to submit a finding of non-compliance and deny or revoke certification.

## EVALUATION OF ASSESSORS

*To improve the quality and receptiveness of our service to you and to maintain the quality of the laboratory inspection process, we request you complete the following evaluation. Since your comments are very important, please use the reverse side of this form to discuss issues not addressed in the items listed below:*

Please return this evaluation to:

Susanne Crowe, MHA
Laboratory Director, Bureau of Public Health Laboratories - Jacksonville
Florida Department of Health
P. O. Box 210
Jacksonville, FL 32231

Assessor's name: Carl C. Kircher Assessment dates: April 26-28, 2023

Time Assessor Arrived: 11:00 // LEFT: 16:00

| | ITEM | YES | NO | NEUTRAL |
|---|---|---|---|---|
| 1. | The assessor contacted you in advance to arrange for your assessment and answered your questions concerning needed documentation, time for preparation, and other concerns. | x | | |
| 2. | The assessor arrived on time at the agreed upon time and place. | x | | |
| 3. | The goals and objectives of the assessment were clearly delineated in the initial meeting. | x | | |
| 4. | The assessor's dress and appearance were professional and business like. | x | | |
| 5. | The assessor's questions and comments were pertinent to laboratory operations and inspection. | x | | |
| 6. | The assessor interacted with your staff in a courteous, helpful, professional manner. | x | | |
| 7. | The assessment findings were reflective of your laboratory's normal operation. | x | | |
| 8. | The assessment results were summarized in an exit interview following the assessment. | x | | |
| 9. | Correcting the deficiencies noted in the assessment results will improve your laboratory's operations and data quality. | x | | |
| 10. | The assessor's comments have been/will be helpful to your laboratory staff and laboratory operations. | x | | |
| 11. | The laboratory certification program is beneficial for your laboratory's analytical performance and professional marketability. | x | | |

OPTIONAL - LAB NAME: BCS Laboratories

May 12, 2023
I. D. #E82924

BCS Laboratories, Inc. - Gainesville
4609 NW Sixth Street, Bldg. A
Gainesville, FL 32609

Dear Laboratory Director:

Attached is a copy of the April 26-28, 2023 On-Site Assessment Report, and the Statement of Deficiencies and Plan of Correction, DH Form 1137.

Please complete the Statement of Deficiencies and Plan of Correction per instructions on the form, sign and date, and return the original to this office along with any additional documentation required by this report within thirty (30) days of receipt.

A primary function of this agency is to assist facilities in maintaining standards consistent with good laboratory practice through compliance with minimum standards. If you have questions as to what is necessary to establish compliance with the rules for laboratory certification or if this agency may be of assistance in meeting these requirements, please feel free to call me at (904) 791-1574.

Sincerely,

Carl C. Kircher

Carl C. Kircher, Ph.D.
Chemist III
Environmental Laboratory Certification Program

CCK/nc

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**
**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| BCS Laboratories, Inc. | E82924 | Remote assessment 2/24, 2/25, 3/1, 3/2 and 3/4 and 3/5 | Matthew Sica |
| PARAMETERS SURVEYED: | Drinking Water-Microbiology; Non-Potable Water-Microbiology; Solid and Chemical Materials - Microbiology | | |

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 1 | TNI EL-V1M2-2016-Rev2.1 4.2.8.5 requires: "Laboratories shall maintain SOPs that accurately reflect all phases of current laboratory activities, such as assessing data integrity, corrective actions, handling customer complaints, and all methods.<br><br>During the witnessing it was observed and reaffirmed by the analyst that a pipette was used to resuspend without vortexing for when pellet volumes are equal to or <0.5 ml. The SOP (16.6) does not address this practice and only references vortexing. Section 16.6 of the SOP states, "Vortex the tube until the pellet is re-suspended and record the re-suspended pellet volume" | CA: SOP has been updated to include pellet resuspension with a pipette as an acceptable option. CA with evidence has been submitted to ANAB, available upon request. | 3/23/21 |

SIGNATURE: Bonnie Mull
Responsible Official
(Technical Director, QA Officer, or Manager)

3/23/21
DATE

## I. Laboratory Description

Founded in 2000, Biological Consulting Services of North Florida, Inc. (BCS Laboratories) is an established microbiological research and testing facility that incorporates a multidisciplinary team of scientists. BCS Laboratories is a full-scale 8,600 square foot laboratory dedicated to the advanced microbiological testing of environmental samples and client devices and processes.

BCS Laboratories is an ISO17025:2017 accredited facility and is also accredited by the State of Florida Department of Health as per The National Environmental Laboratory Accreditation Conference (NELAC / NELAP) and The NELAC Institute (TNI). BCS Laboratories is a member of the US EPA Environmental Response Laboratory Network (ERLN). Additionally, we are a USDA approved facility for the analysis of pathogens in soil (USDA Facility ID 2949). BCS holds permit P526 for the receipt and analysis of foreign soil and biosolids samples for pathogens (Animal Health and Plant Inspection Service Permit P526P-13-01699). We also hold NELAP accreditations in Louisiana, Pennsylvania, Puerto Rico, Texas, and Virginia.

BCS Laboratories provides routine analysis to numerous private, state and government agencies, and universities. Our staff has closely collaborated with various state and government agencies on pathogen detection and environmental pollution and remediation projects. These agencies include the CDC, EPA, US Department of Agriculture, US Department of Energy, US Geological Survey, and the National Oceanic and Atmospheric Administration (NOAA).

As part of BCS Laboratory's mission to continuously improve and excel, we regularly increase our accreditations and abide by a higher set of standards in order to provide fully defensible analytical data. BCS Laboratories has been accredited by NELAP for the detection and enumeration of *Cryptosporidium* and *Giardia* in Water by EPA Method 1623/ 1623.1 since 2004. We gained ISO17025:2005 accreditation in March 2015.

## II. Laboratory Services

BCS offers a wide range of services including, but not limited to: pathogen analysis, detection and enumeration, biosolids pathogen compliance, fecal contamination sourcing, and pathogen reduction and control. We are accredited for the analysis of various indicators and pathogens in water and solids. We regularly test environmental liquid and solid samples for enteric microorganisms that are fecally shed, including Heterotrophic Plate Count (HPC), total and fecal coliforms, Enterococci, fecal strep, *Salmonella*, *E. coli*, Helminth ova, parasites (*Cryptosporidium* and *Giardia*), and human enteric viruses.

BCS Laboratories complies with all scientific standards including those formulated for unique samples and analytical requirements. Our laboratory specializes in the testing of environmental

samples for pathogenic contaminants not tested by other laboratories, including human enteric viruses, protozoans, and helminths. Our services are tailored to provide customers with the most informative answers based on available methodologies.

BCS Laboratories provides clients with the information and supplies necessary to ensure samples are collected and transferred to our laboratory intact and well preserved as per method requirements. Upon analysis completion, a final report is generated and will be submitted electronically on BCS letterhead to the client. The report clearly includes all required information so that data is valid, complete, and comprehensible. Our staff is extremely knowledgeable about the science behind the methods and readily available to assist with any questions or concerns that may arise at any point in the process.

## III. Team Experience and Qualifications

BCS Laboratories currently has a staff of 11 and focuses its services on the analysis of enteric pathogens including viruses, parasites, helminth ova, bacteria and fungi associated with waterborne disease outbreaks. Six of our staff members hold a Master of Science degree or higher in biological fields. All staff have a minimum of 3 years' experience in the laboratory setting and extensive experience analyzing a variety of environmental samples.

BCS Laboratories participated in all phases of the LT2 cycle and has been assisting many utilities in achieving their analysis and reporting needs since 2008. BCS has four EPA approved primary analysts for the analysis of *Cryptosporidium* and *Giardia*. Analysts diligently perform all Quality Assurance and Quality Control (QA/QC) measures mandated by the EPA Long Term 2 Enhanced Surface Water Treatment Rule. Our laboratory currently processes an average of 20-30 *Cryptosporidium* and *Giardia* samples per week with a capacity for approximately 60 samples. All equipment and reagents are validated and backup instruments and supplies are on hand at all times. BCS is prepared to accept and process all samples for the proposed project. Samples will be analyzed by a member of BCS Laboratory's highly trained staff and will be reported in a timely manner as required. All method QC requirements and associated data are readily available upon clients' request.

## VI. Quality Assurance/Quality Control

BCS Laboratories has written Standard Operating Procedures (SOPs) in place for all analytical methods described in this proposal. Additionally, strict quality control guidelines are in place and adhered to. All QA/QC and operating procedures are outlined in the laboratory's QA/QC Manual, which is reviewed regularly and certified to be in compliance with all NELAP requirements.

BCS Laboratories will utilize a Laboratory Information Management System (LIMS) uniquely created for the lab for sample management and report generation. Samples are designated a unique identifier which is retained throughout the life of the sample in the lab. Upon receipt of a sample, the condition, including abnormalities or departures from normal or specified conditions are recorded. When suitability is in doubt, or when a sample does not conform to the description provided, or the environmental test required is not specified in sufficient detail, the client is consulted for further instructions before proceeding and such communication is documented.

For quality control purposes, positive and negative controls will be analyzed with each sample. Matrix spikes will be created and the percent recovery is compared to the acceptance criterion. If the percent recovery meets the acceptance criterion, system performance is acceptable and analysis is valid. If the percent recovery is outside the acceptable range for recoveries, a laboratory director must be immediately informed and the system performance must be evaluated. Should the system performance be deemed unacceptable, the client whose samples are run during the time of "out of range" must be notified and analysis must be repeated on fresh samples after the problem is identified and fixed. Problems are typically identified by evaluating each step of the analysis, media, reagents, and controls. Once the problem is identified and corrected, the IPR must be repeated and the results must be acceptable.

We look forward to serving your testing needs. Please see below references for similar contracts. Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

George Lukasik, Ph.D.
Laboratory Director

## Partial List of Clients for EPA 1623.1 Analysis

| Client Name | Contact(s) | # of 1623.1 Samples / Year | Client Start Date |
|---|---|---|---|
| Gainesville Regional Utilities | Jackie Dlhos<br>3901 SW 63 Boulevard<br>Gainesville FL 32608<br>dlhosjm@gru.com<br>352-393-6729 | **12** | **2000** |
| Autoridad del Canal de Panamá<br>Laboratorio del Calidad de Agua | Marisela Castillo<br>Edificio 20<br>Miraflores, PA<br>Teléfono 276-8730<br>MaCastillo@pancanal.com | **12** | **2000** |
| City of Bradenton WTP | Cynthia Martin<br>5600 Natalie Way<br>Bradenton FL 34203<br>Cynthia.Martin@cityofbradenton.com<br>941-708-6353 | **30** | **2007** |
| St John's County Utilities | Tony Cubbedge<br>1205 SR 16<br>St. Augustine, FL 32084<br>(904) 209-2620<br>twcubbedge@sjcfl.us | **15** | **2011** |
| Louisiana Department of Health<br>Office of Public Health Laboratory | Shengmei Jiang, Ph.D<br>1209 Leesville Ave.<br>Baton Rouge LA 70802<br>shengmei.jiang@la.gov<br>225-219-5203 | **150** | **2016** |


THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF BCS LABORATORIES

# Bonnie J. Mull, MPH

bonniejmull@gmail.com
Cell: 404-403-4844

PROFESSIONAL EXPERIENCE

**Laboratory Operations Manager/QA Officer** May 2016 to current
**Biological Consulting Services of North Central Florida, Inc**

- Coordinate and direct daily laboratory operations to deliver services accurately and efficiently to clients.
- Ensure compliance with NELAC in seven states and ISO17025 standards through routine QA monitoring and audits and perform corrective actions as needed.
- Provide strategic oversight for all laboratory operations including accounting, training personnel, bid preparation and submission, and ordering supplies.
- Communicate with clients on services including billing, sample submission, and results reporting.
- Oversaw methods optimization and successful completion of the WRF Project 4989 Pathogen Monitoring in Untreated Wastewater including developing a method for SARS-CoV-2.
- Analyze water for the presence of viable enteric viruses using mammalian cell culture and real-time RT-qPCR according to EPA method 1615.
- Certified EPA LT2 Protozoan Parasite Primary Analyst; analysis of water and waste-water samples for *Cryptosporidium* and *Giardia* using EPA method 1623.1.
- Perform sample processing, culture, microscopic identification, and PCR for *Naegleria fowleri.*
- Perform pathogen enumeration and confirmation procedures on biosolid and water samples using standard EPA methods.
- Assist as needed with daily procedures including preparation of media and solutions, recording data, QA/QC compliance, and hazardous waste management.

**Regional Environmental Epidemiologist** January 2014 to May 2016
**Food & Waterborne Disease Program, Bureau of Epidemiology**
**Florida Department of Health**

- Conducted food and waterborne outbreak investigations by assisting with onsite review of facilities and procedures; interviewed cases/controls, health-care providers, and others.
- Case reviewer for all Legionellosis cases and outbreaks for the state of Florida.
- Performed epidemiological and statistical analyses on data and interpreted results.
- Produced written and oral reports and presentations to policymakers, practitioners, and the public.
- Developed and disseminated health educational materials to county health departments for disease education for medical community partners and the consumer public.
- Entered and analyzed surveillance data using Florida's numerous surveillance system databases.
- Identified and proposed corrective action/interventions to prevent or alleviate public health problems.
- Developed and conducted trainings for county health department staff in the conduct of investigations.

**Environmental Microbiologist** August 2007 to January 2014
**Water, Sanitation and Hygiene Laboratory Team, Waterborne Disease Prevention Branch**
**Centers for Disease Control and Prevention, Atlanta, GA**

| | |
|---|---|
| February 2012- January 2014 | Associate Service Fellow, CDC/DHHS |
| October 2010- February 2012 | Contractor at IHRC, Inc. |
| August 2008- October 2010 | Contractor at Atlanta Research and Education Foundation |
| August 2007- August 2008 | APHL/CDC Emerging Infectious Disease Training Fellow |

- Assisted in creating environmental microbiology testing capacity and trained staff at the Haiti Laboratoire National de Sante Publique (LNSP) in Port-au-Prince, Haiti on fecal indicator and *Vibrio cholerae* methods.
- Managed environmental surveillance and large volume sampling method evaluation for *Vibrio cholerae* in Haitian water resources.
- Conducted an inventory involving knowledge and practices survey and microbial water quality testing of all private water kiosks in Port-au-Prince, Haiti.
- Developed a detection method for *Schistosoma mansoni* cercariae in large volume water samples including filtration and PCR assay then evaluated the method in Kenya.
- Analyzed water and other environmental samples for various state departments for pathogens and fecal indicator microbes during waterborne outbreak investigations.
- Trained state health department staff and international laboratorians on outbreak response water sampling, graduate students and guest faculty researchers on ultrafiltration methods, and provided oversight of an Emory graduate student thesis work.
- Developed an improved sample processing and molecular methods for detection of *Naegleria fowleri* in recreational freshwater and conducted an environmental surveillance study for *Naegleria fowleri* presence in Florida lakes in Orange County, Florida.
- Carried out disinfection efficiency experiments on enteroviruses, including mammalian cell propagation, cell infectivity assays, plate staining techniques, and plaque assay quantitation.
- Designed and conducted experiments to evaluate ultrafiltration methods recovery of viruses, bacteria and parasites including but not limited to norovirus, *E. coli* O157:H7, and *Cryptosporidium parvum* oocysts.
- Purified and enumerated *Cryptosporidium parvum* oocysts from experimentally infected calf feces utilizing density gradient centrifugation.
- Conducted chemical water quality tests including: total organic carbon, free chlorine and monochloramine presence, alkalinity, total hardness, and total suspended solids.

May 2005 to January 2006 /January 2006 to December 2006
**Lab Technician /Lab Manager**
Biological Consulting Services of North Florida, Inc

- Certified EPA LT2 Protozoan Parasite Primary Analyst; analysis of water and waste-water samples for *Cryptosporidium*, *Giardia*, and *E. coli* using EPA method 1623.
- Performed bacterial pathogen enumeration and confirmation procedures on solid and water samples using standard and molecular biology methods, including DNA typing, PCR, and probe hybridization.
- Analyzed water and solids for the presence of viable enteric viruses using mammalian cell culture and molecular detection methods per EPA ICR methodology.
- Completed general and specialized laboratory procedures with minimal supervision and worked as part of the team to attain the research and development goals.
- Engaged in general laboratory operation and daily procedures including preparation of time-sensitive media and solutions, recording data, ensuring lab compliance, and hazardous waste management.

EDUCATION

**Master in Public Health, Epidemiology concentration** **University of Florida, May 2007**

**Bachelor of Science, Microbiology and Cell Science** **University of Florida, May 2005**
Chemistry Minor Graduated Cum Laude

PUBLICATIONS


- Pecson, BM, et al. (2022). Distributions of waterborne pathogens in raw wastewater based on a 14-month, multi-site monitoring campaign: Water Research, Volume 213. 15 April 2022. https://doi.org/10.1016/j.watres.2022.118170.
- Pecson, BM, et al. (2021). Reproducibility and sensitivity of 36 methods to quantify the SARS-CoV-2 genetic signal in raw wastewater: findings from an interlaboratory methods evaluation in the U.S. Environmental Science: Water Research & Technology. https://doi.org/10.1039/D0EW00946F
- Fernandez, AG, et al. (2020). Fecal Pollution and Pathogens in Costa Rican Coastal Waters. Environmental Variables Influence Relationships among Microbial Indicators of Fecal Pollution and Pathogens in Costa Rican Coastal Waters. Water Research. Volume 188, 1 January 2021, 116507.
- Shawna Hawkins, et al. (2020). Novel diagnostic evaluation of fatal Balamuthia mandrillaris meningoencephalitis in a captive Bornean orangutan (Pongo pygmaeus) with identification of potential environmental source and evidence of chronic exposure. Primates. September 2020.
- Patrick M, et al. (2017) Assessment of Drinking Water Sold from Private Sector Kiosks in Post-Earthquake Port-au-Prince, Haiti. *Am. J. of Tropical Medicine and Hygiene.* Oct;97(4_Suppl):84-91.
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- Cope, JR, et al. (2015). The First Association of a Primary Amebic Meningoencephalitis Death with Culturable *Naegleria fowleri* in Tap Water from a US Treated Public Drinking Water System. *Clinical Infectious Disease*. Volume 60, Issue 8, 15 April 2015, Pages e36–e42.
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- Gargano J.W., et al. (2013). Surveillance for Waterborne Disease Outbreaks Associated with Drinking Water and Other Non-recreational Water — United States, 2009–2010. *Morbidity and Mortality Weekly Report (MMWR)* 62(35);714-720.
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- Yoder, J. S., et al. (2012). Primary Amebic Meningoencephalitis Deaths Associated With Sinus Irrigation Using Contaminated Tap Water. *Clinical Infectious Diseases* 55,(9):E79-E85.
- Hill VR, Mull B, Jothikumar N, Ferdinand K, and Vinjé J. (2010) Detection of GI and GII Noroviruses in Ground Water Using Ultrafiltration and TaqMan Real-time RT-PCR. *Food Environ. Virol*., 2:218-224.
- Mull B and Hill VR. (2009) Recovery and detection of *Escherichia coli* O157:H7 in surface water using ultrafiltration and real-time PCR. *Appl. Environ. Microbiol.*, 75:3593-3597

# KRISTIN **BAECHER (HINKSON)**

1006 NE 12th Ave, Gainesville, FL 32601
(404) 583-3596
**kmhinkson14@gmail.com**

## EDUCATION

**MAY 2015**
**MASTER OF SCIENCE,** EASTERN KENTUCKY UNIVERSITY
Major: Biology; VP of Biological Organization of Graduate Students; GPA: 4.0/4.0

**MAY 2013**
**B.S. IN FORESTRY & NATURAL RESOURCES,** UNIVERSITY OF GEORGIA
Major: Wildlife and Fisheries; GPA: 3.90/4.0

## WORK/RESEARCH EXPERIENCE

**SEPT 2020 – PRESENT**
**SENIOR BIOLOGICAL SCIENTIST,** BCS LABORATORIES

- Processes environmental samples and tests for the presence of various pathogens, identifies parasites in samples following EPA method 1623.1 and 625
- **Skills:** Principal Analyst for EPA method 1623.1, fluorescent microscopy, cell staining, RT-qPCR

**NOV 2019 – SEPT 2020**
**BIOLOGICAL SCIENTIST II,** UNIVERSITY OF FLORIDA

- Facilitated invasive plant ecology research, perform typical lab manager duties (i.e., purchase lab supplies and equipment, track account spending, maintain field and laboratory spaces, recruit and hire interns, orient new members to lab procedures and protocols)

**JUNE 2016 – OCT 2019**
**RESEARCH TECHNICIAN,** MEMPHIS ZOO

- Conducted reproductive research, developed experiments, compiled and analyzed data, produced progress reports for governmental/granting agencies, prepares manuscripts
- **Skills:** sperm cryopreservation, assisted reproductive technologies, cell staining, ultrasonography of amphibians, microscopy, DNA extraction/PCR/genotyping, grant writing, securing federal and state permits

**NOV 2015–JUNE 2016**
**BIOLOGICAL SCIENCE TECHNICAN (GS-0404-07),** USDA ARS

- Collected, recorded, organized, and analyzed data from laboratory, greenhouse, and field trials
- **Skills:** DNA extraction from plant material, real-time PCR, bioassays, cloning, plant grafting

**JUNE 2015–OCT 2015**
**WETLAND RESEARCH TECHNICIAN,** EASTERN KENTUCKY UNIVERSITY

- Assisted in managing a project that involves the statewide validation of the Kentucky Wetland Rapid Assessment Method (KY-WRAM)
- **Skills:** amphibian surveys, vegetation surveys, Program R, GIS software, grant budgeting, technical report writing

**AUG 2013–MAY 2015**

### **GRADUATE ASSISTANT,** EASTERN KENTUCKY UNIVERSITY

- Served as a teaching assistant for introductory Biology lab and Cell and Molecular Biology Lab
- Maintained herpetological museum specimens
- Designed and carried out a thesis project assessing the genetic variation and effective population size of the endangered dusky gopher frog (*Lithobates sevosus*) over 15 years
- **Skills:** DNA extraction, PCR, genotyping, grant writing, preparation of lab solutions, operation and maintenance of ABI 3130 Genetic Analyzer, NanoDrop, and Quibit.

**SEPT 2013–APR 2015**

### **RESEARCH ASSISTANT,** EASTERN KENTUCKY UNIVERSITY

- Assisted in various amphibian surveys
- **Skills:** minnow trapping, egg count surveys, stream salamander sampling, identification of larval and adult amphibians, macroinvertebrate sampling, macroinvertebrate identification, visible implant elastomer tagging, water quality measurements

**MAY–AUG 2014**

### **RESEARCH ASSISTANT,** SAVANNAH RIVER ECOLOGY LABORATORY

- Collected data for a region-wide study assessing the genetic variation in the gopher frog (*Lithobates capito*) across the southeastern United States
- **Skills:** DNA extraction, PCR, genotyping, preparation of lab solutions, operation and maintenance of ABI 3130 Genetic Analyzer, NanoDrop, and Quibit

**MAY–JULY 2013**

### **RESEARCH ASSISTANT,** UNIVERSITY OF GEORGIA

- Collected data for study examining geographic patterns of genetic variation in sea turtles
- **Skills:** DNA extraction, organization and maintenance of sample repository for tissue samples

**JAN–MAY 2013**

### **UNDERGRADUATE TEACHING ASSISTANT,** UNIVERSITY OF GEORGIA

- Aided in Herpetology 4040 lab
- **Skills:** communication of scientific material and animal identification

**MAY–AUGUST 2012**

### **RESEARCH ASSISTANT & ENVIRONMENT EDUCATOR,** ST KITTS SEA TURTLE MONITORING NETWORK

- Conducted nightly beach surveys of nesting leatherback sea turtles
- Guided ecotours, created educational activities, and gave lectures on sea turtle biology
- **Skills:** planning and organizing field logistics, delegating tasks, animal rehabilitation, environmental outreach

# PUBLICATIONS

**Hinkson KM**, JE NeSmith, C Alba, M Durham, J Ferrell, SL Flory. 2024. Selective method for invasive plant removal enhances restoration. Restoration Ecology DOI: 10.1111/rec. 14112.

Roberts B, MR Sandfoss, TS Schwartz, A Lindsey, **KM Hinkson**, SB Reichling. 2024. First successful artificial insemination of the endangered Louisiana pinesnake, *Pituophis ruthveni*. Zoo Biology 1 – 5. DOI: 10.1002/zoo.21817.

Santymire R, A Sacerdote-Velat, A Gygli, D Keinath, S Poo, **KM Hinkson**, E McKeag. 2021. Using dermal glucocorticoids to determine the effects of disease and environment on the critically endangered Wyoming toad. Conservation Physiology 9(1):coab093.

Watt A, R Marcec-Greaves, **KM Hinkson**, S Poo, B Roberts, and T Pitcher. 2021. Effects of age on sperm quality metrics in endangered Mississippi gopher frogs (*Lithobates sevosus*) from captive populations used for controlled propagation and reintroduction efforts. Zoo Biology 40:218 – 226.

**Hinkson KM,** Smith E, Reichling S, Pierce J, et al. 2020. *Pituophis ruthveni* (Louisiana pinesnake): Reproduction in repatriated population. Herpetological Review 51:625 – 626.

**Hinkson KM** and Poo S. 2020. Inbreeding depression in sperm quality in a critically endangered amphibian. Zoo Biology 39:197 – 204.

Poo S and **Hinkson KM**. 2020. Amphibian conservation using assisted reproductive technologies: Cryopreserved sperm affects offspring morphology, but not behavior, in a toad. Global Ecology and Conservation, e00809.

Poo S and **Hinkson KM**. 2019. Applying cryopreservation to anuran conservation biology. Conservation Science and Practice, DOI: 10.1111/esp2.91.

**Hinkson KM**, Baecher JA, Poo S. 2019. Cryopreservation and hormonal induction of spermic urine in a novel species: The smooth-sided toad (*Rhaebo guttatus*). Cryobiology 89: 109 – 111.
Media Coverage: USA Today | Commercial Appeal l | The Daily Memphian | WMC-TV Action News 5

Poo S, **Hinkson KM,** and Stege E. 2019. Sperm output and body condition are maintained independent of hibernation in endangered temperate amphibian. Reproduction, Fertility and Development 31:796 – 804.

**Hinkson KM**, Richter SC. 2016. Temporal trends in genetic data and effective size support efficacy of management practices in critically endangered dusky gopher frogs (*Lithobates sevosus*). Ecology and Evolution 6:2667 – 2678.

**Hinkson KM**, Henry NL, Hensley NM, Richter SC. 2016. Initial founders of captive populations are genetically representative of natural populations in critically endangered dusky gopher frogs, *Lithobates sevosus*. Zoo Biology 35:378 – 384.

# PRESENTATIONS

| | | |
|---|---|---|
| 2019 | Union University, Invited Seminar Speaker | Memphis, TN |
| 2018 | AZA's Amphibian Taxonomic Advisory Group | Seattle, WA |
| 2018 | Joint Meeting of Ichthyologists and Herpetologists | Rochester, NY |
| 2017 | Joint Meeting of Ichthyologists and Herpetologists | Austin, TX |
| 2017 | Southeastern Partners in Amphibian and Reptile Conservation | Little Rock, AR |

| | | |
|---|---|---|
| 2015 | Eastern KY University's Graduate Research Expo | Richmond, KY |
| 2014 | Kentucky Academy of Science | Lexington, KY |
| 2014 | Joint Meeting of Ichthyologists and Herpetologists | Chattanooga, TN |

## GRANT FUNDING

Project period: April 2019 – October 2019. "Genetic assessment of dusky gopher frog population: new ponds, same diversity?" Memphis Zoo's Conservation Action Network Grant (**$2980**). Principal investigator.

Project period: May 2018 – May 2019. "Fitness across life stages: Can jumping performance of adult frogs predict offspring fitness in a captive and critically endangered frog?" Memphis Zoo's Conservation Action Network Grant (**$6055**). Investigator.

Project period: May 2018 – May 2019. "In vitro fertilization and conservation of the dusky gopher frog." Memphis Zoo's Conservation Action Network Grant (**$5978**). Investigator.

Project period: Feb 2017 – October 2019. "Genetic comparisons between captive and natural dusky gopher frog populations. Association of Zoos and Aquariums' Amphibian Taxonomic Advisory Group Grant (**$1000**). Principal Investigator.

Project period: March 2017 – March 2018. "Tadpole bootcamp: increasing the survival of captive amphibians after release into the wild." Memphis Zoo's Conservation Action Network Grant (**$5590**). Investigator.

Project period: August 2013 – May 2015. "Temporal comparisons on the genetic variation of the dusky gopher frog (*Lithobates sevosus*)," EPSCoR NSF (**$5000**). Principal investigator.

## SCHOLARSHIPS & AWARDS

| | |
|---|---|
| 2015 | **Outstanding Graduate Thesis Award**; Eastern KY University |
| 2015 | **Dept of Biological Sciences Graduate Research Honors Award;** Eastern KY University |
| 2013 | **Experimental Program to Stimulate Competitive Research ($5000);** National Science Foundation |
| 2009-2013 | **HOPE Scholarship Recipient;** State of Georgia |

## ORGANIZATIONS

**MEMBER**
Society for the Study of Amphibians and Reptiles, Association of Zoos and Aquariums, Gamma Phi Beta
**REVIEWER**
Reproduction, Fertility, and Development; Ecology and Evolution; Biological Journal of the Linnaean Society; Conservation Genetics Resources

Kristin Baum 12/14/2021



State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E82295

ECOANALYSTS, INC.
11842 RESEARCH CIRCLE
ALACHUA, FL 32615

has complied with Florida Administrative Code 64E-1,
for the examination of environmental samples in the following categories

NON-POTABLE WATER - TOXICITY, SOLID AND CHEMICAL MATERIALS - TOXICITY

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Public Health Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

Date Issued: July 01, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
DH Form 1697, 7/04
NON-TRANSFERABLE E82295-28-07/01/2024
Supersedes all previously issued certificates

# *Laboratory Scope of Accreditation*



**Attachment to Certificate #: E82295-28, expiration date June 30, 2025. This listing of accredited analytes should be used only when associated with a valid certificate.**

**State Laboratory ID:** **E82295** **EPA Lab Code:** **FL01105** **(386) 462-7889**

**E82295**
**EcoAnalysts, Inc.**
**11842 Research Circle**
**Alachua, FL 32615**

**Matrix:** **Non-Potable Water**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 3305 | Arbacia punctulata | EPA 821-R-02-014 (SW chronic)(1008.0) | 10116219 | Toxicity | 11/28/2006 |
| 3315 | Ceriodaphnia dubia | EPA 821-R-02-012 (FW acute)(2002.0) | 10214581 | Toxicity | 8/12/2004 |
| 3315 | Ceriodaphnia dubia | EPA 821-R-02-013 (FW chronic) (1002.0) | 10253006 | Toxicity | 8/12/2004 |
| 3340 | Cyprinella leedsi | EPA 821-R-02-012 (FW acute)(2000.0) | 10264809 | Toxicity | 8/12/2004 |
| 3345 | Cyprinodon variegatus | EPA 821-R-02-012 (SW acute)(2004.0) | 10216612 | Toxicity | 12/20/2022 |
| 3345 | Cyprinodon variegatus | EPA 821-R-02-014 (SW chronic)(1004.0) | 10253404 | Toxicity | 12/20/2022 |
| 3350 | Daphnia magna | EPA 821-R-02-012 (FW acute)(2021.0) | 10215391 | Toxicity | 3/27/2013 |
| 3355 | Daphnia pulex | EPA 821-R-02-012 (FW acute)(2021.0) | 10215391 | Toxicity | 11/9/2006 |
| 3380 | Menidia beryllina | EPA 821-R-02-012 (SW acute)(2006.0) | 10216418 | Toxicity | 8/12/2004 |
| 3380 | Menidia beryllina | EPA 821-R-02-014 (SW chronic)(1006.0) | 10115818 | Toxicity | 8/12/2004 |
| 3395 | Mysidopsis bahia | EPA 821-R-02-012 (SW acute)(2007.0) | 10216010 | Toxicity | 8/12/2004 |
| 3395 | Mysidopsis bahia | EPA 821-R-02-014 (SW chronic)(1007.0) | 10216214 | Toxicity | 8/12/2004 |
| 3410 | Pimephales promelas | EPA 821-R-02-012 (FW acute)(2000.0) | 10264809 | Toxicity | 8/12/2004 |
| 3410 | Pimephales promelas | EPA 821-R-02-013 (FW chronic) (1000.0) | 10252605 | Toxicity | 8/12/2004 |
| 3420 | Selenastrum capricornutum | EPA 821-R-02-013 (FW chronic)(1003.0) | 10115216 | Toxicity | 8/12/2004 |

## *Laboratory Scope of Accreditation*



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**E82295**
**EcoAnalysts, Inc.**
**11842 Research Circle**
**Alachua, FL 32615**

**Matrix:** **Solid and Chemical Materials**

| Analyte# | Analyte | Method/Tech | Method Code | Category | Effective Date |
|---|---|---|---|---|---|
| 3302 | Ampelisca abdita | EPA/600/R-94/025 | 10294618 | Toxicity | 1/22/2007 |
| 3322 | Chironomus tentans | EPA/600/R-99/064 (100.2) | 10294696 | Toxicity | 12/15/2020 |
| 3322 | Chironomus tentans | EPA/600/R-99/064 (100.5) | 10294743 | Toxicity | 12/15/2020 |
| 3372 | Hyalella azteca | EPA/600/R-99/064 (100.1) | 10294787 | Toxicity | 12/15/2020 |
| 3372 | Hyalella azteca | EPA/600/R-99/064 (100.4) | 10294765 | Toxicity | 12/15/2020 |
| 3461 | Leptochirus plumulosus | EPA/600/R-94/025 | 10294618 | Toxicity | 1/22/2007 |

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www.phenova.com

September 1, 2023

Mr. Peter Meyer
Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Dear Peter,

Thank you for participating in the DMRQA43-WET DMRQA PT Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Phenova.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory will be sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the DMRQA43-WET DMRQA PT Study. We appreciate working with you and look forward to our next study. If you have any questions, please call us at 303-940-0033.

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**Report Definitions:**

***Assigned Value*** The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation Limits*** Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation***

| | |
|---|---|
| *Acceptable* | The reported value falls within the Acceptance Limits. |
| *Not Acceptable* | The reported value falls outside the Acceptance Limits. |
| *No Evaluation* | The reported value is non-numeric and can not be evaluated. |
| *NR* | As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported). |

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This report must not be used to claim product certification, approval, or endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the federal government.

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# Final Report - DMRQA PT

## Study: DMRQA43-WET

### Opening Date: May 19, 2023 - Closing Date: August 4, 2023

Facility: Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Contact: Mr. Peter Meyer
3864627889

EPA Lab ID: FL01105

NPDES Permit ID:

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3410 | Fathead Minnow Acute MHSF 25° - LC50 | | EPA 2000.0 | S.U. | 37.0 | 58.71 | 22.1 - 52.0 | Not Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3410 | Fathead Minnow Chronic MHSF - Survival NOEC | | EPA 1000.0 | S.U. | 50 | 50 | 25 - 100 | Acceptable |
| 3410 | Fathead Minnow Chronic MHSF - Growth IC25 (ON) | | EPA 1000.0 | S.U. | 53.2 | 55.91 | 37.8 - 68.7 | Acceptable |
| 3410 | Fathead Minnow Chronic MHSF - Growth NOEC (ON) | | EPA 1000.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3315 | Ceriodaphnia Acute MHSF 25° - LC50 | | EPA 2002.0 | S.U. | 42.0 | 38.29 | 12.4 - 71.7 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3315 | Ceriodaphnia Chronic MHSF - Survival NOEC | | EPA 1002.0 | S.U. | 50 | 25 | 25 - 100 | Acceptable |
| 3315 | Ceriodaphnia Chronic MHSF - Reproduction IC25 | | EPA 1002.0 | S.U. | 30.2 | 27.86 | 23.2 - 37.3 | Acceptable |
| 3315 | Ceriodaphnia Chronic MHSF - Reproduction NOEC | | EPA 1002.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3350 | Daphnia Magna Acute MHSF 25° - LC50 | | EPA 2021.0 | S.U. | 58.8 | 63.05 | 30.3 - 87.4 | Acceptable |

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Contact: Mr. Peter Meyer
3864627889

EPA Lab ID: FL01105

NPDES Permit ID:

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3395 | Mysid Acute SSW 25° - LC50 | | EPA 2007.0 | S.U. | 42.7 | 63.05 | <6.25 - 97.0 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3395 | Mysid Chronic SSW - Survival NOEC | | EPA 1007.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |
| 3395 | Mysid Chronic SSW - Growth IC25 (ON) | | EPA 1007.0 | S.U. | 42.6 | 34.66 | 19.1 - 66.1 | Acceptable |
| 3395 | Mysid Chronic SSW - Growth NOEC (ON) | | EPA 1007.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3380 | Menidia Acute SSW 25° - LC50 | | EPA 2006.0 | S.U. | 48.2 | 66.57 | 28.3 - 68.2 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3380 | Menidia Chronic SSW - Survival NOEC | | EPA 1006.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |
| 3380 | Menidia Chronic SSW - Growth IC25 (ON) | | EPA 1006.0 | S.U. | 31.2 | 27.79 | 25.2 - 37.1 | Acceptable |
| 3380 | Menidia Chronic SSW - Growth NOEC (ON) | | EPA 1006.0 | S.U. | 25 | 12.5 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3345 | Sheepshead Minnow Acute SSW 25° - LC50 | | EPA 2004.0 | S.U. | 27.8 | 29.09 | 13.9 - 41.6 | Acceptable |

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# Final Report - DMRQA PT

## Study: DMRQA43-WET

### Opening Date: May 19, 2023 - Closing Date: August 4, 2023

Facility: Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Contact: Mr. Peter Meyer
3864627889

EPA Lab ID: FL01105

NPDES Permit ID:

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3345 | Sheepshead Minnow Chronic SSW - Survival NOEC | | EPA 1004.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |
| 3345 | Sheepshead Minnow Chronic SSW - Growth IC25 (ON) | | EPA 1004.0 | S.U. | 37.0 | 30.23 | 17.1 - 56.8 | Acceptable |
| 3345 | Sheepshead Minnow Chronic SSW - Growth NOEC (ON) | | EPA 1004.0 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |

ECOANALYSTS, INC.

October 27, 2023

Dear Client,

This letter will serve as our Corrective Action for the results deemed Not Acceptable for DMR-QA 43.

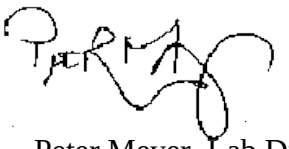
In short, our in-house organisms are heathier when compared to commercially obtained organisms. Commercially obtained organisms go through a certain amount of stress due to being handled, packaged, shipped, unpacked and handled once again. We have documented a 25-35% difference in LC50 values when using in-house vs commercially-obtained organisms.

We used our in-house organisms the DMR-QA 43 study. The results of the original study show that our organisms did not respond to the toxicant as much as the rest of the industry. The follow-up study was deemed acceptable. As we would expect, we continue to be on the higher end of acceptable since we culture these organisms in house.

Going forward, we will continue to use the healthiest test organisms possible for all our client's studies. We have sent our graded results for the repeat DMR-QA study the state DMR Coordinator.

Achieving the best possible quality in our data is a personal commitment on the part of all members of the bioassay lab. Please call me at 386-462-7889 if you have any questions. Thank you for your patience and understanding in this matter.

Sincerely,



Peter Meyer, Lab Director

ERA
A Waters Company

**Peter R Meyer**
**Hydrosphere Research Enviro Svc Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**USA**

# *091423L Final Report*

## QuiK™ Response Proficiency Testing

ERA
A Waters Company

October 13, 2023

Peter R Meyer
Hydrosphere Research Enviro Svc Inc
11842 Research Cir
Alachua, FL 32615

Enclosed is your final report for ERA's QuiK™Response program. Your final report includes an evaluation of all results submitted by your laboratory to ERA. The assigned value(s) and acceptance limits were not available to your laboratory at or before the time of reporting.

All analytes in ERA's QuiK™Response program are evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) tables the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the tables and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268). All analytes are included in ERA's A2LA accreditation, certification number 1539.01.

The Study Dates listed for each standard in the report are the project ship date (open date) and the date the data was submitted for evaluation (close date). Please note there may be different close dates for different standards within a project.

All activities associated with this QuiK™Response project were performed by Waters/ERA with the exception of these samples/products which were manufactured for Waters/ERA by a subcontractor: Microbiology products with the following catalog numbers; 081, 084, 085, 078, 078A, 083, 083A and Volatiles in Gas Cylinder, catalog number 1100.

As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a supplemental (QuiK™Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting the quality of your routine data.

The data contained herein are confidential and intended for your use only.

If you are using this report for DMRQA Corrective Action, please note the following: permittees must submit a copy of this report to your DMR-QA Coordinator, along with your corrective action documentation. Contract Laboratories should send a copy of this report to your permittees upon receipt.

Thank you for your participation in ERA's QuiK™Response program. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,



Craig Huff
Senior Technical Manager

cc: Project File Number 091423L

A Waters Company

| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| No Recipients Selected | | |

# 091423L Laboratory Exception Report

**Peter R Meyer**
**Lab Director**
**Hydrosphere Research Enviro Svc Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**(386) 462-7889**

**EPA ID:** **FL01105**
**ERA Customer Number:** **H656684**

## Not Acceptable Evaluations

There were no Not Acceptable evaluations for this study.

ERA
A Waters Company

# Final Report Results For Laboratory Hydrosphere Research Enviro Svc Inc

ERA
A Waters Company

# Final Evaluation Report

Project Number: **091423L**

ERA Customer Number: **H656684**

Laboratory Name: **Hydrosphere Research Enviro Svc Inc**

## WET Results

# 091423L Final Report

A Waters Company

**Peter R Meyer**
**Lab Director**
**Hydrosphere Research Enviro Svc Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**(386) 462-7889**

**EPA ID:** **FL01105**
**ERA Customer Number:** **H656684**

| Analyte Code | Test End Point | Reported Value | Assigned Value % | Acceptance Limits % | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***DMRWet Fathead minnow (Test Code 13) (cat# AQC002, lot# 091423L) Study Dates: 09/14/2023 - 10/13/2023*** | | | | | | | | | | | |
| ***48Hr., Acute, Non-Renewal, 25° C, MHSF*** | | | | | | | | | | | |
| ***Potassium chloride*** | | | | | | | | | | | |
| 0754 | LC50 | 63.05 | 60.3 | 40.5 - 80.2 | Acceptable | EPA 2000.0 Acute 5th ED 2002 | 10/5/2023 | 0.275 | 60.3 | 9.93 | |

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Proficiency Testing Provider
Certificate # 2427.01

6390 Joyce Drive
# 100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.phenova.com

September 27, 2024

Mr. Peter Meyer
Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Dear Peter,

Thank you for participating in the DMRQA44-WET DMRQA PT Study. Enclosed is your final report, which has been carefully reviewed by the PT specialists at Phenova.

For any analyte falling outside the established acceptance limits, our PT management staff would like to assist you in determining the most appropriate course of corrective action for your facility. Please contact us at any time if we may be of service to you. A final report for your laboratory will be sent to all accrediting agencies you requested at the time of data submittal.

Thank you again for participating in the DMRQA44-WET DMRQA PT Study. We appreciate working with you and look forward to our next study. If you have any questions, please call us at 303-940-0033.

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www.phenova.com

**Report Definitions:**

***Assigned Value*** The Assigned Value is determined from the study mean, gravimetric and volumetric true concentration of an analyte to be analyzed, calculation and/or an appropriate reference value as stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Document (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation Limits*** Acceptance Limits are derived from fixed limits, coefficients, constants and calculations stipulated in the EPA National Standards for Water Proficiency Testing Studies Criteria Documents (current version), the National Environmental Laboratory Accreditation Conference (NELAC) criteria (ref: NELAC PT FOT tables, NELAC PT Committee) and other documents distributed by accrediting agencies as applicable.

***Evaluation***

| | |
|---|---|
| *Acceptable* | The reported value falls within the Acceptance Limits. |
| *Not Acceptable* | The reported value falls outside the Acceptance Limits. |
| *No Evaluation* | The reported value is non-numeric and can not be evaluated. |
| *NR* | As required by the NELAC standards and requested by state authorities, any analyte purchased but not reported by your facility is listed as NR (Not Reported). |

This report must not be reproduced except in full, without the written approval of Phenova.
This report must not be used to claim product certification, approval, or endorsement by the American Association for Laboratory Accreditation (A2LA) or any agency of the federal government.

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# 100
Golden, CO 80403

Phone 303-940-0033
Fax 866-283-0269
www.phenova.com

# Final Report - DMRQA PT

## Study: DMRQA44-WET

### Opening Date: May 17, 2024 - Closing Date: August 30, 2024

Facility: Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Contact: Mr. Peter Meyer
3864627889

EPA Lab ID: FL01105

NPDES Permit ID:

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3410 | Fathead Minnow Acute MHSF 25° - LC50 | 10264809 | EPA 2000.0 2002 | S.U. | 34.9 | 56.15 | 25.7 - 44.2 | Not Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3410 | Fathead Minnow Chronic MHSF - Survival NOEC | 10252605 | EPA 1000.0 2002 | S.U. | 50 | 50 | 25 - 100 | Acceptable |
| 3410 | Fathead Minnow Chronic MHSF - Growth IC25 (ON) | 10252605 | EPA 1000.0 2002 | S.U. | 49.4 | 55.96 | 31.0 - 67.8 | Acceptable |
| 3410 | Fathead Minnow Chronic MHSF - Growth NOEC (ON) | 10252605 | EPA 1000.0 2002 | S.U. | 25 | 50 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3315 | Ceriodaphnia Acute MHSF 25° - LC50 | 10214581 | EPA 2002.0 - Ceriodaphnia Acute Toxicity Rev.5th Ed 2002 | S.U. | 37.0 | 23.5 | 23.6 - 50.4 | Not Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3315 | Ceriodaphnia Chronic MHSF - Survival NOEC | 10253006 | EPA 1002.0 2002 | S.U. | 25 | 12.5 | 12.5 - 50 | Acceptable |
| 3315 | Ceriodaphnia Chronic MHSF - Reproduction IC25 | 10253006 | EPA 1002.0 2002 | S.U. | 27.6 | 15.59 | 16.8 - 38.4 | Not Acceptable |
| 3315 | Ceriodaphnia Chronic MHSF - Reproduction NOEC | 10253006 | EPA 1002.0 2002 | S.U. | 25 | 12.5 | 12.5 - 50 | Acceptable |

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Phone 303-940-0033
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www.phenova.com

# Final Report - DMRQA PT

## Study: DMRQA44-WET

### Opening Date: May 17, 2024 - Closing Date: August 30, 2024

Facility: Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Contact: Mr. Peter Meyer
3864627889

EPA Lab ID: FL01105

NPDES Permit ID:

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3350 | Daphnia Magna Acute MHSF 25° - LC50 | 10215391 | EPA 2021.0 - Daphnia magna Acute Toxicity Rev.5th Ed 2002 | S.U. | 60.3 | 64.89 | 34.5 - 86.1 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3395 | Mysid Acute SSW 25° - LC50 | 10216010 | EPA 2007.0 - Mysid Acute Toxicity Rev.5th Ed 2002 | S.U. | 37.4 | 63.05 | <6.25 - 71.0 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3395 | Mysid Chronic SSW - Survival NOEC | 10254009 | EPA 1007.0 2002 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |
| 3395 | Mysid Chronic SSW - Growth IC25 (ON) | 10254009 | EPA 1007.0 2002 | S.U. | 28.9 | 29.77 | 22.5 - 35.4 | Acceptable |
| 3395 | Mysid Chronic SSW - Growth NOEC (ON) | 10254009 | EPA 1007.0 2002 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3380 | Menidia Acute SSW 25° - LC50 | 10216418 | EPA 2006.0 - Menidia Acute Toxicity Rev.5th Ed 2002 | S.U. | 37.4 | 36.48 | 32.7 - 42.0 | Acceptable |

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www.phenova.com

# Final Report - DMRQA PT

## Study: DMRQA44-WET

### Opening Date: May 17, 2024 - Closing Date: August 30, 2024

Facility: Hydrosphere Research
11842 Research Circle
Alachua, FL 32615
USA

Contact: Mr. Peter Meyer
3864627889

EPA Lab ID: FL01105

NPDES Permit ID:

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3380 | Menidia Chronic SSW - Survival NOEC | 10253802 | EPA 1006.0 2002 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |
| 3380 | Menidia Chronic SSW - Growth IC25 (ON) | 10253802 | EPA 1006.0 2002 | S.U. | 28.1 | 26.52 | 20.6 - 35.6 | Acceptable |
| 3380 | Menidia Chronic SSW - Growth NOEC (ON) | 10253802 | EPA 1006.0 2002 | S.U. | 25 | 12.5 | 12.5 - 50 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3345 | Sheepshead Minnow Acute SSW 25° - LC50 | 10216612 | EPA 2004.0 - Sheepshead Minnow Acute Toxicity Rev.5th Ed 2002 | S.U. | 21.3 | 17.73 | 8.15 - 34.5 | Acceptable |

| NELAC Code | Analyte | Method Code | Method Description | Units | Assigned Value | Result | Acceptance Limits | Evaluation |
|---|---|---|---|---|---|---|---|---|
| 3345 | Sheepshead Minnow Chronic SSW - Survival NOEC | 10253404 | EPA 1004.0 2002 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |
| 3345 | Sheepshead Minnow Chronic SSW - Growth IC25 (ON) | 10253404 | EPA 1004.0 2002 | S.U. | 27.8 | 28.78 | 19.5 - 36.1 | Acceptable |
| 3345 | Sheepshead Minnow Chronic SSW - Growth NOEC (ON) | 10253404 | EPA 1004.0 2002 | S.U. | 25 | 25 | 12.5 - 50 | Acceptable |

ECOANALYSTS, INC.

November 4th, 2024

Dear Client,

This letter will serve as our Corrective Action for the results deemed Not Acceptable for DMR-QA 44.

An investigation was conducted using the lab's Corrective Action Reporting system. The associated three reports are here identified as 24002·CAR, 24003·CAR and 24004·CAR. The review conducted did not find any issues with the laboratory systems or personnel.

Quik™Response PTs were purchased from ERA, Golden, CO and testing was conducted.

The test results all came back as "**Acceptable**". The only issue, which was resolved with the vendor, was a data entry error. In the report titled ***101424Q Final Report***, page 8, Test Code 21, test end point, NOEC Reproduction, is listed as "**Not Acceptable**". The error happened when the **IC25** value was entered in the cell for **NOEC** and vice versa. ERA was contacted and asked to amend the report. The report was amended on October 25th, 2024 with the designation of "Ver. 2" noted at the top of all eight pages.

The corrective action reports and Quik™Response reports are attached in the following pages should further review be required.

Achieving the best possible quality in our data is a personal commitment on the part of all members of the bioassay lab. Please call me at 386-462-7889 if you have any questions. Thank you for your patience and understanding in this matter.

Sincerely,

Peter R. Meyer, Florida Laboratory Director



EcoAnalysts, Inc.

# Appendix A.

## ERA's Final Report J

DMR Wet Fathead minnow, 48-Hr Acute (Test Code 13)




**Idaho · Missouri · Washington · Florida**
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www.ecoanalysts.com

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A Waters Company

**Peter R Meyer**
**Hydrosphere Research Enviro Svc Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**USA**

# 101024J Final Report

## QuiK™ Response Proficiency Testing

ERA
A Waters Company

October 24, 2024

Peter R Meyer
Hydrosphere Research Enviro Svc Inc
11842 Research Cir
Alachua, FL 32615

Enclosed is your final report for ERA's QuiK™Response program. Your final report includes an evaluation of all results submitted by your laboratory to ERA. The assigned value(s) and acceptance limits were not available to your laboratory at or before the time of reporting.

All analytes in ERA's QuiK™Response program are evaluated using the following tiered approach. If the analyte is listed in the most current TNI Fields of Proficiency Testing (FoPT) tables the evaluation was completed by comparing the reported result to the acceptance limits generated using the criteria contained in the tables and the evaluation criteria contained in the 2016 TNI Standard, Volume 3. If the analyte is not included in the TNI FoPT tables, the reported result has been evaluated using the procedures outlined in ERA's Standard Operating Procedure for the Generation of Performance Acceptance Limits (SOP 730002268). All analytes are included in ERA's A2LA accreditation, certification number 1539.01.

The Study Dates listed for each standard in the report are the project ship date (open date) and the date the data was submitted for evaluation (close date). Please note there may be different close dates for different standards within a project.

All activities associated with this QuiK™Response project were performed by Waters/ERA with the exception of these samples/products which were manufactured for Waters/ERA by a subcontractor: Microbiology products with the following catalog numbers; 081, 084, 085, 078, 078A, 083, 083A and Volatiles in Gas Cylinder, catalog number 1100.

As part of your accreditation(s), you may be required to identify the root cause of any "Not Acceptable" results, implement the necessary corrective actions, and then satisfy your PT requirements by participating in a supplemental (QuiK™Response) or future ERA PT study. ERA's technical staff is available to help your laboratory resolve any technical issues that may be impairing your PT performance and possibly affecting the quality of your routine data.

The data contained herein are confidential and intended for your use only.

If you are using this report for DMRQA Corrective Action, please note the following: permittees must submit a copy of this report to your DMR-QA Coordinator, along with your corrective action documentation. Contract Laboratories should send a copy of this report to your permittees upon receipt.

Thank you for your participation in ERA's QuiK™Response program. If you have any questions, please contact our Proficiency Testing Department at 1-800-372-0122.

Sincerely,



Craig Huff
Senior Technical Manager

cc: Project File Number 101024J

A Waters Company

| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| No Recipients Selected | | |

# 101024J Laboratory Exception Report

**Peter R Meyer**
**Lab Director**
**Hydrosphere Research Enviro Svc Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**(386) 462-7889**

**EPA ID:** **FL01105**
**ERA Customer Number:** **H656684**

## Not Acceptable Evaluations

There were no Not Acceptable evaluations for this study.

ERA
A Waters Company

# Final Report Results For Laboratory Hydrosphere Research Enviro Svc Inc

ERA
A Waters Company

# Final Evaluation Report

Project Number: **101024J**

ERA Customer Number: **H656684**

Laboratory Name: **Hydrosphere Research Enviro Svc Inc**

## WET Results

# 101024J Final Report

A Waters Company

**Peter R Meyer**
**Lab Director**
**Hydrosphere Research Enviro Svc Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**(386) 462-7889**

**EPA ID:** **FL01105**
**ERA Customer Number:** **H656684**

| Analyte Code | Test End Point | Reported Value | Assigned Value % | Acceptance Limits % | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***DMRWet Fathead minnow (Test Code 13) (cat# AQC002, lot# 101024J) Study Dates: 10/10/2024 - 10/24/2024*** | | | | | | | | | | | |
| ***48Hr., Acute, Non-Renewal, 25° C, MHSF*** | | | | | | | | | | | |
| ***Potassium chloride*** | | | | | | | | | | | |
| 0754 | LC50 | 64.9 | 52.0 | 29.7 - 74.3 | Acceptable | EPA 2000.0 MHSF 25 deg C 5th ED 2002 | 10/18/2024 | 1.16 | 52.0 | 11.1 | |

EcoAnalysts, Inc.

# Appendix B.

## ERA's Final Report Q, ver2

DMR Wet Ceriodaphnia dubia, 48-Hr Acute (Test Code 19)

DMR Wet Ceriodaphnia dubia, 3-brood Chronic (Test Code 21)



ERA
A Waters Company

**Peter R Meyer**
**EcoAnalysts, Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**USA**

# 101424Q Final Report

## QuiK™ Response Proficiency Testing

ERA
A Waters Company

October 25, 2024

Peter R Meyer
EcoAnalysts, Inc
11842 Research Cir
Alachua, FL 32615

The enclosed report for ERA's 101424Q study contains data that was either revised by ERA at the request of EcoAnalysts, Inc or was submitted after the close of the study.

The late or revised data are flagged as follows:

Late data is indicated by a single asterisk (*)
Revised data is indicated by two asterisks (**)

If you have any questions, please do not hesitate to contact the Proficiency Testing Group at 1-800-372-0122.

Sincerely,



Craig Huff
Senior Technical Manager

cc: Project File Number 101424Q

# Summary of Revisions

**DMRWet Ceriodaphnia dubia (Test Code 21) (cat# AQC010, lot# 101424Q) Study Dates: 10/14/24 - 10/24/24**
**3-Brood Chronic, Daily Renewal, MHSF**
**Potassium chloride**

| Analyte Code | Analyte | | | Method | Reported Value | Units |
|---|---|---|---|---|---|---|
| **Method 2** | | | | | | |
| 0767 | IC25 Reproduction | | | EPA 1002.0 MHSF 2002 | 25.5 | % |
| | **Revision** | Result | **Reason** | Result (reported value) was changed at the request of the laboratory. | | |
| 0768 | NOEC Reproduction | | | EPA 1002.0 MHSF 2002 | 25 | % |
| | **Revision** | Result | **Reason** | Result (reported value) was changed at the request of the laboratory. | | |

A Waters Company

| Report Recipient | Contact/Phone Number | Reporting Type |
|---|---|---|
| No Recipients Selected | | |

# 101424Q Laboratory Exception Report

**Peter R Meyer**
**Lab Director**
**EcoAnalysts, Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**(386) 462-7889**

**EPA ID:** **FL01105**
**ERA Customer Number:** **H656684**

## Not Acceptable Evaluations

| Analyte Code | Analyte | Units | Reported Value | Assigned Value | Acceptance Limits | Performance Evaluation | Method Description |
|---|---|---|---|---|---|---|---|
| ***DMRWet Ceriodaphnia dubia (Test Code 21) (cat# AQC010, lot# 101424Q) Study Dates: 10/14/24 - 10/24/24*** | | | | | | | |
| ***3-Brood Chronic, Daily Renewal, MHSF*** | | | | | | | |
| ***Potassium chloride*** | | | | | | | |
| 0768 | NOEC Reproduction | % | 25.5 | 25.0 | 12.5 - 50.0 | Not Acceptable | EPA 1002.0 MHSF 2002 |

ERA
A Waters Company

# Final Report Results For Laboratory EcoAnalysts, Inc

ERA
A Waters Company

# Final Evaluation Report

Project Number: **101424Q**

ERA Customer Number: **H656684**

Laboratory Name: **EcoAnalysts, Inc**

## WET Results

# 101424Q Final Report

A Waters Company

**Peter R Meyer**
**Lab Director**
**EcoAnalysts, Inc**
**11842 Research Cir**
**Alachua, FL 32615**
**(386) 462-7889**

**EPA ID:** **FL01105**
**ERA Customer Number:** **H656684**

| Analyte Code | Test End Point | Reported Value | Assigned Value % | Acceptance Limits % | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***DMRWet Ceriodaphnia dubia (Test Code 19) (cat# AQC008, lot# 101424Q) Study Dates: 10/14/2024 - 10/24/2024*** | | | | | | | | | | | |
| ***48-Hr Acute, Nonrenewal, 25° C, MHSF*** | | | | | | | | | | | |
| ***Potassium chloride*** | | | | | | | | | | | |
| 0764 | LC50 | 40.8 | 52.1 | 19.8 - 84.4 | Acceptable | EPA 2002.0 MHSF 25 deg C 5th ED 2002 | 10/18/2024 | -0.699 | 52.1 | 16.2 | |

| Analyte Code | Test End Point | Reported Value | Assigned Value % | Acceptance Limits % | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***DMRWet Ceriodaphnia dubia (Test Code 21) (cat# AQC010, lot# 101424Q) Study Dates: 10/14/2024 - 10/24/2024*** | | | | | | | | | | | |
| ***3-Brood Chronic, Daily Renewal, MHSF*** | | | | | | | | | | | |
| ***Potassium chloride*** | | | | | | | | | | | |
| 0767 | IC25 Reproduction | 25 | 28.4 | 21.3 - 35.4 | Acceptable | EPA 1002.0 MHSF 2002 | 10/16/2024 | -0.958 | 28.4 | 3.53 | |
| 0768 | NOEC Reproduction | 25.5 | 25.0 | 12.5 - 50.0 | Not Acceptable | EPA 1002.0 MHSF 2002 | 10/16/2024 | | | | |
| 0766 | NOEC Survival | 25 | 25.0 | 12.5 - 50.0 | Acceptable | EPA 1002.0 MHSF 2002 | 10/16/2024 | | | | |

| Analyte Code | Test End Point | Reported Value | Assigned Value % | Acceptance Limits % | Performance Evaluation | Method Description | Analysis Date | Z Score | Study Mean | Study Standard Deviation | Analyst Name |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ***DMRWet Ceriodaphnia dubia (Test Code 21) (cat# AQC010, lot# 101424Q) Study Dates: 10/14/2024 - 10/24/2024*** | | | | | | | | | | | |
| ***3-Brood Chronic, Daily Renewal, MHSF*** | | | | | | | | | | | |
| ***Potassium chloride*** | | | | | | | | | | | |
| 0767 | IC25 Reproduction | 25.5** | 28.4 | 21.3 - 35.4 | Acceptable | EPA 1002.0 MHSF 2002 | 10/16/2024 | -0.816 | 28.4 | 3.53 | |
| 0768 | NOEC Reproduction | 25** | 25.0 | 12.5 - 50.0 | Acceptable | EPA 1002.0 MHSF 2002 | 10/16/2024 | | | | |
| 0766 | NOEC Survival | | 25.0 | 12.5 - 50.0 | Not Reported | | | | | | |

** Result(s) have been revised by ERA. Report Revised: 10/25/2024

EcoAnalysts, Inc.

# Appendix C.

EcoAnalysts Corrective Action Tracking Reports

ECO ANALYSTS, INC.

# Corrective Action Tracking

**Report #** 24002 · CAR

View Issues Report

**Date Entered: 9/30/2024**

**Summary:** The results of the bioassay conducted for the DMR-QA 44 PT testing for method 21 were reported as "not accptable" for method 21 CD chronic IC25.

**Status:** Closed

**Priority:** High

**Condition:**

| | | Date |
|---|---|---|
| **Originator:** | Rachel Cox | 10/9/2024 |
| **Approver:** | Peter Meyer | 10/9/2024 |
| **Closer:** | Peter Meyer | 11/3/2024 |

**Is a Root Cause Analysis Justified?** No

**Result of RCA:** No RCA Needed

**Recommended Action:**
1) Review test data and supporting laboratory logs and intrument calibrations.
2) Review procedures used with personnel conducting test.
3) Once the review is completed, make corrections and conduct a Quik™Response test.

**Action Taken & Results:**
1) Test data, logs, calibrations and discussions with personnel were conducted (see notes in comment section below). Nothing was found and no corrective actions were taken,
2) The results of the Quik™Response test was reported to be "acceptable".

**Measure of Effectiveness:** Lab results will be found in the acceptable limits

**SOP or Other Documents Affected:**

Comments | History

**Comments:**
Checked conductivies; they were found to be consistent throughout the test.
Checked the chemical/solution log; simulated effluent was made using the same volumes
Checked the alkalinities/hardness of the waters used all were found to be within spec
Checked the expiration date on the waters used, all were found to be within the expiration date.
Checked the ID of the animals, all ages were correct.
Checked the food used for the CDs none were expired
All technicians used proper protocol regarding Grade A glassware for the tests
Nothing was found to be out of specification for the tests, and proper procedures were followed.

**Support Documents:**

ECO ANALYSTS, INC.

# Corrective Action Tracking

**Report #** 24003 · CAR

View Issues Report

**Date Entered: 10/9/2024**

**Summary:** DMR-QA 44 results for method 13 Fathead minnow acute was found "not acceptable".

**Status:** Closed

**Priority:** High

**Condition:**

| | | Date |
|---|---|---|
| **Originator:** | Rachel Cox | 10/9/2024 |
| **Approver:** | Peter Meyer | 10/9/2024 |
| **Closer:** | Peter Meyer | 11/3/2024 |

**Is a Root Cause Analysis Justified?** No

**Result of RCA:** No RCA Needed

**Recommended Action:**
1) Review test data and supporting laboratory logs and intrument calibrations.
2) Review procedures used with personnel conducting test.
3) Once the review is completed, make corrections and conduct a Quik™Response test.

**Action Taken & Results:**
1) Test data, logs, calibrations and discussions with personnel were conducted (see notes in comment section below). Nothing was found and no corrective actions were taken,
2) The results of the Quik™Response test was reported to be "acceptable".

**Measure of Effectiveness:** Results in acceptable limits

**SOP or Other Documents Affected:**

**Comments** | **History**

**Comments:**
Checked conductivities; they were found to be consistent throughout the test.
Checked the chemical/solution log; simulated effluent was made using the same volumes
Checked the alkalinities/hardness of the waters used all were found to be within spec
Checked the expiration date on the waters used, all were found to be within the expiration date.
Checked the ID of the animals, all ages were correct.
Checked the food used for the CDs none were expired
All technicians used proper protocol regarding Grade A glassware for the tests
Nothing was found to be out of specification for the tests, and proper procedures were followed.

**Support Documents:**

ECO ANALYSTS, INC.

# Corrective Action Tracking

**Report #** 24004 · CAR

View Issues Report

**Date Entered: 10/9/2024**

**Summary:** DMR-QA 44 results for method 19 ceriodaphnia acute was found "not acceptable".

**Status:** Closed

**Priority:** High

**Condition:**

| | | Date |
|---|---|---|
| **Originator:** | Rachel Cox | 10/9/2024 |
| **Approver:** | Peter Meyer | 10/9/2024 |
| **Closer:** | Peter Meyer | 11/3/2024 |

**Is a Root Cause Analysis Justified?**

**Result of RCA:**

**Recommended Action:**
1) Review test data and supporting laboratory logs and intrument calibrations.
2) Review procedures used with personnel conducting test.
3) Once the review is completed, make corrections and conduct a Quik™Response test.

**Action Taken & Results:**
1) Test data, logs, calibrations and discussions with personnel were conducted (see notes in comment section below). Nothing was found and no corrective actions were taken,
2) The results of the Quik™Response test was reported to be "acceptable".

**Measure of Effectiveness**
Results in acceptable limits

**SOP or Other Documents Affected:**

**Comments** | **History**

**Comments:**
Checked conductivies; they were found to be consistent throughout the test.
Checked the chemical/solution log; simulated effluent was made using the same volumes
Checked the alkalinities/hardness of the waters used all were found to be within spec
Checked the expiration date on the waters used, all were found to be within the expiration date.
Checked the ID of the animals, all ages were correct.
Checked the food used for the CDs none were expired
All technicians used proper protocol regarding Grade A glassware for the tests
Nothing was found to be out of specification for the tests, and proper procedures were followed.

**Support Documents:**

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Hydrosphere Research Environmental Services, Inc. | E82295 | July 13-14, 2022 | Jack Farrell – AEX |

PARAMETERS SURVEYED:

Non-Potable Water – Toxicity; Solid and Chemical Materials - Toxicity

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 1. | TNI V1M2, 4.2.1 – The laboratory is not following the Quality Manual. The laboratory has not performed the annual review of all SOPs as required by Sections 5.1 and 7 of the Quality Manual. There was no annual review for 2021-2022 done on the TST-001.03 SOP (Rev. 3, Effective 1/12/17) which was due in April 2022.<br><br>**AEX Evaluation: The Corrective Action Plan is Accepted.** | | CAR 22027 (attached) Completed 09/15/22 |
| 2. | TNI V1M2, 4.2.8.2 - The Quality Manual is not maintained current by the quality manager.<br>A. Figure 4-1 (organization chart) lists the names of two former employees and does not list two current employees.<br>B. It does not state that hard copies of controlled documents are maintained in binders in the laboratory.<br><br>**AEX Evaluation: The Corrective Action Plan is Accepted.** | | CAR 22028 (attached) Completed 09/15/22 |
| 3. | TNI V1M2, 4.2.8.5, 4.2.8.5(a) – SOPs are not sufficiently detailed such that a similarly qualified individual can reproduce the results, do not accurately reflect procedures used by the laboratory, and/or contain errors. Examples include but are not necessarily limited to:<br>A. The Chronic Toxicity of Saltwater to the Sheepshead Minnow SOP (TST-029.01, Rev. 1, 1/18/22) states Sheepshead Minnow, *Cyprinodon variegatus* in the SOP header, Section 3.1, and Section 5.7.E.1, but incorrectly states mysid silversides, *Mysidopsis bahia* or silversides throughout the rest of the SOP.<br>B. The Acute Toxicity of Saltwater to the Sheepshead Minnow SOP (TST-028.01, Rev. 1, 1/18/22) incorrectly states silversides in multiple places in the SOP.<br><br>**AEX Evaluation: The Corrective Action Plan is Accepted.** | | CAR 22029 (attached) Expected Completion 10/15/22 |
| 4. | TNI V1M2, 4.2.8.5(c) – Each SOP does not clearly indicate the effective date and revision number of the document. Examples include but are not necessarily limited to:<br>A. Some SOPs do not include an effective date in the header or footer (e.g., TST-003.04, TST-006.04, PRO-008.04, PRO-014.01, PRO-019.02, PRO-021.05, PRO-022.02, DAT-001.04, DAT-002.03).<br>B. The laboratory revised SOP PRO-021 and updated the revision number from Revision 4 to Revision 5 in the electronic file name (from PRO-021.04 to PRO-021.05) but did not update the revision number in the SOP header. Revision 5 of this SOP states Revision 4 in the header. | | CAR 22030 (attached) Expected Completion 06/01/23 Revised CAR See Comment section |

SIGNATURE: _____ 11/07/22

Responsible Official
(Technical Director, QA Officer, or Manager)

DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Hydrosphere Research Environmental Services, Inc. | E82295 | July 13-14, 2022 | Jack Farrell – AEX |

PARAMETERS SURVEYED:

Non-Potable Water – Toxicity; Solid and Chemical Materials - Toxicity

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| | C. The laboratory revised SOP TST-004 and updated the revision number from Revision 3 to Revision 4 in the SOP header but did not update the effective date. Revision 4 of this SOP has the same effective date as the obsolete Revision 3.<br><br>**AEX Evaluation: The Corrective Action Plan is Not Accepted.** The plan does not address ensuring that when an SOP is revised that its revision number is updated. The plan does not address clearly stating the effective date of the revision in the SOP. The plan indicates that the laboratory will now use the original date of the SOP as the effective date, not the revision date, in the document header. However, the date listed in the header is not defined (e.g., effective date of which version). The plan does not address revising the document control system with the new procedure. The plan does not state that all SOPs applicable to TNI accreditation will be reviewed and revised, as necessary, to follow the updated system for stating the effective date of the original and revised versions. The plan does not address monitoring the corrective action to assure its implementation and effectiveness.<br><br>Please see the AEX Evaluation of Deficiency #7 below. The headers of some of the revised SOPs provided for that deficiency's corrective action plan are not consistent with the revised procedure stated for this deficiency. | |
| 5. | TNI V1M2, 4.2.8.5(e) - The laboratory is accredited for *Chironomus tentans* in Solid and Chemical Materials by EPA/600/R-099/064 (100.5) but does not have and maintain an SOP for this analyte and method.<br><br>**AEX Evaluation: The Corrective Action Plan is Accepted.** | | CAR 22031 (attached) Completed 09/15/22 |
| 6. | TNI V1M2, 4.3.2.1 – The laboratory does not have a master list or equivalent document control procedure identifying the current revision status and distribution of all management system documents. The "Master List of Controlled Documents" spreadsheet that was provided is incomplete. It does not include the MTR-019 YSI Meter SOP.<br><br>**AEX Evaluation: The Corrective Action Plan is Accepted.** | | CAR 22032 (attached) Completed 09/15/22 |
| 7. | TNI V1M2, 4.3.2.2(b), 4.2.8.5 - The laboratory does not periodically review and, where necessary, revise documents to ensure continuing suitability and compliance with applicable requirements. SOPs do not accurately reflect all phases of current laboratory | | CAR 22033 (attached) Expected |

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(Technical Director, QA Officer, or Manager)
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Please see instructions page

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

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| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Hydrosphere Research Environmental Services, Inc. | E82295 | July 13-14, 2022 | Jack Farrell – AEX |

PARAMETERS SURVEYED:

Non-Potable Water – Toxicity; Solid and Chemical Materials - Toxicity

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| | activities. SOPs have incorrect or obsolete Standard references. REPEAT DEFICIENCY. Examples include but are not necessarily limited to:<br>A. SOP PRO-011.01 (Rev. 1, Effective 1/18/17) ("Compliance with NELAC 2003 Standards") is obsolete but was provided for review. The current standard is the 2016 TNI Standard.<br>B. SOP PRO-009.03 (Rev. 3, Effective 2/21/12) - References the obsolete 2003 NELAC Standard.<br>C. SOP PRO-027.00 (Original, Effective 8/30/10) - References the obsolete 2003 NELAC Standard and an obsolete version of the Hydrosphere Research Quality Manual, June 21, 2004, Section 21.<br>D. SOP PRO-033.01 (Rev. 1, Effective 1/29/19) – References the obsolete 2003 NELAC Standard.<br>E. SOP ANL-004.03 (Rev. 3, Effective 3/18/13) - References the obsolete 2003 NELAC Standard.<br><br>**AEX Evaluation: The Corrective Action Plan is Not Accepted.** The root cause analysis in the plan states that many SOPs were changed on the server but were not implemented, but the plan does not state why they were not implemented. The plan does not state what actions the laboratory is taking to ensure that does not reoccur unless it was stated in the truncated "Actions Taken & Results" section of CAR 22033 and not visible. Please provide the complete wording for this section. If the information is not in the truncated section, please provide it also. Please see the comments below for Deficiency Examples 7.A through 7.E and the associated SOPs provided for review:<br>• Example 7.A – The laboratory updated the SOP to reference the 2016 or current TNI Standard and deleted "2003" from the SOP name, but the electronic link in Section 5.1 to the FLDOH website is for the FLDOH checklists based on the obsolete 2003 NELAC Standard. The FLDOH checklists based on the 2016 TNI Standard are not available online. The laboratory is encouraged to contact FLDOH if it wants to obtain them. Note: The effective date of the revised SOP is not consistent with the corrective action plan submitted for Deficiency #4 above. The effective date was updated to 09/06/22 which is not the date of the original version of the SOP.<br>• Examples 7.B, 7.C, and 7.E – The laboratory updated the SOP to reference the 2016 or current TNI Standard.<br>• Example 7.D - The laboratory updated the SOP to reference the 2016 or current TNI Standard, but the laboratory did not update the SOP name and revision number. They are still PRO-033.01, Rev. 1. Please see the AEX Evaluation of Deficiency #4 above. | Completion 06/01/23 Revised CAR See Comment section |

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Responsible Official (Technical Director, QA Officer, or Manager) DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Hydrosphere Research Environmental Services, Inc. | E82295 | July 13-14, 2022 | Jack Farrell – AEX |

PARAMETERS SURVEYED:

Non-Potable Water – Toxicity; Solid and Chemical Materials - Toxicity

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| | | | |
| 8. | TNI V1M1, 4.3.2.2(c) – The laboratory's document control procedure does not ensure that invalid or obsolete documents are promptly removed from all points of issue or use, or otherwise assured against unintended use. The assessor was able to identify at least one obsolete SOP that was contained in the official SOP binder (i.e. TST-006.03).<br><br>**AEX Evaluation: The Corrective Action Plan is Not Accepted.** The plan does not address fixing the system to ensure that this deficiency does not reoccur. | | CAR 22034 (attached) Expected Completion 06/01/23 Revised CAR See Comment section |
| 9. | TNI V1M2, 4.2.1, 4.13.2.3, 4.13.3(g)(ii) - The laboratory is not implementing proper error correction procedures as required by the Data Correction SOP (PRO-027.00, Initial, Effective 8/30/10) and the TNI Standard. In the data packages reviewed (22036 and 22038), it was observed that there were cross outs on the data sheets (bench sheets) that obliterated the data such that it was unreadable, and on other data entries, there was no reason provided for the change made.<br><br>**AEX Evaluation: The Corrective Action Plan is Not Accepted.** The root cause analysis in the plan states that personnel were not trained to state the reason for the change, but Section 2.5 of the Data Correction SOP requires it. If personnel signed the read and understand list of this SOP, they were trained to state the reason for the change. The plan does not address monitoring the corrective action to assure its implementation and effectiveness. Note: The wording in CAR 22035 is truncated in the "Recommended Action" section. Please provide the complete wording for this section. | | CAR 22035 (attached) Expected Completion 06/01/23 Revised CAR See Comment section |
| 10. | TNI V1M2, 4.3.3.3 – The laboratory's document control system does not address the amendment of documents by hand pending the re-issue of the documents. The laboratory manually amends documents prior to formally revising and re-issuing them, but the procedures and authorities for such amendments are not defined.<br><br>**AEX Evaluation: The Corrective Action Plan is Not Accepted.** The new verbiage in the Quality Manual does not clearly define the authorities allowed to make, sign, and date the amendments to documents. The plan does not state if the handwritten amendments are made to each copy of the current document (official and copies in the laboratory) so they all match or not. The plan does not indicate that personnel are trained on the manual amendments. | | CAR 22036 (attached) Completed 06/01/23 Revised CAR See Comment section |

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DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH
## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

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| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| Hydrosphere Research Environmental Services, Inc. | E82295 | July 13-14, 2022 | Jack Farrell – AEX |

PARAMETERS SURVEYED:

Non-Potable Water – Toxicity; Solid and Chemical Materials - Toxicity

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 11. | TNI V1M2, 4.13.3(a), 4.13.3(f) - The laboratory does not maintain all information necessary for the historical reconstruction of data. The record keeping system does not produce unequivocal, accurate records that document all laboratory activities such as equipment used. The laboratory does not record the unique identification of the thermometer (IR gun) used for daily temperature readings of water baths. The temperature results are not traceable to the specific IR gun used.<br><br>**AEX Response: Explanation Accepted.** | | CAR 22037 (attached) Completed 09/15/22 |
| 12. | TNI V1M2, 5.2.5 – The laboratory's records of the relevant authorization(s), competence, educational and professional qualifications, training, skills and experience of all technical personnel do not always include the date on which authorization and/or competence is confirmed. The laboratory's read and understand records for documents are incomplete (e.g., lacking signatures and dates). Examples include but are not necessarily limited to:<br>A. For the TST-028.01 SOP and TST-029.01 SOP, there is no listing for Peter M.<br>B. For the MTR-019 YSI Meter SOP, Cher N and Matthew M are not on the read and understand list.<br><br>**AEX Evaluation: The Corrective Action Plan is Accepted for Example 12.A.**<br><br>**AEX Response: Explanation Accepted for Example 12.B.** | | CAR 22038 (attached) Expected Completion 10/15/22 |

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(Technical Director, QA Officer, or Manager)

DATE





Please see instructions page

# STATE OF FLORIDA DEPARTMENT OF HEALTH

## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: EcoAnalysts, Inc. | LAB I.D. NO.: E82295 | DATE SURVEY COMPLETED: December 19-20, 2024 | SURVEYOR: Tony Francis, PhD SAW Environmental |
|---|---|---|---|
| PARAMETERS SURVEYED:<br>NON-POTABLE WATER – Toxicity<br>SOLID AND CHEMICAL MATERIALS – Toxicity | | | |

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 1. | **F.A.C 64E-1.104 (1):**<br>**laboratories shall arrange for and submit to a comprehensive on-site inspection by the Department of Health's (DOH) authorized representatives at least once every two years and at such other times the DOH deems necessary to determine continued compliance with this rule.**<br><br>The laboratory's previous assessment had been conducted July 13, 2022. This assessment had been initiated December 19, 2024, not meeting the two year requirement. | **Corrective Action Report 25001·CAR**<br>Action Taken & Results:<br>1) A calendar reminder set up in Outlook. Reminder was created on the calendars of the Lab Director (P. Meyer), QAO (R. Cox and the Lab Manager (M. Curtis).<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified on 06/15/2026 |
| 2. | **2016 TNI V1M2-4.3.1:**<br>**The laboratory shall establish and maintain procedures to control all documents that form part of its management system (internally generated or from external sources), such as regulations, standards, other normative documents, test and/or calibration methods, as well as drawings, software, specifications, instructions and manuals.**<br><br>Section 5.1 of the laboratory's quality manual stated the master list of controlled documents contains the records of approved external documents. Records of external documents could not be retrieved. | **Corrective Action Report 25002·CAR**<br>Action Taken & Results:<br>1) Annually a quality check of the master list of controlled documents will be reviewed. The "sign off" is on the Quarterly Events Log, LGB-025, second quarter.<br>2) List can now be printed off from FileMaker (see comments below). The reviewer must sign and date the printed copy and place it in the Internal Audits logbook. Scan a copy to the Archived folder listed below.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified on 05/30/2025 |

SIGNATURE: _____
Responsible Official
(Technical Director, QA Officer, or Manager)

February 17th, 2025
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: EcoAnalysts, Inc. | LAB I.D. NO.: E82295 | DATE SURVEY COMPLETED: December 19-20, 2024 | SURVEYOR: Tony Francis, PhD SAW Environmental |
|---|---|---|---|
| PARAMETERS SURVEYED:<br>NON-POTABLE WATER – Toxicity<br>SOLID AND CHEMICAL MATERIALS – Toxicity | | | |

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 3. | **2016 TNI V1M2-4.3.2.2.b:**<br>**The document procedures adopted shall ensure that documents are periodically reviewed.**<br><br>Section 5.1 of the laboratory's quality manual stated all documents were to be reviewed annually. Records indicated many documents had not been reviewed since 2022. | **Corrective Action Report 25003·CAR**<br>Action Taken & Results:<br>1) Created a "Document List" layout in FileMaker to show "Active" documents. List is reviewed, approved, printed, signed and dated by the Technical Director. The list is then put in the "Internal Audit Logbook, LGB-011 which is available to staff.<br>2) Added "Laboratory Documents" review to the Internal Audit Log. | Will be verified on 06/30/2025<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 |
| 4. | **2016 TNI V1M2-4.11.2 and 4.11.4:**<br>**The procedure for corrective action shall start with an investigation to determine the root cause(s) of the problem.**<br><br>**The laboratory shall monitor the results to ensure that the corrective actions taken have been effective.**<br><br>Corrective action records contained several instances where root cause and records for monitoring for effectiveness had not been included. | **Corrective Action Report 25004·CAR**<br>Action Taken & Results:<br>1) Rachel Cox has been assigned the duty to ensure all future CARs have a root cause analysis and are completed.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 5. | **2016 TNI V1M2-4.13.2.3:**<br>**In the case of records stored electronically, equivalent measures shall be taken to avoid loss or change of original data.**<br><br>The assessment team observed unlocked or otherwise unprotected cells containing formulas in the spreadsheet used to calculate net weight and average weight/fish. | **Corrective Action Report 25005·CAR**<br>Action Taken & Results:<br>1) The sited spreadsheet was one used for the reduction of raw data from the lab's hand recorded bench sheets.<br>2) The formulas in the spreadsheet have been locked and a notice included for the technicians who use them.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |

SIGNATURE: _____
Responsible Official
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February 17th, 2025
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: EcoAnalysts, Inc. | LAB I.D. NO.: E82295 | DATE SURVEY COMPLETED: December 19-20, 2024 | SURVEYOR: Tony Francis, PhD SAW Environmental |
|---|---|---|---|
| PARAMETERS SURVEYED: NON-POTABLE WATER – Toxicity SOLID AND CHEMICAL MATERIALS – Toxicity | | | |

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 6. | **2016 TNI V1M2-4.13.3.f.xi:**<br>**All information necessary for the historical reconstruction of data shall be maintained by the laboratory including standard and reagent origin, receipt, preparation, and use.**<br><br>Traceability could not be established in laboratory records for hardness/alkalinity strips, DPD reagent, and spiking standards for alkalinity and hardness. | **Corrective Action Report 25006·CAR**<br>Action Taken & Results:<br>1) Peter Meyer has added lot numbers for the hardness/alkalinity strips, DPD reagent, and spiking standards for alkalinity and hardness.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 7. | **2016 TNI V1M2-4.14.5.c:**<br>**The internal audit schedule shall be completed annually.**<br><br>Laboratory management stated internal audit activities had not been performed as outlined in the laboratory's procedures. Records of internal audits could not be retrieved for 2023. Report Review for Q1 2024 and System Review for Q1 and Q2 2024 could also not be retrieved. | **Corrective Action Report 25007·CAR**<br>Action Taken & Results:<br>1) Rachel Cox has been assigned the task of the internal audit schedule, and it will be completed each quarter and signed off for on the Events Log and file away in the Internal Audit Logbook, LGB-011.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 8. | **2016 TNI V1M2-4.15.3:**<br>**Management review shall be completed on an annual basis.**<br><br>Laboratory management stated management review had not been performed for 2022 and 2023. Records of management review could not be retrieved for 2022 and 2023. | **Corrective Action Report 25008·CAR**<br>Action Taken & Results:<br>1) Add the "Management Review" to the Internal Audits Logbook, LGB-011 as part of the Internal Audit: Quarterly Systems Log, page 3. Also added it to the Events checklist.<br>2) The review will be printed and added to the logbook as well as archived on the server.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified on 12/15/2025 |

SIGNATURE: _____
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February 17th, 2025
DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

**STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION**

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: | LAB I.D. NO.: | DATE SURVEY COMPLETED: | SURVEYOR: |
|---|---|---|---|
| EcoAnalysts, Inc. | E82295 | December 19-20, 2024 | Tony Francis, PhD<br>SAW Environmental |

PARAMETERS SURVEYED:
NON-POTABLE WATER – Toxicity
SOLID AND CHEMICAL MATERIALS – Toxicity

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 9. | **2016 TNI V1M2-5.2.7:**<br>**Data integrity training shall be provided as a formal part of new employee orientation and shall also be provided on an annual basis for all current employees.**<br><br>Not all employees had received the data integrity training. Laboratory management stated Cassandra Cummins had not received data integrity training. Records of this employee's training could not be retrieved. | **Corrective Action Report 25009·CAR**<br>Action Taken & Results:<br>1) Integrity Training scheduled for Cassandra the next time she is in (she is currently not schedule in until after the audit response is due)<br>2) The task has been assigned to Rachel Cox and is listed as a task on the Quarterly Events Log Checklist as well as the internal audit.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 10. | **2016 TNI V1M2-5.5.13.1.c:**<br>**On each day the equipment is used, balances, ovens, refrigerators, freezers, incubators and water baths shall be checked and documented.**<br><br>Records of balance checks could not be retrieved for the following dates: 11/25/2024 to 12/9/2024. Laboratory management stated the balance had been utilized within this time frame. | **Corrective Action Report 25010·CAR**<br>Action Taken & Results:<br>1) A second set of weights has been ordered. This will be used to calibrate a "working set" to ensure we do not miss any daily calibrations.<br>2) Created a log page for this calibration.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 11. | **2016 TNI V1M2-5.5.13.1.d.i:**<br>**If the temperature measuring device is used over a range of 10°C or less, then a single point verification within the range of use is acceptable.**<br><br>Thermometer calibration records indicated the unit used in the Aqua Freezer had been calibrated from 3°C to 78°C, not within the range of use. | **Corrective Action Report 25011·CAR**<br>Action Taken & Results:<br>1) A new NIST was ordered, and will be assigned to Rachel as part of the Annual/Quarterly Events Log to be completed. Single point verification will be used as needed.<br>2) Modified the calibration log to record a single point correction factor.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |

SIGNATURE: _____ February 17th, 2025

Responsible Official
(Technical Director, QA Officer, or Manager)

DATE

# STATE OF FLORIDA DEPARTMENT OF HEALTH

## STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

**READ INSTRUCTIONS CAREFULLY BEFORE COMPLETING**

| LABORATORY: EcoAnalysts, Inc. | LAB I.D. NO.: E82295 | DATE SURVEY COMPLETED: December 19-20, 2024 | SURVEYOR: Tony Francis, PhD SAW Environmental |
|---|---|---|---|
| PARAMETERS SURVEYED:<br>NON-POTABLE WATER – Toxicity<br>SOLID AND CHEMICAL MATERIALS – Toxicity | | | |

| (1) I.D. PREFIX TAG | (2) SUMMARY STATEMENT OF DEFICIENCIES | (3) LABORATORY'S PLAN OF CORRECTION (Each corrective action should be cross-referenced to the appropriate deficiency) | (4) COMPLETION DATE |
|---|---|---|---|
| 12. | **2016 TNI V1M2-5.5.13.1.e.iii: Mechanical devices shall be verified prior to first use and on a quarterly basis.**<br><br>Records of mechanical pipette verifications could not be retrieved for Q1 and Q2 2024. Laboratory management stated the associated pipettes had been used during these quarters. | **Corrective Action Report 25012·CAR**<br>Action Taken & Results:<br>1) Mechanical pipette verification will be completed prior to first use and verified on a quarterly basis in the Quarterly Events Log (in quarters 3/4).<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 13. | **2016 TNI V1M4-5.6.3.2: Reference materials shall, where possible, be traceable to SI units of measurement, or to certified reference materials.**<br><br>The vendor calibration certificate for the laboratory's NIST-traceable reference thermometer could not be retrieved. | **Corrective Action Report 25013·CAR**<br>Action Taken & Results:<br>1) A new NIST was ordered, and will be assigned to Rachel as part of the Annual/Quarterly Events Log to be completed.<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |
| 14. | **2016 TNI V1M7-1.7.1.6.p: [Light intensity] measurements shall be made and recorded on a yearly basis.**<br><br>**Photoperiod shall be documented at least quarterly.**<br><br>Records of light intensity checks could not be retrieved for 2023.<br><br>Records of photoperiod checks could not be retrieved for Q1, Q2, and Q3 2024. | **Corrective Action Report 25014·CAR**<br>Action Taken & Results:<br>1) Assigned light intensity and photo-period measurements to Rachel Cox. Added it to the Quarterly Checklist in the Events Log and will be filed away in Meter & Equipment Calibration Logbook, Vol2 (LGB-010).<br><br>Laboratory response likely to prevent recurrence; TF 3/15/2025 | Will be verified during the next Internal Audit ending on 03/31/2025 |

SIGNATURE: _____
Responsible Official
(Technical Director, QA Officer, or Manager)

February 17th, 2025
DATE

# STATEMENT OF DEFICIENCIES AND PLAN OF CORRECTION

PLEASE FOLLOW THESE INSTRUCTIONS:

In completing the laboratory's section of this form, you should closely observe the following:

1. Review the instructions.

2. Complete the form legibly.

3. Each deficiency is consecutively numbered with an I.D. Prefix Tag. Your plan of correction should repeat these numbers for identification of each deficiency in the I.D. Prefix Tag Column.

4. Reply to each deficiency cited by reporting the specific action you have taken to effect compliance and enter the corrective action below the deficiency. Use attachments if necessary. Enter the date it was accomplished in the Completion Date Column (4).

5. For any item which has not yet been corrected, report the specific action you intend to take to correct the deficiency. Enter the anticipated date of completion in the Completion Date Column (4).

6. You must present a realistic plan with reasonable time frames based upon the extent and nature of the deficiencies cited.

7. There should be no statements which can be construed as defaming some other party, such as another institution, employees of the institution, etc.

8. You should frame your plan of correction in language that can be readily understood by the lay person.

9. If you do not concur with any of the deficiencies stated, your rationale to support this position must be indicated on the form.

10. The form must be completed, signed and dated by a responsible official.

11. The original must be returned within thirty (30) calendar days. Retain copy for your files.

12. Failure to submit a timely reply will leave the Bureau of Public Health Laboratories no alternative except to submit a finding of non-compliance and deny or revoke certification.

# EcoAnalysts, Inc.

**Ecological Field Sampling, Biological Laboratory, and Consulting Services**

## FLORIDA LOCATION SPOTLIGHT

In 2022 EcoAnalysts acquired Hydrosphere Research, a state-certified bioassay laboratory in Alachua, FL. We specialize in toxicity assessments and offer expertise in various areas, including chronic and acute tests, toxicity identification evaluations, ion imbalance studies, sediment bioassays, and algal growth studies.

Our proficiency extends to product toxicity tests for both the US and European markets, aiding manufacturers in formulating products and ensuring regulatory compliance. EcoAnalysts is renowned for conducting Phase I, II, & III Toxicity Identification Evaluations (TIE), offering tailored solutions based on clients' unique needs and plant operations.

Additionally, we culture organisms in-house, ensuring healthier and more robust specimens for routine toxicity testing. This not only enables quick test setups but also contributes to the overall reliability of results.







## CONTACT US TODAY


EcoAnalysts, Inc.

11842 Research Circle

Alachua, FL 32615-6817

(386) 462-7889

ecoanalysts.com - sales@ecoanalysts.com


## OUR SERVICE AREAS

- **Taxonomic Services**
  - Algae
  - Algae Pigments
  - Plankton
  - Fish
  - Aquatic Invertebrates
  - Terrestrial Invertebrates
  - Harmful Algae Bloom Identification
  - Biomass & Biovolume
- **Ecotoxicology Services**
  - NPDES WET Testing
  - Sediment Bioassay
  - Bioaccumulation Potential Testing
  - Terrestrial Soil Bioassay
  - Product Testing
  - Cyanotoxin Analysis
- **Environmental Field Sampling**
  - Fisheries
  - Macroinvertebrate and plankton
  - Water Quality
  - Functional Assessment
  - Freshwater Mussels
  - Sediment
- **Ecological Support Services**
  - Assessments and Investigations
  - NEPA support
  - Contaminants of Emerging Concern
  - Design and Implement Customized Research Projects
  - Analysis of Historical Environmental Data and Report Writing

# Grace Albertson

EcoAnalysts Employee: 09/14/2023 to present (250530)

205 SE 16TH AVE, APT 31A, GAINESVILLE, FL | 7193571261
grace.albertson.art@gmail.com

## Summary

I am a senior Microbiology and Cell Sciences major within the University of Florida with a high interest in health fields for the scientific aspect and applications in helping others. My past work experience has provided me with a strong work ethic, leadership skills, and communicational skills.

## Experience

**Le Macaron French Pastries | FL, Gainesville**
**Assitant Manager | 07/2022 - Present**

- Maintained inventory and organization of goods within the store.
- Communicated with employees to build a strong team and handle problems efficiently.
- Managed events and networked to create a strong customer basis
- Trained incoming staff and organized employee schedules
- Food Safety Certified

**Le Macaron French Pastries | FL, Gainesville**
**Sales Associate | 06/2021 - 07/2022**

- Stocked items and completed both food sales and made coffees.
- Responsibly handled food with care, following safety guidelines.
- Established personal connections with customers, exceeding customer service expectations

## Skills

Leadership, Organizational skills, Computer literacy, Problem-solving

## Education

**University of Florida | Gainesville, FL**
**Bachelor of Science in Microbiology & Cell Science | 12/2023**

- 3.66 GPA
- Completed courses in microbiology, plant molecular genetics, human parasitology, organic chemistry, and python programming for bioinformatics.
- Volunteered in the Florida Museum of Natural History with fossil excavation.
- Experience within microbiology lab with gram staining, DNA amplification, microscopy, ELISA, and rudimentary diagnostics.
- Blood-borne pathogens training
- Biosafety training (CITI)

**Osceola County School for the Arts | Kissimmee, FL**
**High-School Diploma | 05/2021**

- 3.87 Unweighted GPA
- AP Capstone Scholar
- Dual Enrollment Student
- Arts Ambassador Volunteer
- President of the National Art Honor's Society
- Bright Futures Scholar

# Gonzalo A. Vargas Godoy

***2006 NW 55th Ave, #G12***
***Gainesville FL 32653***
***(407) 576-9812 (c)***
***gonzalo.vg27@yahoo.com***

## Summary:

Strong background in laboratory techniques, microbiology analysis, biomass solid tests, and protein extraction and analysis. Familiarized with standard laboratory equipment and aseptic techniques during culture preparation and media/stock solution preparation. I also have experience in field water sampling and analysis, record keeping, and data analysis. I'm an open-minded person, bilingual (Spanish and English), responsible, punctual, have good interpersonal skills with a positive and friendly attitude, can work under pressure, quick learner who enjoy challenges and multitask. Flexible work schedule, including nightshift and weekends. I like to bring ideas to the team and have good work ethics. Good computer skills in both hardware and software.

## Education:

University of Puerto Rico, Humacao Campus (Dec 2015)

- *Bachelor Degree in Science with a major in Microbiology.*

## Job History:

**Deibel Laboratories** Gainesville, FL
*Microbiology Lab Manager* (Sep 2020 –2022)

- Contact clients about the testing and release of results.
- Manage and supervise the processing of client samples.
- Data entering using the LIMS system.
- Perform revisions and help maintain proper documentation.
- Perform training sessions.
- Perform pathogenic detection with the use of IQ check Prep Biorad PCR, Thermocycler PCR, BAX Hygiena PCR and BioMerieux Vidas 30 equipment.
- Perform validation testing on food processing plants.

*Microbiology Tech II* (Dec 2018 – Sep 2020)

- Perform daily laboratory equipment calibrations and environmental monitoring.
- Receive, document and test client samples for detection of pathogenic and indicator bacteria.
- Media preparation and use.
- Perform sensory analysis on samples.
- Perform water activity and moisture analysis.
- Perform sterility checks and efficacy on media.
- Perform plate reading on results.
- Inventory checking.

**Parabel USA** Fellsmere, FL

*Quality Control Technician* (Feb 2017 – May 2018)

- Measure moisture percentages using Loss-on Drying methods.
- Measure protein percentages using Near Infrared analyzers.
- Perform microbial inoculations and incubations for Aerobic Bacteria, Yeats & Mold and Coliforms analysis.
- Perform sanitizer testing.
- Biomass Total Solid and Ash analysis.
- Prepare SOPs.
- Perform air, swab and surface contact environmental tests.
- Perform lab equipment calibrations.
- Perform observations and analysis using the microscope.
- Sample preparation for sensory analysis.
- Perform quality control, record keeping, and data analysis.
- Water activity monitoring
- Pre-Operational and Post-Operational Inspections.
- ATP monitoring for Cleanliness

*Growth/Engineering Team Assistant* (Jan 2017 – Feb 2017)

- Preparation of Lemna samples and perform quality control tests.
- Perform water quality tests such as: pH, temperature, alkalinity, EC, TDS, DO and ORP.
- Measure wind speed and temperature using the anemometer.
- Fertilizer add-backs and inventory.
- Assist in Lemna harvesting.
- Assist in plumbing installation
- Assist in Automation and Control installation

**Proterro** Orlando, FL

*Microbiologist Laboratory Technician* (Jun 2016 – Nov 2016 )

- Biomass Total Solid and Ash determination, Protein Extraction and Analysis using Spectrophotometer.
- Algae bench scale photo bioreactor operation and sampling.
- Outdoor algae pilot plant photo bioreactor media and biomass sample collection and analysis.
- Performed water quality and media analysis such as: pH, alkalinity, EC, TDS, turbidity, nitrate, iron, copper, and ORP.
- Preparation of culture media and stock solutions.
- Sample preparation and preservation using the Cryopreservation method.
- Use of ozonation and autoclave techniques for sterilization.
- Sample preparation, observation and analysis using the microscope.
- Nutrient agar and plate preparation.
- Performed quality control, record keeping, and data analysis.
- GMP trained.

***McNeil (Pharmaceutics)*** Humacao, PR
*Business Improvement & Transformation* (Aug 2015 – Dec 2015)

- Prepare reports and graphs using collected data.
- Improve Time Usage and efficiency of SOPs.
- Prepare Power Point Presentations of results.

## University of PR Involvement:

Biology Student Association
"Member"
Microbiology Student Association (CEM)
"Member"
Scientific Research on "Domestic animals and their effects on humans"
"Volunteer"

## References:

Conrad Redlitz
OPS Manager
Deibel Laboratories
(904) 955-3407

Carl Glenn
COE Special Project Manager
Deibel Laboratories
CGlenn@DeibelLabs.com
(352) 213-3822

Hector Cumba
Biosystem Engineer Director
Parabel USA
hcumba@parabel.com
321-759-3069

Carolyn Lindsell
Quality Manager
Parabel USA
clindsell@parabel.com
321-586-9457

**M. City of Ormond Beach Bid Forms**

**City of Ormond Beach**
**22 South Beach Street**
**Ormond Beach, Florida 32174**
**Telephone (386) 676-3223**

# INVITATION TO BID

## BIDDER ACKNOWLEDGEMENT FORM

**THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR BID**

**Bid Title: Laboratory Testing Services**

**Bid Number: 2025-47**

**Bid Opening Date & Time: 06/12/2025 @ 2:00 PM**

**Bid Opening Location: City Hall Training Room (breezeway)**

**Pre-Bid Meeting Date & Time: NA**

**Pre-Bid Meeting location: NA**

**Deadline for questions: 06/02/2025 @ 4:00 PM**

**Bids received after the above date and time will not be accepted.**

**Bidder's Name:** Pace Analytical Services, LLC

**Bidder's Mailing Address:** 8 East Tower Circle

**City, State, Zip Code:** Ormond Beach, FL 32174

**F.E.I.N:** 41-1821617

**Phone Number:** 386-672-5668 Office, cell 813-340-8100

**Email:** Mike.Valder@pacelabs.com

**If returning as "No Bid", please state the reason(s):**

I certify that this Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid for the same materials, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this Bid and certify that I am authorized to sign this Bid for the Bidder. In submitting a Bid to the City of Ormond Beach, the Bidder offers and agrees that if the Bid is accepted, the Bidder will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may

now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Bidder.

AUTHORIZED SIGNATURE

David Chaffman

NAME

Director of Sales

TITLE

06/13/25

DATE

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Bid on a contract to provide any goods or services to a public entity, may not submit a Bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit Bids on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS.** The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**NOTIFICATION OF BIDS AND RFP'S:** The City uses the services of DemandStar (www.demandstar.com) for notification of its Bids and RFP's on-line on the Internet. If you have received a copy of this Bid/RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the Bid/RFP or any related addendums.

**SUBMISSION OF BIDS:** All Bids shall be submitted in a sealed envelope. The Invitation to Bid (ITB) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope. The delivery of said Bid to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Bidder. Any Bid received by the Purchasing Office after the specified date and time will not be accepted. Bids must be submitted on forms provided by the City. No other forms will be accepted. Telephone, telefax and telegraph Bids will not be considered. No Bid may be modified after opening. **No Bid may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.**

**EXECUTION OF BID:** Bid must contain a manual signature of authorized representative in the space(s) provided. Bids must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Bidder to any Bid entry must be initialed. The company name and Federal

Employer Identification Number (F.E.I.N.) or Social Security (S.S.) number shall appear in the space(s) provided.

**BID OPENING:** Bids shall be opened and the name of the Bidders and the bid amounts shall be read publicly. Bid amounts announced at the bid opening are subject to change due to math errors made by Bidders

**BID TABULATION:** Any Bidder wishing to receive a copy of the Bid tabulation is required to enclose a stamped, self-addressed envelope with their Bid response. Bid opening tabulations will be posted on DemandStar.com.

**CLARIFICATION/CORRECTION OF BID ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Bid will be furnished in writing to all prospective Bidders. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**REGISTRATION AND RISK MANAGEMENT REQUIREMENTS:** Any Vendor delivering a product or Contractor doing work for the City of Ormond Beach, on City property shall be **registered** to do business in the City of Ormond Beach and shall provide **proof of**, abide by and maintain, for the entire life of the Contractual Agreement, including any and all approved time extensions, such **insurance** as is required by City ordinance, which shall be incorporated in and made part of the contract documents. A vendor using a common carrier is exempt from this requirement. This proof of insurance will be required prior to commencement of any **on-site** work. Refer to **Exhibit A** for the City's registration and risk management requirements.

**LICENSES AND PERMITS:** The vendor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, and Local laws, rules and regulations required to perform work in accordance with the specifications.

**LOCAL VENDOR PREFERENCE:** The City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded. A Local Vendor Affidavit of Eligibility shall accompany the bid submittal to be considered valid.

**PRICING:** Firm prices shall be proposed and include FOB DESTINATION, all packing, handling, shipping charges and delivery to any point within the City of Ormond Beach to a secure area or inside

delivery. Prices shall be valid for ninety (90) days from date of Bid opening. In the event there is a discrepancy between the unit price and the extended amount, the unit price will prevail.

**COST OF BID PREPARATION:** No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the Bid, proposal or presentation.

**EQUIPMENT:** Contractor shall own and have in good repair all equipment necessary to perform the described services in particular and the equipment necessary to complete related tasks. The City will not provide any equipment to do this work.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Bids containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes. The Contractor is responsible for paying any and all taxes associated with this agreement.

**DISCOUNTS:** All discounts EXCEPT THOSE FOR PROMPT PAYMENT shall be considered in determining the lowest net cost for Bid evaluation purposes. If a Bidder offers a discount, it is understood that the discount time will be computed from the date of satisfactory delivery, at the place of acceptance, and receipt of correct invoice, at the office specified, whichever occurs last.

**SILENCE OF SPECIFICATIONS:** The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Bid and the monies which may become due thereunder are <u>not</u> assignable except with the prior written approval of the City Manager or City Commission, whichever authorized the purchase.

**LIABILITY:** The vendor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the vendor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES:** The Bidder, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Bid prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**SAFETY WARRANTY:** The selling dealer, distributor, supplier, and manufacturer shall be responsible for compliance with all Federal, State and local laws, rules and regulations concerning the equipment and/or service specified and the use thereof, applicable and effective on the date of manufacture including safety and environmental standards as apply to both private industry and governmental agencies.

**WARRANTY:** The Bidder agrees that, unless otherwise specified, the services furnished under the Bid shall be covered by the most favorable commercial warranty for comparable services, and that the rights and remedies provided herein are in addition to and do not limit any rights afforded to the City of Ormond Beach by other provision of the Bid.

**AWARDS:** The City reserves the right, in its sole discretion, as the best interest of the City may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors or contractors; or to reject any and all Bids or waive any minor irregularity or technicality in the Bids received. The City is not bound to award any contract(s) based solely on lowest quoted price. The City also reserves the right to negotiate separately with competing bidders as deemed to be in the City's best interest.

**REJECTIONS RIGHTS:** The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this Bid including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this Bid at any time and to negotiate with any party prior to or after submittal of Bid.

**TERMINATION:** The City of Ormond Beach reserves the right to terminate any contract or agreement resulting from this BID at any time.

**PURCHASE ORDERS:** Purchase Orders will be issued for all purchases exceeding $2,500.00.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.

(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.

(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.

(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.

(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**

**22 SOUTH BEACH STREET**

**ORMOND BEACH, FLORIDA 32174**

**(386)677-0311**

**CITYCLERK@ORMONDBEACH.ORG**

**or online at**

**https://www.ormondbeach.org/prr**

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS, AND TO WAIVE INFORMALITIES, AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

**DEFINITIONS:**

**BIDDER** - The term used herein refers to any individual, company or other entity submitting a Bid to the CITY in response to an Invitation to Bid (ITB).

**CITY/OWNER** - The terms CITY or OWNER herein refers to the City of Ormond Beach, Florida, and its duly authorized representatives.

**CONTRACT MANAGER** - The term refers to the CITY representative(s) who will be acting on the CITY's part to manage all the Contract actions.

**FURNISH** - The terms "furnish", "furnish and install", "install", and "provide" or words with similar meaning shall be interpreted, unless otherwise specifically stated, to mean "furnish and install, complete in place and ready for service".

**PROJECT** - The total construction of which the Work to be provided under the Contract Documents may be the whole, or a part as indicated elsewhere in the Contract Documents.

**PROJECT MANUAL** - The term "Project Manual" includes Bid Requirements, General Conditions, Scope of Work, Specifications, Risk Management requirements and any associated attachments.

**SPECIFICATIONS** - The term refers to those portions of the Project Manual consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain administrative details applicable thereto.

**SUPPLIER** - The term used herein refers to any individual, company or other entity supplying services pursuant to the terms, conditions, and quotations of a Bid or Proposal.

**VENDOR, CONTRACTOR, or VENDOR/CONTRACTOR** - The term(s) used herein refers to any individual, company, or other entity that is awarded a contract by the CITY, pursuant to the terms, conditions, and quotations of a bid/proposal.

**WORK** - The entire, completed job or the various separately identifiable parts thereof, required to be furnished under the Contract Documents. Work is the result of providing goods and/or services, furnishing labor and/or furnishing and incorporating materials and equipment into the construction, as required by the Contract Documents.

# City of Ormond Beach

## Laboratory Testing Services

## BID 2025-47

### VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Pace Analytical Services, LLC
COMPANY NAME

AUTHORIZED SIGNATURE

David Chaffman
NAME

Director of Sales
TITLE

06/13/25
DATE

# City of Ormond Beach

## Laboratory Testing Services

## BID 2025-47

## CITY OF ORMOND BEACH, FLORIDA

### CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
### LITIGATION STATEMENT

**1.**

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[X] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Pace Analytical Services, LLC

COMPANY NAME

AUTHORIZED SIGNATURE

David Chaffman

NAME (PRINT OR TYPE)

Director of Sales

TITLE

06/13/25

DATE

**CITY OF ORMOND BEACH**

**DRUG-FREE WORKPLACE CERTIFICATION**

**IDENTICAL OR "TIE" BID**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more Bids which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a Bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie Bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

Give each employee that engages in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) calendar days after such conviction.

Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Pace Analytical Services, LLC

COMPANY NAME

AUTHORIZED SIGNATURE

David Chaffman

NAME (PRINT OR TYPE)

06/13/25

DATE

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Director of Sales (Title) of Pace Analytical Services, LLC (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: 06/13, 20 25 Signed: _____

Entity: Pace Analytical Services, LLC. Name: David M. Chaffman

Title: Director of Sales

STATE OF: Florida COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 13th day of June, 20 25, by David M. Chaffman and who: ☒ Is personally known to me; or ☐ has produced personally known as identification.

Thomas P. Widera

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

Notary Public State of Florida
Thomas P Widera
My Commission HH 366446
Expires 2/26/2027

My commission expires: _____

***This document must be completed and returned with your Submittal***

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is David Chaffman. I am over the age of Twenty-one years old. I am the Director of Sales (Title) of Pace Analytical Services, LLC (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: 06/13, 2025

Signed: _____
Print Name: David M. Chaffman
Title: Director of Sales

SUBSCRIBED AND SWORN before me by means of [X] physical presence or [__] online notarization on the 13th day of June, 2025 by David M. Chaffman as Director of Sales on behalf of Pace Analytical Services,LLC. who is personally known to me or who has produced personally known as identification.

(Notary Seal)

Notary Public State of Florida
Thomas P Widera
My Commission HH 366446
Expires 2/26/2027

Notary Public, State of FLORIDA
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

## LOCAL VENDOR PREFERENCE

The following is taken from the Code of Ordinances, City of Ormond Beach, Chapter 2, Financial Matters, Division 3, Purchasing, Article IX, Section 2-304:

Except where otherwise provided by federal or state law or other funding source restrictions, purchases of goods and services under the Purchasing Code shall give preference to local businesses as follows:

(a) Under a competitive bid solicitation, the City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded.

(b) A *local business* shall mean a vendor that has a valid occupational license issued by the City of Ormond Beach at least one year prior to bid opening, with a physical business address located within the municipal boundaries of the City of Ormond Beach from which the vendor operates or performs business on a day-to-day basis that is a substantial component of the goods or services being offered and has provided a Local Vendor Affidavit of Eligibility at the time the bid is submitted.

(c) A *Local Vendor Affidavit of Eligibility* shall accompany the bid submittal to be considered valid and shall include, but not be limited to, the following information:

(1) A physical business and location address;

(2) A copy of current City of Ormond Beach Local Business Tax Receipt (occupational license) to verify the business location;

(3) Proof of payment of business tax and real property tax due to the City of Ormond Beach;

(4) A copy of the firm's most recent annual corporation report to the Florida Division of Corporations;

(5) Any additional information necessary to verify local status.

(d) *Exemptions:* Goods or services provided under a cooperative purchasing agreement, contracts for professional services subject to Consultants' Competitive Negotiation Act, purchases or contracts funded in whole or part by a governmental entity that does not allow local preferences, purchases made under another agency's agreements or contracts (piggybacking), purchases under emergency or sole source situations and procurements subject to formal proposals including but not limited to request for proposals (RFP) or continuing contract, and request for quotes (RFQ) versus straight competitive bids.

(e) This section shall not be deemed to require the granting of a local preference, and nothing herein prohibits the award of a contract to a non-local vendor where such award is in the public interest.

# Local Vendor Affidavit of Eligibility

I certify that my company meets all of the following qualifications to be eligible for the local vendor preference:

a. My company has a physical business address located within the municipal boundaries of the City of Ormond Beach which is used to perform business on a day-to-day basis.
b. My company holds any business (occupational) or contractor license required by the City of Ormond Beach at least one year prior to bid opening.
c. Payment of business tax and real property tax due to the City of Ormond Beach is current
d. My company is in compliance with annual reporting to the Florida Division of Corporations

Company Name: Pace Analytical Services, LLC

Address: 8 East Tower Circle, Ormond Beach, FL 32174

Business or Contractor License Number: NA

Phone Number: 772-349-7965 Fax Number: _____

Owner's Name: David M. Chaffman Signature: _____

Sworn to before me this 13th day of June 2025

Notary Public State of Florida
Thomas P Widera
My Commission HH 366446
Expires 2/26/2027

Notary Public for the State of Florida My Commission Expires _____

Notary Public Signature: Thomas P. Widera Printed Name: THOMAS P. WIDERA

**To be approved as a local bidder and receive bid preference on an eligible local project, this affidavit of eligibility, a copy of your local business or contractor license, copy of business tax/real property tax and a copy of the firm's most recent annual corporation report must be submitted with your bonafide BID package. Bid preference is provided at the City's sole discretion.**

**VENDOR DO NOT COMPLETE BELOW**

To be verified and completed by an authorized representative of the City of Ormond Beach's Purchasing Department:

**Vendor Certified by:** _____ **Date:** _____

Pace Analytical Services, LLC
Advanced Property Tax Compliance
1611 N. Interstate 35E
Suite 428
Carrollton, TX 75006-8616

First National Bank
30105 Detroit Rd.
Westlake, OH 44145

**1089**

11/6/2024

**VOID After 90 Days**

**6995885**

$49,435.04

forty-nine thousand four hundred thirty-five and 04 / 100

11/20/24

Volusia County
Tax Collector
123 W. Indiana Ave., Rm. 103
Deland, FL 32720-4602

⑈1089⑈ ⑆043318092⑆ ⑈96184428⑈

Please tear along perforated line

## *** STUB ***

Assessor : Volusia County

Print / Paid Date **11/6/2024**

BillNo: 6995885

Tax Due Date **11/20/2024**

Pace Analytical Services, LLC
Advanced Property Tax Compliance
1611 N. Interstate 35E
Suite 428
Carrollton, TX 75006-8616

1089

$49,435.04

**Volusia County**
Tax Collector
123 W. Indiana Ave., Rm. 103
Deland, FL 32720-4602

forty-nine thousand four hundred thirty-five and 04 / 100

**For all questions concerning this payment, please contact us at 972-323-0146.**

# WILL ROBERTS TAX COLLECTOR SERVING VOLUSIA COUNTY

## NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

**2024 Tangible**

**PROPERTY ADDRESS:** 8 E TOWER CIR, ORMOND BEACH, 32174

**LEGAL DESCRIPTION:**

PACE ANALYTICAL SERVICES INC
PACE ANALYTICAL SERVICES
1611 N INTERSTATE 35E STE 428
CARROLLTON, TX 75006-8616

| | |
|---|---|
| PARCEL: | 6995885 |
| ALTERNATE KEY : | 6995885 |
| MILLAGE CODE: | 201 |
| TAX YEAR: | 2024 |

**Pay Online**

PAY IN U.S. DOLLARS DRAWN FROM A U.S. BANK.

**Pay online at vctaxcollector.org/pay**
**WALK-IN CUSTOMERS PLEASE BRING ENTIRE NOTICE**

**TAXES BECOME DELINQUENT APRIL 1**

| If Postmarked By | Nov 30, 2024 | Dec 31, 2024 | Jan 31, 2025 | Feb 28, 2025 | Mar 31, 2025 |
|---|---|---|---|---|---|
| Discount | 4% | 3% | 2% | 1% | |
| Please Pay | $49,435.04 | $49,949.99 | $50,464.93 | $50,979.88 | $51,494.83 |

**AD VALOREM TAXES**

| TAXING AUTHORITY | MILLAGE | ASSESSED VALUE | EXEMPTION | TAXABLE VALUE | TAX AMOUNT |
|---|---|---|---|---|---|
| VOLUSIA COUNTY GENERAL FUND | 3.20070 | 3,202,105 | 25,000 | 3,177,105 | 10,168.96 |
| VOLUSIA COUNTY PUBLIC SAFETY FUND | 1.59940 | 3,202,105 | 25,000 | 3,177,105 | 5,081.46 |
| VOLUSIA COUNTY LIBRARY | 0.38910 | 3,202,105 | 25,000 | 3,177,105 | 1,236.21 |
| VOLUSIA FOREVER | 0.20000 | 3,202,105 | 25,000 | 3,177,105 | 635.42 |
| VOLUSIA ECHO | 0.20000 | 3,202,105 | 25,000 | 3,177,105 | 635.42 |
| VOLUSIA COUNTY MOSQUITO CONTROL | 0.16470 | 3,202,105 | 25,000 | 3,177,105 | 523.27 |
| PONCE INLET PORT AUTHORITY | 0.06920 | 3,202,105 | 25,000 | 3,177,105 | 219.86 |
| SCHOOL | 5.28500 | 3,202,105 | 25,000 | 3,177,105 | 16,791.00 |
| ORMOND BEACH | 4.09600 | 3,202,105 | 25,000 | 3,177,105 | 13,013.42 |
| ORMOND BEACH I&S 2010 | 0.06500 | 3,202,105 | 25,000 | 3,177,105 | 206.51 |
| ST JOHNS WATER MANAGEMENT DIST | 0.17930 | 3,202,105 | 25,000 | 3,177,105 | 569.65 |
| FLORIDA INLAND NAVIGATION DIST | 0.02880 | 3,202,105 | 25,000 | 3,177,105 | 91.50 |
| HALIFAX HOSPITAL AUTHORITY | 0.73090 | 3,202,105 | 25,000 | 3,177,105 | 2,322.15 |

**TOTAL MILLAGE RATE:** 16.20810 **TOTAL TAXES:** $51,494.83

**NON-AD VALOREM ASSESSMENTS**

| LEVYING AUTHORITY | TELEPHONE | RATE PER UNIT | AMOUNT |
|---|---|---|---|

**TOTAL ASSESSMENTS:** $0.00

**TOTAL COMBINED TAXES AND ASSESSMENTS:** $51,494.83

PLEASE RETAIN TOP PORTION FOR YOUR RECORDS

**Will Roberts - Tax Collector**
123 W. Indiana Ave., Room 103
DeLand, FL 32720
(386) 736-5938 | taxcollector@vctaxcollector.org
**PAY IN U.S. DOLLARS DRAWN ON A U.S. BANK**

**Pay online at vctaxcollector.org/pay**
**2024 Tangible**

| | |
|---|---|
| PARCEL: | 6995885 |
| ALTERNATE KEY : | 6995885 |
| TAX YEAR: | 2024 |

**PROPERTY ADDRESS:**

8 E TOWER CIR, ORMOND BEACH, 32174

PACE ANALYTICAL SERVICES INC
PACE ANALYTICAL SERVICES
1611 N INTERSTATE 35E STE 428
CARROLLTON, TX 75006-8616

**Please do not staple, tape, or paperclip your payment to this stub. TAXES BECOME DELINQUENT APRIL 1**

| If Postmarked By | Nov 30, 2024 | Dec 31, 2024 | Jan 31, 2025 | Feb 28, 2025 | Mar 31, 2025 |
|---|---|---|---|---|---|
| Please Pay | $49,435.04 | $49,949.99 | $50,464.93 | $50,979.88 | $51,494.83 |

TaxSys

**PLEASE DO NOT WRITE ON THIS STUB**

## Important information – Please read carefully

The statement, **"Prior year taxes are due. Please call (386) 736-5938."** indicates that the parcel has delinquent prior year taxes. Certified funds are required.

**Current year taxes become delinquent on April 1.** On April 1, all delinquent parcels are assessed a minimum charge of 3% in accordance with Florida Statute. Delinquent real estate parcels will incur advertising and auction listing fees. **A tax certificate (lien) also will be sold by June 1.** Payment must be made in certified funds after a tax certificate is issued. Delinquent tangible parcels will incur an advertising fee, the cost of collection will be assessed, and **a warrant will be issued by June 1**. If the tangible bill remains unpaid, the property will become subject to **seizure and sale at public auction.**

If this parcel or tangible personal property has been sold, please send this bill to the new owner or return it to the Volusia County Tax Collector. For tangible personal property, **if you were the owner as of January 1 of the tax year**, you may be responsible for paying the taxes **even if you have closed the business**.

**Notice to taxpayers entitled to homestead exemption:** If your income is low enough to meet certain conditions, and the total mortgages and liens against the parcel are low enough, **you may qualify for a deferred tax payment plan** on homestead property. Deferral of taxes does not excuse the debt. The deferred amount will earn interest and **must be paid at a later date.** Information and application to determine eligibility are available at any Tax Collector office location.

**Prepayment of estimated tax by installment method:** Under certain conditions, taxes may be prepaid for the **future tax year** by quarterly installments billed in June, September, December, and March. If interested, please submit an application to the Tax Collector office by **April 30**. Installment applications can be found online at vctaxcollector.org/pay. To obtain a paper application, please visit vctaxcollector.org/taxes or visit any Tax Collector office location. It is not necessary to reapply if you participated in the plan during the previous tax year and made timely payments.

The **taxing authorities** are responsible for setting the ad valorem millage rates. The levying authorities are responsible for setting non-ad valorem assessments.

The **Volusia County Property Appraiser** is responsible for the preparation of the current ad valorem tax roll, including the assessed value, exemptions, taxable value, assessed owner(s) name and mailing address, property address and legal description. You may reach the Property Appraiser's Office at (386) 736-5901 or vcpa@volusia.org.

The **Tax Collector** is responsible for the preparation and mailing of tax notices based on the information contained on the current tax roll certified by the Volusia County Property Appraiser and non-ad valorem assessments provided by the levying authorities, and for the collection and distribution of tax dollars to the various taxing authorities.

## Important dates to remember

**March 1** Deadline to file for exemptions for the next tax year. Application is filed with the Volusia County Property Appraiser's office.

**March 31** Deadline for Working Waterfront, Affordable Rental Housing, or Homestead Tax Deferral applications for the current tax year. The application is filed with the Tax Collector.

**March 31** Last day for full payment without penalty. Also the final day for making partial payments. Unpaid balances become delinquent April 1.

**April 30** Deadline for new quarterly installment plan applications for the next tax year. Must be filed with the Tax Collector. No need to reapply if you participated in the plan during the previous tax year and made timely payments.

## Important payment information

- Please do not staple, tape, or paperclip your payment to this stub.
- Verify that the legal written line and the numerical amount of your check match and reflect the exact amount due for the period in which you are paying.
- Verify that you have signed the check made payable to: **Will Roberts - Tax Collector.**
- Please use the enclosed return envelope if you choose to mail your payment or mail to:

**Will Roberts - Tax Collector 123 W. Indiana Avenue Room 103 DeLand, FL 32720**

## Have your bill sent directly to your inbox!

Visit vctaxcollector.org/pay to sign up.

*Pace Analytical Corporate*

27036 WILL ROBERTS - TAX COLLECTOR 1126099928

Check Number: **0498652**
Date: 11/11/2024

| Invoice Number | Date | Voucher Number | Description | Amount | Discount | Paid Amount |
|---|---|---|---|---|---|---|
| 421802000610_2024 | 11/01/2024 | GP_493862 | | $31,777.30 | $0.00 | $31,777.30 |

| | | | |
|---|---|---|---|
| TOTALS: | $31,777.30 | $0.00 | $31,777.30 |

*Pace Analytical Corporate*

27036 WILL ROBERTS - TAX COLLECTOR 1126099928

Check Number: **0498652**
Date: 11/11/2024

| Invoice Number | Date | Voucher Number | Description | Amount | Discount | Paid Amount |
|---|---|---|---|---|---|---|
| 421802000610_2024 | 11/01/2024 | GP_493862 | | $31,777.30 | $0.00 | $31,777.30 |

| | | | |
|---|---|---|---|
| TOTALS: | $31,777.30 | $0.00 | $31,777.30 |

TAC(TM) msmith CDD 16E66-E697F6-FB02-C 11/11/2024

*Pace Analytical Corporate*
*2665 Long Lake Road*
*Bldg. C STE 300*
*Roseville, MN 55113*

Check Number: **0498652**
JPMorgan Chase Bank, N.A.
Milwaukee, WI
Milwaukee, WI
12-1/750

| DATE | AMOUNT |
|---|---|
| Nov 11, 2024 | $31,777.30 |

Pay Thirty One Thousand Seven Hundred Seventy Seven Dollars and 30 Cents

To The Order Of:

WILL ROBERTS - TAX COLLECTOR
1845 HOLSONBACK DRIVE
SUITE 300
DAYTONA BEACH, FL 32117

# WILL ROBERTS TAX COLLECTOR SERVING VOLUSIA COUNTY

## NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

**2024 Real Estate**

**PROPERTY ADDRESS:** 8 E TOWER CIR, ORMOND BEACH, 32174

**LEGAL DESCRIPTION:** LOT 61 & W 155.29 FT OF LOT 62 AIRPORT BUSINESS PARK PHASE I I MB 43 PGS 29-30 INC PER OR
See Additional Legal on Tax Roll

PACE ANALYTICAL SERVICES LLC
2665 LONG LAKE RD STE 300
ROSEVILLE, MN 55113

VID# 27036
GL: 21030-35-000
Pay - $31,777.30 by 11/30/2024

| | |
|---|---|
| PARCEL: | 421802000610 |
| ALTERNATE KEY : | 5142108 |
| MILLAGE CODE: | 201 |
| TAX YEAR: | 2024 |

**Pay Online**

PAY IN U.S. DOLLARS DRAWN FROM A U.S. BANK.

**Pay online at vctaxcollector.org/pay**
**WALK-IN CUSTOMERS PLEASE BRING ENTIRE NOTICE**

**TAXES BECOME DELINQUENT APRIL 1**

| If Postmarked By | Nov 30, 2024 | Dec 31, 2024 | Jan 31, 2025 | Feb 28, 2025 | Mar 31, 2025 |
|---|---|---|---|---|---|
| Discount | 4% | 3% | 2% | 1% | |
| Please Pay | $31,777.30 | $32,108.31 | $32,439.32 | $32,770.34 | $33,101.35 |

**AD VALOREM TAXES**

| TAXING AUTHORITY | MILLAGE | ASSESSED VALUE | EXEMPTION | TAXABLE VALUE | TAX AMOUNT |
|---|---|---|---|---|---|
| VOLUSIA COUNTY GENERAL FUND | 3.20070 | 2,035,767 | 0 | 2,035,767 | 6,515.88 |
| VOLUSIA COUNTY PUBLIC SAFETY FUND | 1.59940 | 2,035,767 | 0 | 2,035,767 | 3,256.01 |
| VOLUSIA COUNTY LIBRARY | 0.38910 | 2,035,767 | 0 | 2,035,767 | 792.12 |
| VOLUSIA FOREVER | 0.20000 | 2,035,767 | 0 | 2,035,767 | 407.15 |
| VOLUSIA ECHO | 0.20000 | 2,035,767 | 0 | 2,035,767 | 407.15 |
| VOLUSIA COUNTY MOSQUITO CONTROL | 0.16470 | 2,035,767 | 0 | 2,035,767 | 335.29 |
| PONCE INLET PORT AUTHORITY | 0.06920 | 2,035,767 | 0 | 2,035,767 | 140.88 |
| SCHOOL | 5.28500 | 2,055,717 | 0 | 2,055,717 | 10,864.47 |
| ORMOND BEACH | 4.09600 | 2,035,767 | 0 | 2,035,767 | 8,338.50 |
| ORMOND BEACH I&S 2010 | 0.06500 | 2,035,767 | 0 | 2,035,767 | 132.32 |
| ST JOHNS WATER MANAGEMENT DIST | 0.17930 | 2,035,767 | 0 | 2,035,767 | 365.01 |
| FLORIDA INLAND NAVIGATION DIST | 0.02880 | 2,035,767 | 0 | 2,035,767 | 58.63 |
| HALIFAX HOSPITAL AUTHORITY | 0.73090 | 2,035,767 | 0 | 2,035,767 | 1,487.94 |

**TOTAL MILLAGE RATE:** 16.20810 **TOTAL TAXES:** $33,101.35

**NON-AD VALOREM ASSESSMENTS**

| LEVYING AUTHORITY | TELEPHONE | RATE PER UNIT | AMOUNT |
|---|---|---|---|

**TOTAL ASSESSMENTS:** $0.00

**TOTAL COMBINED TAXES AND ASSESSMENTS:** $33,101.35

PLEASE RETAIN TOP PORTION FOR YOUR RECORDS

**Will Roberts - Tax Collector**
123 W. Indiana Ave., Room 103
DeLand, FL 32720
(386) 736-5938 | taxcollector@vctaxcollector.org
**PAY IN U.S. DOLLARS DRAWN ON A U.S. BANK**

**Pay online at vctaxcollector.org/pay**
**2024 Real Estate**

| | |
|---|---|
| PARCEL: | 421802000610 |
| ALTERNATE KEY : | 5142108 |
| TAX YEAR: | 2024 |

**PROPERTY ADDRESS:**
8 E TOWER CIR, ORMOND BEACH, 32174

PACE ANALYTICAL SERVICES LLC
2665 LONG LAKE RD STE 300
ROSEVILLE, MN 55113

**Please do not staple, tape, or paperclip your payment to this stub. TAXES BECOME DELINQUENT APRIL 1**

| If Postmarked By | Nov 30, 2024 | Dec 31, 2024 | Jan 31, 2025 | Feb 28, 2025 | Mar 31, 2025 |
|---|---|---|---|---|---|
| Please Pay | $31,777.30 | $32,108.31 | $32,439.32 | $32,770.34 | $33,101.35 |

TaxSys

**PLEASE DO NOT WRITE ON THIS STUB**

## Important information – Please read carefully

The statement, **"Prior year taxes are due. Please call (386) 736-5938."** indicates that the parcel has delinquent prior year taxes. Certified funds are required.

**Current year taxes become delinquent on April 1.** On April 1, all delinquent parcels are assessed a minimum charge of 3% in accordance with Florida Statute. Delinquent real estate parcels will incur advertising and auction listing fees. **A tax certificate (lien) also will be sold by June 1.** Payment must be made in certified funds after a tax certificate is issued. Delinquent tangible parcels will incur an advertising fee, the cost of collection will be assessed, and **a warrant will be issued by June 1.** If the tangible bill remains unpaid, the property will become subject to **seizure and sale at public auction.**

If this parcel or tangible personal property has been sold, please send this bill to the new owner or return it to the Volusia County Tax Collector. For tangible personal property, **if you were the owner as of January 1 of the tax year**, you may be responsible for paying the taxes **even if you have closed the business**.

**Notice to taxpayers entitled to homestead exemption:** If your income is low enough to meet certain conditions, and the total mortgages and liens against the parcel are low enough, **you may qualify for a deferred tax payment plan** on homestead property. Deferral of taxes does not excuse the debt. The deferred amount will earn interest and **must be paid at a later date.** Information and application to determine eligibility are available at any Tax Collector office location.

**Prepayment of estimated tax by installment method:** Under certain conditions, taxes may be prepaid for the **future tax year** by quarterly installments billed in June, September, December, and March. If interested, please submit an application to the Tax Collector office by **April 30**. Installment applications can be found online at vctaxcollector.org/pay. To obtain a paper application, please visit vctaxcollector.org/taxes or visit any Tax Collector office location. It is not necessary to reapply if you participated in the plan during the previous tax year and made timely payments.

The **taxing authorities** are responsible for setting the ad valorem millage rates. The levying authorities are responsible for setting non-ad valorem assessments.

The **Volusia County Property Appraiser** is responsible for the preparation of the current ad valorem tax roll, including the assessed value, exemptions, taxable value, assessed owner(s) name and mailing address, property address and legal description. You may reach the Property Appraiser's Office at (386) 736-5901 or vcpa@volusia.org.

The **Tax Collector** is responsible for the preparation and mailing of tax notices based on the information contained on the current tax roll certified by the Volusia County Property Appraiser and non-ad valorem assessments provided by the levying authorities, and for the collection and distribution of tax dollars to the various taxing authorities.

## Important dates to remember

**March 1** Deadline to file for exemptions for the next tax year. Application is filed with the Volusia County Property Appraiser's office.

**March 31** Deadline for Working Waterfront, Affordable Rental Housing, or Homestead Tax Deferral applications for the current tax year. The application is filed with the Tax Collector.

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## Important payment information

- Please do not staple, tape, or paperclip your payment to this stub.
- Verify that the legal written line and the numerical amount of your check match and reflect the exact amount due for the period in which you are paying.
- Verify that you have signed the check made payable to: **Will Roberts - Tax Collector.**
- Please use the enclosed return envelope if you choose to mail your payment or mail to:

**Will Roberts - Tax Collector 123 W. Indiana Avenue Room 103 DeLand, FL 32720**

## Have your bill sent directly to your inbox!

Visit vctaxcollector.org/pay to sign up.

*Pace Analytical Corporate*

27036 WILL ROBERTS - TAX COLLECTOR 1126099927

Check Number: **0498651**
Date: 11/11/2024

| Invoice Number | Date | Voucher Number | Description | Amount | Discount | Paid Amount |
|---|---|---|---|---|---|---|
| 421802000620_2024 | 11/01/2024 | GP_493814 | | $13,895.83 | $0.00 | $13,895.83 |

| | | | |
|---|---|---|---|
| TOTALS: | $13,895.83 | $0.00 | $13,895.83 |

*Pace Analytical Corporate*

27036 WILL ROBERTS - TAX COLLECTOR 1126099927

Check Number: **0498651**
Date: 11/11/2024

| Invoice Number | Date | Voucher Number | Description | Amount | Discount | Paid Amount |
|---|---|---|---|---|---|---|
| 421802000620_2024 | 11/01/2024 | GP_493814 | | $13,895.83 | $0.00 | $13,895.83 |

| | | | |
|---|---|---|---|
| TOTALS: | $13,895.83 | $0.00 | $13,895.83 |

TAC(TM) msmith CDD 16E66-E697F6-FB02-01 11/11/2024

*Pace Analytical Corporate*
*2665 Long Lake Road*
*Bldg. C STE 300*
*Roseville, MN 55113*

Check Number: **0498651**
JPMorgan Chase Bank, N.A.
Milwaukee, WI
Milwaukee, WI
12-1/750

Pay Thirteen Thousand Eight Hundred Ninety Five Dollars and 83 Cents

| DATE | AMOUNT |
|---|---|
| Nov 11, 2024 | $13,895.83 |

To The Order Of:

WILL ROBERTS - TAX COLLECTOR
1845 HOLSONBACK DRIVE
SUITE 300
DAYTONA BEACH, FL 32117

# WILL ROBERTS TAX COLLECTOR SERVING VOLUSIA COUNTY

## NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

**2024 Real Estate**

**PROPERTY ADDRESS:** 6 E TOWER CIR, ORMOND BEACH, 32174

**LEGAL DESCRIPTION:** LOT 62 EXC W 155.29 FT AIRPORT BUSINESS PARK PHASE II MB 43 PGS 29-30 INC PER OR 4138 PG 4
See Additional Legal on Tax Roll

PACE ANALYTICAL SERVICES LLC
1800 ELM ST SE
MINNEAPOLIS, MN 55414

VID# 27036
GL: 21030-35-000
Pay - 13,895.83 by 11/30/2024

| | |
|---|---|
| PARCEL: | 421802000620 |
| ALTERNATE KEY : | 5142116 |
| MILLAGE CODE: | 201 |
| TAX YEAR: | 2024 |

**Pay Online**

PAY IN U.S. DOLLARS DRAWN FROM A U.S. BANK.

**Pay online at vctaxcollector.org/pay**
**WALK-IN CUSTOMERS PLEASE BRING ENTIRE NOTICE**

**TAXES BECOME DELINQUENT APRIL 1**

| If Postmarked By | Nov 30, 2024 | Dec 31, 2024 | Jan 31, 2025 | Feb 28, 2025 | Mar 31, 2025 |
|---|---|---|---|---|---|
| Discount | 4% | 3% | 2% | 1% | |
| Please Pay | $13,895.83 | $14,040.58 | $14,185.32 | $14,330.07 | $14,474.82 |

**AD VALOREM TAXES**

| TAXING AUTHORITY | MILLAGE | ASSESSED VALUE | EXEMPTION | TAXABLE VALUE | TAX AMOUNT |
|---|---|---|---|---|---|
| VOLUSIA COUNTY GENERAL FUND | 3.20070 | 882,401 | 0 | 882,401 | 2,824.30 |
| VOLUSIA COUNTY PUBLIC SAFETY FUND | 1.59940 | 882,401 | 0 | 882,401 | 1,411.31 |
| VOLUSIA COUNTY LIBRARY | 0.38910 | 882,401 | 0 | 882,401 | 343.34 |
| VOLUSIA FOREVER | 0.20000 | 882,401 | 0 | 882,401 | 176.48 |
| VOLUSIA ECHO | 0.20000 | 882,401 | 0 | 882,401 | 176.48 |
| VOLUSIA COUNTY MOSQUITO CONTROL | 0.16470 | 882,401 | 0 | 882,401 | 145.33 |
| PONCE INLET PORT AUTHORITY | 0.06920 | 882,401 | 0 | 882,401 | 61.06 |
| SCHOOL | 5.28500 | 915,096 | 0 | 915,096 | 4,836.28 |
| ORMOND BEACH | 4.09000 | 882,401 | 0 | 882,401 | 3,614.31 |
| ORMOND BEACH I&S 2010 | 0.06500 | 882,401 | 0 | 882,401 | 57.36 |
| ST JOHNS WATER MANAGEMENT DIST | 0.17930 | 882,401 | 0 | 882,401 | 158.21 |
| FLORIDA INLAND NAVIGATION DIST | 0.02880 | 882,401 | 0 | 882,401 | 25.41 |
| HALIFAX HOSPITAL AUTHORITY | 0.73090 | 882,401 | 0 | 882,401 | 644.95 |

**TOTAL MILLAGE RATE:** 16.20810 **TOTAL TAXES:** $14,474.82

**NON-AD VALOREM ASSESSMENTS**

| LEVYING AUTHORITY | TELEPHONE | RATE PER UNIT | AMOUNT |
|---|---|---|---|

**TOTAL ASSESSMENTS:** $0.00

**TOTAL COMBINED TAXES AND ASSESSMENTS:** $14,474.82

PLEASE RETAIN TOP PORTION FOR YOUR RECORDS

**Will Roberts - Tax Collector**
123 W. Indiana Ave., Room 103
DeLand, FL 32720
(386) 736-5938 | taxcollector@vctaxcollector.org
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**2024 Real Estate**

| | |
|---|---|
| PARCEL: | 421802000620 |
| ALTERNATE KEY : | 5142116 |
| TAX YEAR: | 2024 |

**PROPERTY ADDRESS:**
6 E TOWER CIR, ORMOND BEACH, 32174

PACE ANALYTICAL SERVICES LLC
1800 ELM ST SE
MINNEAPOLIS, MN 55414

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TaxSys

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**Will Roberts - Tax Collector 123 W. Indiana Avenue Room 103 DeLand, FL 32720**

## Have your bill sent directly to your inbox!

Visit vctaxcollector.org/pay to sign up.

**City of Ormond Beach**
22 S. Beach Street, Room 104
Ormond Beach, FL 32174
btonline@ormondbeach.org

# BUSINESS TAX RECEIPT

| | |
|---|---|
| **Business Name:** | PACE ANALYTICAL SERVICES, LLC |
| **Business Location:** | 8 E TOWER CIR<br>ORMOND BEACH, FL 32174-8759 |
| **Owner:** | Pace Analytical |
| **License Number:** | 28100 |
| **Issued Date:** | 10/19/2024 |
| **Expiration Date:** | 9/30/2025 |

| | |
|---|---|
| **Mailing Address:** | 6 E TOWER CIR<br>ORMOND BEACH, FL 32174-8759 |
| **License Type:** | Non-Residential |
| **Classification:** | Business/Professional Services |
| **Fees Paid:** | $52.50 |

Attention commercial locations, the following certification applies to all new and renewed business tax receipts:

I certify under oath with a penalty of perjury, that all of the information contained herein is true and correct. If any portion is found to be false or misrepresented, such fact may be just cause for immediate revocation of any business tax receipt/registration issued to me and may subject me to prosecution. I acknowledge that the issuance of this business tax receipt is contingent upon complying with the building and fire prevention requirements of the City. I consent to inspection of the property by the City at any time between 9:00 a.m. and 5:00 p.m. Inspections will be performed, and should deficiencies be found that are in conflict with the City code, I understand that the City will not issue the business tax receipt until I (or the owner of the building, if leased) make the required corrections. I understand That should corrections be necessary, I am not permitted to operate this business until those corrections have been made. It is further understood that I must comply with the code of the City of Ormond Beach and failure to correct conditions which are in violation is punished under the code or sufficient cause for revocation of my business tax receipt/registration. I understand that if I engage in a business under a fictitious name, I must comply with the fictitious name statute.

Subject to Code of Ordinances Chapter 12 - This receipt must be posted conspicuously in your place of business. Penalty for failure to do so.

**TO BE POSTED IN A CONSPICUOUS PLACE**

**City of Ormond Beach**
22 S. Beach Street, Room 104
Ormond Beach, FL 32174
btonline@ormondbeach.org

# BUSINESS TAX RECEIPT

| | |
|---|---|
| **Business Name:** | PACE ANALYTICAL SERVICES, LLC |
| **Business Location:** | 8 EAST TOWER CIRCLE<br>ORMOND BEACH, FL 32174 |
| **Owner:** | Pace Analytical |
| **License Number:** | 28125 |
| **Issued Date:** | 10/19/2024 |
| **Expiration Date:** | 9/30/2025 |
| **Mailing Address:** | 8 E TOWER CIR<br>ORMOND BEACH, FL 32174-8759 |
| **License Type:** | Non-Residential |
| **Classification:** | Business/Professional Services |
| **Fees Paid:** | $72.50 |

Attention commercial locations, the following certification applies to all new and renewed business tax receipts:

I certify under oath with a penalty of perjury, that all of the information contained herein is true and correct. If any portion is found to be false or misrepresented, such fact may be just cause for immediate revocation of any business tax receipt/registration issued to me and may subject me to prosecution. I acknowledge that the issuance of this business tax receipt is contingent upon complying with the building and fire prevention requirements of the City. I consent to inspection of the property by the City at any time between 9:00 a.m. and 5:00 p.m. Inspections will be performed, and should deficiencies be found that are in conflict with the City code, I understand that the City will not issue the business tax receipt until I (or the owner of the building, if leased) make the required corrections. I understand That should corrections be necessary, I am not permitted to operate this business until those corrections have been made. It is further understood that I must comply with the code of the City of Ormond Beach and failure to correct conditions which are in violation is punished under the code or sufficient cause for revocation of my business tax receipt/registration. I understand that if I engage in a business under a fictitious name, I must comply with the fictitious name statute.

Subject to Code of Ordinances Chapter 12 - This receipt must be posted conspicuously in your place of business. Penalty for failure to do so.

**TO BE POSTED IN A CONSPICUOUS PLACE**

## EXHIBIT "A"

**A. Payment and Performance Bonds**

1. Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

2. **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

   **(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

      **i.** Unless the City Manager, or designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

      **ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

3. The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

4. The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

5. The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

6. The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

7. In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

8. In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

9. The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

10. The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

### 2. Payment on Behalf of City

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph.

Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

### 3. Loss Control/Safety

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary.

The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

**4. Service Bond**

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences.

Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

### 1. General

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

### 2. Types of Insurance and Limits of Liability

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident

$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence

$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract.

ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

**D. Requirements for Certificates of Insurance**

1. With the execution of the Contract Documents, the Contractor, including service-related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

2. New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

3. If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

4. For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

5. If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

**E. Policies of Insurance**

1. Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

3. All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

## REGISTRATION REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

### Registration Requirements

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:

Copy of City Business Tax Receipt (where your business is located).

Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

### State Certified/Registered Contractors

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

# City of Ormond Beach

## Laboratory Testing Services

## Bid 2025-47

# BID RESPONSE FORM

THIS BID IS SUBMITTED TO:

Pace Analytical Services, LLC

8 East Tower Circle

Ormond Beach, FL 32174

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Room 101
Ormond Beach, Florida
32174
Phone: (386) 676-3223

The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with the CITY in the form included in the Bid Documents to complete all Work as specified or indicated in the Bid Documents for the Contract Price and within the Contract Time indicated in this Bid and in full accordance with the Bid Documents.

BIDDER certifies that he has investigated the requirements to do business in the jurisdiction where the project is located, and that he is either qualified to do business or will obtain such prequalification prior to award of the contract.

BIDDER accepts all of the terms and conditions of the General Conditions. BIDDER will sign the Agreement (Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

BIDDER has examined copies of all the Bid Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| June 4th 2025 | No. 1 |
| June 11th 2025 | No. 2 |
| | |

Receipt of all of which is hereby acknowledged.

BIDDER has examined the site and locality where the Work is to be performed, when applicable, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS BID IS SUBMITTED BY:

COMPANY NAME: Pace Analytical Services, LLC

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 8 East Tower Circle, Ormond Beach, FL 32174

PHONE NO.: 386-672-5668 EMAIL: David.Chaffman@pacelabs.com

SUBMITTER'S NAME: David Chaffman
(Typed or Printed in Ink)

TITLE: Director of Sales

**AUTHORIZED SIGNATURE**: I, _____ hereby
(Original Signature)

declare that I have read and fully understand the Invitation to Bid, including the General Conditions, Specifications and Drawings (when applicable) and that I am duly authorized to sign and submit this bid.

The CITY reserves the right to reject any and all bids, to waive informalities, and to accept any bid or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

# City of Ormond Beach

## Laboratory Testing Services

## Bid 2025-47

**GENERAL INSTRUCTIONS:**

**Bid Delivery:** Submit one (1) signed and unbound original of the complete Bid packet and one (1) electronic file in pdf format, with all required attachments, by the closing date and time. Deliver Bids to:

Rob Hart
Purchasing Coordinator
Ormond Beach City Hall
Room 101
22 South Beach Street
Ormond Beach, Florida 32174

**Make sure the bid number is clearly visible on the outside of the delivery package. Bids delivered after the time and date specified will not be accepted.** For any question regarding bid delivery contact the purchasing office at 386-676-3223 or email rob.hart@ormondbeach.org

**Technical Questions:** Submit all technical questions regarding this Bid to the City's Purchasing Coordinator, Rob Hart, by e-mailing rob.hart@ormondbeach.org.

**TERM OF AGREEMENT:**

The initial term of this Agreement shall be for a period of **one (1) year a**nd will be automatically renewed for **four (4) additional one (1) year** periods unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the Agreement.

**COST ADJUSTMENTS:**

No later than June 1, of each contract year, the Contractor may petition the City through the Contract Manager for a rate adjustment to reflect the change in the cost of doing business, as measured by fluctuations in the Consumer Price Index (CPI), All Urban Customers, published by the U.S. Department of Labor, Bureau of Labor Statistics, for the preceding July 1-June 30 period. The maximum increase for any annual period shall be four (4%) percent which will only apply to the future year, increases will not be retroactive. The adjusted rate, if approved shall take effect on October 1, of the year in which approved.

## SCOPE OF WORK:

### GENERAL

The City of Ormond Beach invites qualified laboratories to submit Bid for an annual contract for Laboratory Testing Services. The successful contractor will be required to provide not less than 90% of the analyses noted in the Bid. **Lab results provided in this contract must be from a laboratory certified by the State of Florida.**

### 1. Minimum Requirements for the Contract Laboratory

Interested laboratories are requested to specifically meet or exceed the following minimum specifications:

a. The cost of all sample containers, paperwork, coolers, shipping kits, and preservatives will be included in the cost of the sample analysis.

b. The Contract Laboratory will pay shipping charges to and from designated City pickup locations. A local contact shall be designated for pickup of samples if requested.

c. The Contract Laboratory shall be required to provide pickup of samples 7 days per week with a minimum of 8 hours of advance notification from the City. There shall be no additional charge for meeting these requirements.

d. The Contract Laboratory shall be available a minimum of 7 days per week.

e. The report delivery times for routine parameter testing must not exceed 14 calendar days. Electronic reporting in PDF or any similar format is acceptable for meeting this turn-around requirement. Hard copies of reports are to be provided upon request for wastewater test results in addition to electronic reports. Water test results will require hard copies and electronic copies. Exceptions would be granted for those analytes that require more than 14 calendar days for the analyses to be completed.

f. Report formats are to be in a standard lab format that meets NELAC requirements. In addition, special report formats include EPA, Florida Department of Environmental Protection, and Volusia County Health Department formats. The laboratory may be asked to also furnish copies of raw data records sheets, result calculations, etc. for any samples submitted. All reports are to include a copy of the Chain-of-Custody (COC) form submitted with the samples. The laboratory and any of its subcontractors must participate in EPA's Annual DMR-QA studies and report required analytes corresponding to the Ormond Beach water reclamation facility (WRF).

g. The City of Ormond Beach is to be notified prior to sending any parameter to any subcontract laboratory. It is the intent of the City that all analysis be performed by the contract laboratory to the maximum extent feasible. PERCENTAGE OF SUBCONTRACTED WORK MAY NOT EXCEED TEN PERCENT (10%) of the samples **(the 10% limit refers to the number of samples, not to the cost per sample)**.

h. All analytical methods used for analysis will be state and EPA approved methodologies as specified in NELAC requirements. These methodologies can be, but are not limited to "Standard Methods", "Manual for the Certification of Laboratories Analyzing Drinking Water", "Test Methods for the Evaluation of Solid Waste (SE-846)", "EPA POTW Sludge Sampling and Analysis Guidance Document", and Radiochemical methodologies as stated in Federal Register 40 CFR 141. Methodologies used and the MDL must be accepted by the regulatory agency requiring the samples. Oil and Grease must be analyzed using the Hexane Extraction Method.

i. A specific person shall be designated for contact with the City of Ormond Beach for consultation services either by phone or in person, if necessary.

j. Laboratory personnel must be qualified in giving testimony, depositions or court appearances if requested by the City.

k. The laboratory will have the capability to analyze samples with the following matrices: potable water, reclaimed water, wastewater, groundwater, surface water and liquid/cake biosolids.

l. At a minimum, all analytical runs of the City of Ormond Beach samples will be required to include QC checks on 10% of the samples analyzed. The QC checks must meet the stricter of method, and/or NELAC quality assurance criteria. The QC generated will be submitted with the sample report. Contract laboratory QC will be monitored using these reports as well.

m. The laboratory shall have no service contracts that were cancelled in the previous five years due to failure to provide accurate testing results.

n. The City of Ormond Beach and its staff reserve the right to visit the Contract Laboratory for a tour of the facility, both prior to the award and during the duration of the contract. Prior to visiting the Laboratory facility, the City shall provide no less than 4 days, but no more than 7 days, advance notice to the facility.

In the event the Laboratory fails to comply with the reporting and analytical requirements set forth herein, the City of Ormond Beach shall issue to the Laboratory a written warning describing such failure. Should the Laboratory's noncompliance continue for four (4) consecutive weeks, with written warnings, the City of Ormond Beach will have the option to deduct from the invoice of reports not meeting the requirement an amount equal to 10% of the invoice total. If non-compliance with the 14 calendar day turn-around time continues for eight (8) consecutive weeks, with written warnings, the City of Ormond Beach will have the option to deduct from the invoice of reports an amount equal to 20% of the invoice total. Persistent and repeated failure of the

laboratory to comply with this 14 calendar day turn-around time in any 3 month interval may be interpreted as default for the purposes of this section.

**2. Bid Requirements/Information to be Provided with Bidder's Submission**

a. Copies of current State, NELAP, and EPA certifications or other documentation that firmly establishes, to the satisfaction of the City, the certification status of the laboratory for all listed parameters must be submitted with your Bid.

b. A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs listed be shall be firm for the duration of the contract.

c. One (1) copy of the laboratory NELAC compliant "Quality Manual" shall be provided with your Bid.

d. A statement indicating the percentage of work to be subcontracted. Additionally, the statement shall also confirm that the laboratory has sufficient staffing to assume the responsibility for the testing to be performed on behalf of the City of Ormond Beach.

e. The results from the most recent previous two WP/WA/NELAC Proficiency Testing studies are to be included in your submittal.

f. Copies of the last two FDOH laboratory assessments with corrective actions taken are to be included in your submittal.

g. A description of the laboratory and its relevant prior experience, specifically as related to governmental agencies.

h. A list of four references who shall confirm instances of comparable testing performed for governmental entities. If these cannot be provided, please explain.

i. The name and resume, including employment history with the Company, of the **senior staff** individuals who will perform the testing. If the successful provider subcontracts work under this contract, the same information will be provided for the subcontract laboratory.

j. Documentation which establishes the length of time in business in the State of Florida (at least four (4) years required).

k. Laboratories with service contracts cancelled within the previous five years due to failure to provide accurate testing results are not eligible to bid.

Subcontract labs, if any, shall be required to submit information in items "a - c" and "e - g."

# City of Ormond Beach
## LABORATORY TESTING SERVICES
## Bid No. 2025-47

The BIDDER will fill in the MDL listed on the bid sheets and complete the Work, as described herein, for the following price(s):

### Reuse Effluent Analysis

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| Primary & Secondary Drinking Water Standards, including: 504.1,508.1 | Various | WW | 3 | $ 1,196.76 | $ 3,590.25 |
| 515.3, 524.2,Hg,As,Ba,Cd,Cr,Cu, | | | | | |
| Fe, Mn,Ag,Na,Zn,An,Pb,Se,Cl,F,NO3, | | | | | |
| SO4,MBAS,pH,TDS,Radium | | | | | |
| 226/228,Gross Alpha | | | SEE PERMIT | | |
| | | | | | |
| **Effluent Analysis Subtotal** | | | | $ 3,590.25 | |

### Industrial Pre Treatment

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn | 200.7 | WW | See MDL/PQL sheet provided in bid | 5 | $ 47.50 | $ 237.50 |
| Cyanide | 335.3 | WW | See MDL/PQL sheet provided in bid | 5 | $ 18.00 | $ 90.00 |
| Mercury | 1631E | WW | See MDL/PQL sheet provided in bid | 5 | $ 59.00 | $ 295.00 |
| TSS | 160.1 | WW | See MDL/PQL sheet provided in bid | 5 | $ 9.00 | $ 45.00 |
| BOD | 405.1 | WW | See MDL/PQL sheet provided in bid | 5 | $ 16.00 | $ 80.00 |
| TTO (including:624,625,608) | Various | WW | See MDL/PQL sheet provided in bid | 5 | $ 245.00 | $ 1,225.00 |
| | | | | | | |
| **Pre Treatment Subtotal** | | | | | $ 1,972.50 | |

# Wastewater

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Priority Pollutants for Effluent and Influent | Various | WW | See MDL/PQL sheet provided in bid | 2 | $442.00 | $ 884.00 |
| (including: 608, 624, 625, Cyanide, phenolics, Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, Se,Ag,Tl,Zn, Oil & Grease | SEE PERMIT | | | | | |
| 503 Sludge | Various | WW | See MDL/PQL sheet provided in bid | 4 | $ 140.00 | $ 560.00 |
| Cryptosporidium and Giardia | 1623 | WW | See MDL/PQL sheet provided in bid | 1 | $ 865.00 | $ 865.00 |
| Acute Bioassay | EPA 821-R-02-012 (FW acute) (2000.0) | WW | See MDL/PQL sheet provided in bid | 2 | $ 3,560.00 | $ 7,120.00 |
| Low Level Mercury | 1631E | WW | See MDL/PQL sheet provided in bid | 2 | $ 59.00 | $ 118.00 |
| Sampling Disposal Fee for Mercury | | WW | See MDL/PQL sheet provided in bid | 2 | $ 9.00 | $ 18.00 |
| Nickel | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Copper | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Dichlorobromomethane | 524.2 | WW | See MDL/PQL sheet provided in bid | 12 | $ 29.00 | $ 348.00 |
| Zinc | 200.8 | WW | See MDL/PQL sheet provided in bid | 12 | $ 4.75 | $ 57.00 |
| Sodium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Magnesium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Calcium | 200.7 | WW | See MDL/PQL sheet provided in bid | 52 | $ 4.75 | $ 247.00 |
| Chloride | 300.0 | WW | See MDL/PQL sheet provided in bid | 52 | $ 8.00 | $ 416.00 |
| TDS | 2540C | WW | See MDL/PQL sheet provided in bid | 52 | $ 10.00 | $ 520.00 |
| Fluoride | 300.0 | WW | See MDL/PQL sheet provided in bid | 52 | $ 8.00 | $ 416.00 |
| CBOD | SM5210B | WW | See MDL/PQL sheet provided in bid | 540 | $ 16.00 | $ 8,640.00 |
| TSS | 2540D | WW | See MDL/PQL sheet provided in bid | 644 | $ 9.00 | $ 5,796.00 |
| TKN | 351.2 | WW | See MDL/PQL sheet provided in bid | 540 | $ 15.00 | $ 8,100.00 |
| NOX | 353.2 | WW | See MDL/PQL sheet provided in bid | 260 | $ 8.00 | $ 2,080.00 |
| TP | 365.4 | WW | See MDL/PQL sheet provided in bid | 520 | $ 14.00 | $ 7,280.00 |
| Enterococci | Enterolert/Quant-tray | WW | See MDL/PQL sheet provided in bid | 260 | $ 8.00 | $ 2,080.00 |
| Fecal Coliform | SM9222D | WW | See MDL/PQL sheet provided in bid | 365 | $ 8.00 | $ 2,920.00 |
| Fecal Coliform Additional Costs for Weekend Work | | WW | See MDL/PQL sheet provided in bid | 104 | $ 70.00 | $ 7,280.00 |
| | | | | | | |
| **Wastewater Subtotal** | | | | | $ 56,353.00 | |

## Biosolids

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| 503.13 Sludge Rule (including: | Various | sludge | 4 | $ 140.00 | $ 560.00 |
| Hg,As,Cd,Cr,Cu,Pb,Mo,Ni,K,Se, | | | | | |
| Zn,pH,Total Nitrogen and | | | | | |
| Phosphorus) | | | | | |
| | | | | | |
| **Biosolids Subtotal** | | | | $ 560.00 | |

## Groundwater Monitoring

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Sodium | 6010 | GW | See MDL/PQL sheet provided in bid | 28 | $ 4.75 | $ 133.00 |
| TDS | 160.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 10.00 | $ 280.00 |
| Fecal | SM9222D | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| Turbidity | 180.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| pH | 150.1 | GW | See MDL/PQL sheet provided in bid | 28 | $ 6.00 | $ 168.00 |
| Cl | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| Nitrates | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| SO4 | 300.0 | GW | See MDL/PQL sheet provided in bid | 28 | $ 8.00 | $ 224.00 |
| TTHM | 524.2 | GW | See MDL/PQL sheet provided in bid | 28 | $ 29.00 | $ 812.00 |
| Bis (2-ethylhexyl) phthalate | 525 | GW | See MDL/PQL sheet provided in bid | 28 | $ 105.00 | $ 2,940.00 |
| | | | | | | |
| **Groundwater Subtotal** | | | | | $ 5,453.00 | |

# Water

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Fluoride | 300.0 | W | See MDL/PQL sheet provided in bid | 12 | $ 8.00 | $ 96.00 |
| HAA5 | 522.1 | W | See MDL/PQL sheet provided in bid | 4 | $ 54.00 | $ 216.00 |
| Lead and Copper | 200.8 | W | See MDL/PQL sheet provided in bid | 37 | $ 14.00 | $ 518.00 |
| Nitrate/Nitrite | 300.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 8.00 | $ 8.00 |
| Nitrite | 300.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 8.00 | $ 8.00 |
| Ortho-phosphorous | 300.0 | W | See MDL/PQL sheet provided in bid | 12 | $ 14.50 | $ 174.00 |
| pH | 150.1 | W | See MDL/PQL sheet provided in bid | 2 | $ 6.00 | $ 12.00 |
| Total Coliforms | SM9223B or SM9222B | W | See MDL/PQL sheet provided in bid | 900 | $ 8.00 | $ 7,200.00 |
| Total Cyanide | 335.3/9012 | W | See MDL/PQL sheet provided in bid | 1 | $ 18.00 | $ 18.00 |
| Total Organic Carbon | SM5310B | W | See MDL/PQL sheet provided in bid | 50 | $ 16.00 | $ 800.00 |
| Thallium | 200.9 | W | See MDL/PQL sheet provided in bid | 1 | $ 4.75 | $ 4.75 |
| TTHM | 524.2 | W | See MDL/PQL sheet provided in bid | 6 | $ 29.00 | $ 174.00 |
| Gross Alpha | 900.0 | W | See MDL/PQL sheet provided in bid | 1 | $ 38.00 | $ 38.00 |
| Radium 226 | 903.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 79.00 | $ 79.00 |
| Radium 228 | 903.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 79.00 | $ 79.00 |
| Endothall | 548.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 65.00 | $ 65.00 |
| Glyphosate | 547 | W | See MDL/PQL sheet provided in bid | 1 | $ 65.00 | $ 65.00 |
| Dioxin | 1613 | W | See MDL/PQL sheet provided in bid | 1 | $ 195.00 | $ 195.00 |
| **Analyte Groups / Calculations** | | | | | | |
| Primary Inorganics | various | W | See MDL/PQL sheet provided in bid | 1 | $ 106.25 | $ 106.25 |
| Secondary Inorganics | various | W | See MDL/PQL sheet provided in bid | 1 | $ 120.50 | $ 120.50 |
| Regulated SOCs | various | W | See MDL/PQL sheet provided in bid | 1 | $ 748.00 | $ 748.00 |
| Regulated VOCs | various | W | See MDL/PQL sheet provided in bid | 1 | $ 55.00 | $ 55.00 |
| Mercury | 7471 | W | See MDL/PQL sheet provided in bid | 1 | $ 16.00 | $ 16.00 |
| Dissolved Oxygen | 360.1 | W | See MDL/PQL sheet provided in bid | 1 | $ 16.00 | $ 16.00 |
| | | | | | | |
| **Water Subtotal** | | | | | $ 10,811.50 | |

## Consumptive Use Permit Samples

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Calcium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Magnesium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Sodium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Potassium | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Iron | 200.7 | W | See MDL/PQL sheet provided in bid | 16 | $ 4.75 | $ 76.00 |
| Chlorides | 300.0 | W | See MDL/PQL sheet provided in bid | 61 | $ 8.00 | $ 488.00 |
| Sulfate | 300.0 | W | See MDL/PQL sheet provided in bid | 16 | $ 8.00 | $ 128.00 |
| Total Dissolved Solids | 160.1 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Conductivity | 120.1 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Alkalinity Bicarbonate | SM2320 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| Alkalinity Carbonate | SM2320 | W | See MDL/PQL sheet provided in bid | 16 | $ 10.00 | $ 160.00 |
| | | | | | | |
| **CUP Water Subtotal** | | | | | $ 1,636.00 | |

Occasionally it may be necessary to receive sample results before the normal turn around time. Insert the proposed rush charges in the following matrix as a percentage surcharge over the normal contract price.

| Turnaround Time | Rush Surcharges |
|---|---|
| **6-7 Working Days** | 1.1X |
| **5 Working Days** | 1.25X |
| **4 Working Days** | 1.5X |
| **3 Working Days** | 1.75X |
| **1-2 Working Days** | 2.5X |

The bid basis for the contract award is the sum of the individual parameters.

**TOTAL BID FOR CONTRACT** $ 80,376.25
(Figures)

Eighty Thousand three hundred seventy six dollars and twenty five cents

**(Words)**

Pace® PEOPLE ADVANCING SCIENCE

## RESOLUTION

THE UNDERSIGNED, Secretary of Pace Analytical Services, LLC, a limited liability company duly organized and existing under the laws of the State of Minnesota, does hereby certify that, at a duly convened meeting of the Board of Directors of said company on February 25, 2019, at which meeting a quorum was present, the following resolution was duly promulgated and unanimously adopted:

"RESOLVED, that, by order and consent of the Board of Directors, **David Chaffman, Director of Sales & Marketing,** shall henceforth be empowered, authorized and directed for and on behalf of the Company to in all negotiations, bidding, concerns and transactions or any of it's agencies, departments, employees or agents."

I further certify that the foregoing Resolution has not been repealed, annulled, altered, or amended in any respect, but remains in full force and effect, and that the same was adopted pursuant to the strict provisions of the by-laws, the Certificate of Incorporation, and the law.

IN WITNESS WHEREOF, the undersigned has affixed his signature on behalf of the Company on this 27th day of October 2023.

Gregory C. Whitman
Secretary of Pace Analytical® Services, LLC

State of Minnesota, County of Hennepin

This document was acknowledged before me on October 27, 2023, by Gregory C. Whitman.

Signature

Executive Assistant
Title / Rank

Jan 31 2026
My Commission Expires: [date]

STEPHANIE LYNN KANE-BURBACK
Notary Public
State of Minnesota
My Commission Expires
January 31, 2026

# State of Florida

## Department of State

I certify the attached is a true and correct copy of the Amendment to the Application of a Foreign Limited Liability Company, filed on April 25, 2025, for PACE ANALYTICAL SERVICES, LLC, a Minnesota limited liability company authorized to transact business in Florida, as shown by the records of this office.

The document number of this limited liability company is M16000010338.

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this the
Twenty-eighth day of April, 2025

Cord Byrd
Secretary of State

CR2E022 (01-11)

# APPLICATION BY FOREIGN LIMITED LIABILITY COMPANY TO FILE AMENDMENT TO CERTIFICATE OF AUTHORITY TO TRANSACT BUSINESS IN FLORIDA

**SECTION I (1-4 must be completed)**

1. Name of limited liability Company as it appears on the records of the Florida Department of State: PACE ANALYTICAL SERVICES, LLC

Enter new principal office address, if applicable: _____

***(Principal office address MUST BE A STREET ADDRESS)*** _____

_____

FILED
2025 APR 25 PM 12:45

Enter new mailing address, if applicable: _____
***(Mailing address MAY BE A POST OFFICE BOX)*** _____

_____

2. The Florida document number of this limited liability company is: M16000010338

3. Jurisdiction of its organization: MN

4. Date authorized to do business in Florida: 12/23/2016

**SECTION II (5-9 complete only the applicable changes)**

5. New name of the limited liability company: _____
(must contain "Limited Liability Company, " "L.L.C.," or "LLC.")

_____
(If name unavailable, enter alternate name adopted for the purpose of transacting business in Florida and attach a copy of the written consent of the managers or managing members adopting the alternate name. The alternate name must contain "Limited Liability Company," "L.L.C." or "LLC.")

6. If amending the registered agent and/or registered officer address on our records, enter the name of the new registered agent and/or the new registered office address here:

Name of New Registered Agent: _____

New Registered Office Address: _____
*Enter Florida Street Address*

_____, **Florida** _____
*City* *Zip Code*

New Registered Agent's Signature, if changing Registered Agent:
*I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relative to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent as provided for in Chapter 605, F.S. Or, if this document is being filed to merely reflect a change in the registered office address, I hereby confirm that the limited liability company has been notified in writing of this change.*

_____
If Changing Registered Agent, Signature of New Registered Agent



1067 - 2/05/2020 Wolters Kluwer Online

7. If the amendment changes the jurisdiction of organization, indicate new jurisdiction:

8. If the amendment changes person, title or capacity in accordance with 605.0902 (1)(e), indicate that change:

Adding below officers

| Title/ Capacity | Name | Address | Type of Action |
|---|---|---|---|
| Secretary | Greg Whitman | 2665 Long Lake Rd Suite 300, Roseville, MN | ☒Add |
| | | | ☐Remove |
| President | Eric Roman | 2665 Long Lake Rd Suite 300, Roseville, MN | ☒Add |
| | | | ☐Remove |
| | | | ☐Add |
| | | | ☐Remove |
| | | | ☐Add |
| | | | ☐Remove |
| | | | ☐Add |
| | | | ☐Remove |

9. Attached is a certificate, if required: no more than 90 days old, evidencing the aforementioned amendment(s), duly authenticated by the official having custody of records in the jurisdiction under the law of which this entity is organized.

Signature of the authorized representative

Greg Whitman

Typed or printed name of signee

**Filing Fee: $25.00**



.007 - 2/05/2020 Wolters Kluwer Online

# State of Florida

## Department of State

I certify the attached is a true and correct copy of the Amendment to the Application of a Foreign Limited Liability Company, filed on April 25, 2025, for PACE ANALYTICAL SERVICES, LLC, a Minnesota limited liability company authorized to transact business in Florida, as shown by the records of this office.

The document number of this limited liability company is M16000010338.

Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this the
Twenty-eighth day of April, 2025

*Cord Byrd*
*Secretary of State*

CR2E022 (01-11)

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**SECTION I (1-4 must be completed)**

1. Name of limited liability Company as it appears on the records of the Florida Department of State: PACE ANALYTICAL SERVICES, LLC

Enter new principal office address, if applicable: _____

***(Principal office address MUST BE A STREET ADDRESS)*** _____

_____

Enter new mailing address, if applicable: _____

***(Mailing address MAY BE A POST OFFICE BOX)*** _____

_____

FILED
2025 APR 25 PM 12:45

2. The Florida document number of this limited liability company is: M16000010338

3. Jurisdiction of its organization: MN

4. Date authorized to do business in Florida: 12/23/2016

**SECTION II (5-9 complete only the applicable changes)**

5. New name of the limited liability company: _____
(must contain "Limited Liability Company, " "L.L.C.," or "LLC.")

_____
(If name unavailable, enter alternate name adopted for the purpose of transacting business in Florida and attach a copy of the written consent of the managers or managing members adopting the alternate name. The alternate name must contain "Limited Liability Company," "L.L.C." or "LLC.")

6. If amending the registered agent and/or registered officer address on our records, enter the name of the new registered agent and/or the new registered office address here:

Name of New Registered Agent: _____

New Registered Office Address: _____
*Enter Florida Street Address*

_____, **Florida** _____
*City* *Zip Code*

New Registered Agent's Signature, if changing Registered Agent:
*I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relative to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent as provided for in Chapter 605, F.S. Or, if this document is being filed to merely reflect a change in the registered office address, I hereby confirm that the limited liability company has been notified in writing of this change.*

_____
If Changing Registered Agent, Signature of New Registered Agent



007 - 2/05/2020 Wolters Kluwer Online

7. If the amendment changes the jurisdiction of organization, indicate new jurisdiction:

_____

8. If the amendment changes person, title or capacity in accordance with 605.0902 (1)(e), indicate that change:

Adding below officers

| Title/ Capacity | Name | Address | Type of Action |
|---|---|---|---|
| Secretary | Greg Whitman | 2665 Long Lake Rd Suite 300, Roseville, MN | ☒Add |
| | | | ☐Remove |
| President | Eric Roman | 2665 Long Lake Rd Suite 300, Roseville, MN | ☒Add |
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| | | | ☐Add |
| | | | ☐Remove |

9. Attached is a certificate, if required: no more than 90 days old, evidencing the aforementioned amendment(s), duly authenticated by the official having custody of records in the jurisdiction under the law of which this entity is organized.

G C Whit

Signature of the authorized representative

Greg Whitman

Typed or printed name of signee

**Filing Fee: $25.00**



007 3/05/2020 Wolters Kluwer Online

Pace® PEOPLE ADVANCING SCIENCE

## RESOLUTION

THE UNDERSIGNED, Secretary of Pace Analytical Services, LLC, a limited liability company duly organized and existing under the laws of the State of Minnesota, does hereby certify that, at a duly convened meeting of the Board of Directors of said company on February 25, 2019, at which meeting a quorum was present, the following resolution was duly promulgated and unanimously adopted:

"RESOLVED, that, by order and consent of the Board of Directors, **David Chaffman, Director of Sales & Marketing,** shall henceforth be empowered, authorized and directed for and on behalf of the Company to in all negotiations, bidding, concerns and transactions or any of it's agencies, departments, employees or agents."

I further certify that the foregoing Resolution has not been repealed, annulled, altered, or amended in any respect, but remains in full force and effect, and that the same was adopted pursuant to the strict provisions of the by-laws, the Certificate of Incorporation, and the law.

IN WITNESS WHEREOF, the undersigned has affixed his signature on behalf of the Company on this 27th day of October 2023.

Gregory C. Whitman
Secretary of Pace Analytical® Services, LLC

State of Minnesota, County of Hennepin

This document was acknowledged before me on October 27, 2023, by Gregory C. Whitman.

Signature

Executive Assistant
Title / Rank

Jan 31 2026
My Commission Expires: [date]

STEPHANIE LYNN KANE-BURBACK
Notary Public
State of Minnesota
My Commission Expires
January 31, 2026


Pace
ANALYTICAL SERVICES

Addendum No. 1

June 04, 2025

**TO:** Perspective Bidders and Others Concerned

**SUBJECT:** Laboratory Testing Services, Bid No. 2025-47

**TO ALL BIDDERS:** You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**Questions and answers:**

**Q1: Does this bid require a bid bond?**

**A1:** No Bid Bond is required with this Bid.

**Q2: Can the city please provide the permit for the Reuse Effluent Analysis?**

**Can the city please provide the permit for the Wastewater analysis?**

**For the Reuse Effluent Analysis is asbestos required?**

**For the Reuse Effluent Analysis is dioxin required?**

**For the TTO is dioxin required?**

**For the Priority Pollutant is the Dioxin required?**

**For the Priority Pollutants is the asbestos required?**

**A2:** Permits have been attached to this Addendum.

Thle Reuse effluent analysis does not require asbestos. P-Dioxin is required in the Reuse effluent analysis.

Dioxin is not required for TTO.

Dioxin and asbestos are not required for Priority Pollutants.

**Q3: What is the annual Spend and how much has the city paid out on the contract annually for the last three years?**

**A3:** The annual expenditure for this contract is approximately $75K. The City has spent approximately $220K over the past three years.

**Q4: Please provide the current contract pricing or rate sheet for the incumbent laboratory.**

**A4:** Pace Analytical is the current Lab Services provider. A copy of their Unit Price submittal from the original bid award has been attached.

**Q5: Please share all relevant permits referenced.**

**A5:** Permits have been attached to this Addendum.

**Q6: Can the city confirm whether service, performance, or payment bonds are required for this contract?**

**A6:** Service, performance, or payment bonds are not required for this contract.

**Q7: Does the Bid Delivery require hard copy delivery of the bid Packet? (pg. 26)**

**A7:** To assist Bidders and reduce replication costs, the vendors shall have the option of supplying a paper copy of the “large documents” listed in the Scope of Work, 2. Bid Requirements/Information to be Provided with the Bidder’s Submission, as appearing on page 29, Item “a” and Items “c” through “k” inclusive. Bidders shall still submit a paper copy of Item 2.b. which states “A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall firm for the duration of the contract.” While bidders have the option of supplying a paper copy of the items as noted, this addendum does not relieve the bidder of supplying the required documents in a digital format. In addition, should the bidder choose to omit submittal of certain documents in paper format, then it shall be he responsibility of the bidder to provide one copy of a “Table of Contents” or “List of Attachments” or “List of Exhibits” or other appropriately titled paper submittal that clearly identifies and lists each of the documents that are only provided in a digital format.

**Q8: Regarding the 10–20% invoice deductions, are those penalties assessed per sample/event or applied to the entire monthly invoice which may include on-time reports?**

**A8:** Invoice deductions are intended to be per sample/event.

**Q9: Do the reuse effluent primary and secondary drinking water standards include any other parameters not listed in parenthesis? If so, please list all tests needed.**

**A9:** See attached permit for required parameters.

**Q10: Does the industrial pretreatment TTO include any other methods not listed in parenthesis? E.g., Dioxin. If so, please list all required methods.**

**A10:** No other items are required for TTO.

**Q11: Does the Wastewater- Priority Pollutants include any other parameters not listed in Parenthesis? If so, please list all requirements.**

**A11:** No items outside the parameters listed in the parenthesis are included at this time.

**Q12: Does the 503.13 Sludge Rule include any other parameters not listed in parenthesis? If so, please list any additional requirements.**

**A12:** No items outside the parameters listed in the parenthesis are included at this time.

**Q13: Does the Water – Primary inorganics include Asbestos? Please list all tests required, as well as for Secondary Inorganics.**

**A13:** Asbestos testing is not required or included.

**Q14: Does the Water – Regulated SOCs include Dioxin? Please list all required tests.**

**A14:** Yes, Dioxin is included.

**Q15: Will PFAS NPDWR be included in the bid?**

**A15:** No.

**Q16: Can the City confirm all sample collection will be performed by the City.**

**A16:** City collects all samples besides cryptosporidium and Giardia. Prospective bidders to include sample collection for cryptosporidium and Giardia in their bid pricing.

**Q17: Will DO and or pH be measured by City in the field? Or done by lab out of hold.**

**A17:** Yes, DO and pH is measured by the City in the field for City collected samples when necessary.

**Q18: In addition to PDF reports, are any specific data (EDD) formats required?**

**A18:** No other specific data formats are required at this time.

**Q19: Does Fecal Coliform additional costs for weekend work include testing or just labor surcharge? Are the 104 samples a subset of the 365?**

**A19:** The line item for 104 samples of fecal coliform sampling is intended to be surcharge for labor and/or other items associated with performing work outside of standard hours. As such, the 104 samples is intended to be a subset of the 365.

**Q20: What is the frequency of the wastewater Enterococci sampling? I.e., would the 260 Samples be 5 days per week?**

**A20:** Correct, the enterococci sampling is scheduled for five (5) days per week.

**Q21: Would it benefit the city to add the following to the pricing sheet for PFAS for this bid:**

**533 for DW**

**537.1 for DW**

**and**

**1633 for biosolids**

**1633 for non potable water?**

**A21:** No, this is not being added to the sampling list at this time.

**Q22: In the water section of the pricing sheet is 200.9 for Thallium required or will 200.8 ICP-MS suffice?**

**A22:** 200.8 for Thallium will be accepted as long as it meets the regulatory limits.

**Q23: Are any methods on the pricing sheet required or will the laboratory certs suffice?**

**A23:** Methods on the pricing sheet and laboratory certificates are required.

**Q24: Is odor, color , dioxin and asbestos required in the Reuse analysis?**

**A24:** P-dioxin is required in the Reuse analysis. Odor, color, and Asbestos is not required for reuse analysis.

**Q25: DO should be a field parameter. In the water section is this required as it will be out of hold for the analysis? Is this a FDEP reportable parameter?**

**A25:** DO is typically sampled by City staff in the field when applicable, the pricing listed for DO is intended for unusual situations which may arise. The City understands the hold time.

**Q26: Does City of Ormond Beach allow for the proposal of alternate analytical methods, from those provided on the bid table?**

**A26:** Bidders are to use the methodologies shown in the pricing list or in the Addendums for formulating their pricing. Bidder is not to assume alternate methods will be approved.

**Q27: Does the city wish to have Dioxin and Asbestos testing included in the requested Primary Drinking Water list of analyses?**

**A27:** Dioxin is currently listed in the Water bid list. Asbestos testing is not required.

**Q28: What has been the frequency of City of Ormond Beach's need for weekend and emergency pickup and analytical services?**

**A28:** Weekend and emergency pickups are typically only done during extreme events (i.e. hurricanes, major utility line breaks) or in the case of unexpected personnel shortages. Average is approximately five (5) times per year.

**Q29: Please provide a copy of the current contract with pricing.**

**A29:** Pace Analytical is the current Lab Services provider. A copy of their Unit Price submittal from the original bid award has been attached.

**Q30: What has been the annual expenditures over the past 3 years of this contract?**

**A30:** The annual expenditure for this contract is approximately $75K. The City has spent approximately $220K over the past three years.

**Q31: The bid table instructs bidders to "See Permit" in multiple places. Will the city provide a copy of the related permit for bidders to reference when completing responses?**

**A31:** Yes. Permits have been attached to this addendum.

**Q32: Not all of the SOCs are listed in the request for Primary and Secondary drinking water standards. Are all of the SOCs required or just those methods listed?**

**A32:** All SOCs regulated by the department of health and FDEP are to be included for primary and secondary drinking water.

**Q33: From the pricing table, it looks like compliance samples are taken 7 days a week (each and every week). Is it accurate to assume that fecal coliform is needed over the weekend, every weekend, for permit compliance or is this just a rare occurrence that requires occasional support?**

**A33:** Fecal coliform samples are currently taken every day of the year for permit compliance.

**Q34: Question for 503 sludge: Will the city provide the permitted requirements for 503 sludge?**

**A34:** 503 sludge is included in the FDEP Water Reclamation Facility permit.

**Q35: The line item for the HAA5 method lists 522.1. Can a substituted method of 552.3 be used? The listed method is for 1,4 Dioxane.**

**A35:** Yes, please utilize 552 for HAA5.

**Q36: Is the groundwater sampling performed by the city, the bidder or another subcontractor?**

**A36:** Groundwater samples are collected by City staff.

**Q37: In the pricing document, a line item exists for "sample disposal fee for mercury". Is this related to routine environmental samples or perhaps mercury standards or elemental mercury? Ideally we'd like to know what the mercury waste matrix will be.**

**A37:** The disposal fee for mercury is intended to correspond to the disposal of the sample collected for the "Low level Mercury" with associated test method of 1631E.

**Q38: In the pricing document, the line item for acute bioassay does not specify the species needed. Is there permit that the city can provide? If not, please define which species are needed?**

**A38:** Permit has been attached to this addendum.

**The following attachments have been included with this Addendum:**

- **The City's current laboratory contract with Pace Analytical**
- **The City's current Consumptive Use Permit (CUP)**
- **The City's current Water Reclamation Facility (WRF) Permit**

Addendum No. 1

**The last day for questions has been revised to be 4:00 pm on June 10th, 2025.**

**The date and time for the bid opening has been revised to be June 18th, 2025 at 2:00 PM. Bid opening location is the City Hall Training Room (breezeway)**

The foregoing changes are hereby incorporated into the Bidding Contract Documents for the City of Ormond Beach – Laboratory Testing Services, Bid No. 2025-47 for the City of Ormond Beach.

City of Ormond Beach, Florida

St. Johns River
Water Management District
Hans G. Tanzler III, Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at floridaswater.com.

June 13, 2012

City of Ormond Beach
22 S Beach St
Ormond Beach, FL 32174

SUBJECT: Consumptive Use Permit Number 2-127-8932-14
City of Ormond Beach

Dear Sir/Madam:

Enclosed is your permit as authorized by the St. Johns River Water Management District on June 13, 2012.

Please be advised that the period of time within which a third party may request an administrative hearing on this permit may not have expired by the date of issuance. A potential petitioner has twenty-six (26) days from the date on which the actual notice is deposited in the mail, or twenty-one (21) days from publication of this notice when actual notice is not provided, within which to file a petition for an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes. Receipt of such a petition by the District may result in this permit becoming null and void.

Permit issuance does not relieve you from the responsibility of obtaining permits from any federal, state and/or local agencies asserting concurrent jurisdiction over this work.

The enclosed permit is a legal document and should be kept with your other important records. Please read the permit and conditions carefully since the referenced conditions may require submittal of additional information. All information submitted as compliance with permit conditions must be submitted to the nearest District Service Center and should include the above referenced permit number.

Sincerely,

Victor Castro, Director
Bureau of Regulatory Support

Enclosures: Permit, Conditions for Issuance

cc: District Permit File

GOVERNING BOARD

Lad Daniels, CHAIRMAN JACKSONVILLE
John A. Miklos, VICE CHAIRMAN ORLANDO
Douglas C. Bournique, SECRETARY VERO BEACH
Maryam H. Ghyabi, TREASURER ORMOND BEACH
Chuck Drake ORLANDO
Richard G. Hamann GAINESVILLE
George W. Robbins JACKSONVILLE
Fred N. Roberts, Jr. OCALA
W. Leonard Wood FERNANDINA BEACH

PERMIT NO. 2-127-8932-14 DATE ISSUED: June 13, 2012
PROJECT NAME: City of Ormond Beach

A PERMIT AUTHORIZING:

This is a 5-year compliance review of a permit issued on May 11, 2004. The District proposes to authorize the use of 2,985.33 million gallons per year (mgy) (8.179 million gallons per day (mgd) average) of groundwater from the Floridan aquifer for public supply type use to serve a proposed population of 56,890 in 2024, and 105.1 mgy (0.29 mgd average) of surface water for landscape irrigation.

LOCATION:

Site: City of Ormond Beach
Volusia County

| | | | | | |
|---|---|---|---|---|---|
| Section(s): | 21, 27, 28, 34, 41 | Township(s): | 13S | Range(s): | 32E |
| | 24, 25, 27, 28, 29, 36 | | 14S | | 31E |
| | 2, 3, 7, 8, 10, 11, 14, 15, 16 | | 14S | | 32E |

ISSUED TO:

City of Ormond Beach
22 S Beach St
Ormond Beach, FL 32174

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all maps and specifications attached thereto, is by reference made a part hereof.

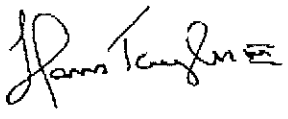
This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes and 40C-1, Florida Administrative Code.

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated June 13, 2012

AUTHORIZED BY: St. Johns River Water Management District
Division of Regulatory Services

By: 

Hans Tanzler
Executive Director

**"EXHIBIT A"**
**CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 8932**
**City of Ormond Beach**
**DATED JUNE 13, 2012**

1. District authorized staff, upon proper identification, will have permission to enter, inspect, and observe permitted and related facilities in order to determine compliance with the approved plans, specifications, and conditions of this permit.

2. Nothing in this permit should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Section 373.175, Florida Statutes, or to formulate a plan for implementation during periods of water shortage, pursuant to Section 373.246, Florida Statutes. In the event a water shortage is declared by the District Governing Board, the permittee must adhere to the water shortage restrictions as specified by the District, even though the specified water shortage restrictions may be inconsistent with the terms and conditions of this permit.

3. Prior to the construction, modification, or abandonment of a well, the permittee must obtain a Water Well Construction Permit from the St. Johns River Water Management District, or the appropriate local government pursuant to Chapter 40C-3, Florida Administrative Code. Construction, modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification, or abandonment is other than that specified and described on the consumptive use permit application form.

4. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.

5. The permittee's consumptive use of water as authorized by this permit shall not interfere with legal uses of water existing at the time of permit application. If interference occurs, the District shall revoke the permit, in whole or in part, to curtail or abate the interference, unless the interference associated with the permittee's consumptive use of water is mitigated by the permittee pursuant to a District-approved plan.

6. The permittee's consumptive use of water as authorized by this permit shall not have significant adverse hydrologic impacts to off-site land uses existing at the time of permit application. If significant adverse hydrologic impacts occur, the District shall revoke the permit, in whole or in part, to curtail or abate the adverse impacts, unless the impacts associated with the permittee's consumptive use of water are mitigated by the permittee pursuant to a District-approved plan.

7. The permittee's consumptive use of water as authorized by this permit shall not significantly and adversely impact wetlands, lakes, rivers, or springs. If significant adverse impacts occur, the District shall revoke the permit, in whole or in part, to curtail or abate the adverse impacts, unless the impacts associated with the permittee's consumptive use of water are mitigated by the permittee pursuant to a District-approved plan.

8. The permittee's consumptive use of water as authorized by this permit shall not reduce a flow or level below any minimum flow or level adopted in Chapter 40C-8, F.A.C. If the permittee's use of water causes or contributes to such a reduction, then the District shall revoke the permit, in whole or in part, unless the permittee implements all provisions applicable to the permittee's use in a District-approved recovery or prevention strategy.

9. The permittee's consumptive use of water as authorized by the permit shall not cause or contribute to significant saline water intrusion. If significant saline water intrusion occurs, the District shall revoke the permit, in whole or in part, to curtail or abate the saline water intrusion, unless the saline water intrusion associated with the permittee's consumptive use of water is mitigated by the permittee pursuant to a District-approved plan.

10. The permittee's consumptive use of water as authorized by the permit shall not cause or contribute to flood damage. If the permittee's consumptive use causes or contributes to flood damage, the District shall revoke the permit, in whole or in part, to curtail or abate the flood damage, unless the flood damage associated with the permittee's consumptive use of water is mitigated by the permittee pursuant to a District-approved plan.

11. The District must be notified, in writing, within 30 days of any sale, conveyance, or other transfer of a well or facility from which the permitted consumptive use is made or with in 30 days of any transfer of ownership or control of the real property at which the permitted consumptive use is located. All transfers of ownership or transfers of permits are subject to the provisions of section 40C-1.612.

12. A District issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve, or other withdrawal facility as provided by Section 40C-2.401, Florida Administrative Code. Permittee shall notify the District in the event that a replacement tag is needed.

13. All submittals made to demonstrate compliance with this permit shall have the CUP number 8932 plainly labeled on the submittal.

14. This permit will expire on May 11, 2024.

15. If the permittee does not serve a new projected demand located within the service area upon which the annual allocation was calculated, the annual allocation will be subject to modification by the District.

16. The permittee shall meter all service connections.

17. The permittee shall use the lowest quality water source, such as reclaimed water, surface/storm water, or alternative water supply, to supply the needs of the project when deemed feasible under District rules and applicable state law.

18. All irrigation shall be in conformity with the requirements set forth in subsection 40C-2.042(2), F.A.C.

19. The maximum annual groundwater withdrawals from the Floridan Aquifer System must not exceed:

    2,606.1 million gallons (7.140 million gallons per day average) in 2012,
    2,633.5 million gallons (7.215 million gallons per day average) in 2013,
    2,579.1 million gallons (7.066 million gallons per day average) in 2014,
    2,606.5 million gallons (7.141 million gallons per day average) in 2015,
    2,644.1 million gallons (7.244 million gallons per day average) in 2016,
    2,672.2 million gallons (7.321 million gallons per day average) in 2017,
    2,729.1 million gallons (7.477 million gallons per day average) in 2018,
    2,757.9 million gallons (7.556 million gallons per day average) in 2019,
    2,805.8 million gallons (7.687 million gallons per day average) in 2020,
    2,845.2 million gallons (7.795 million gallons per day average) in 2021,
    2,894.5 million gallons (7.930 million gallons per day average) in 2022,
    2,935.0 million gallons (8.041 million gallons per day average) in 2023, and

2,985.3 million gallons (8.179 million gallons per day average) in 2024.

20. The annual surface water allocation for urban landscape irrigation at Breakaway Trails is 105.1 million gallons (0.29 million gallons per day). More stormwater may be used when available.

21. The average daily water withdrawals (in millions of gallons) from each water source for each year indicated below must not exceed:

| Year | Division Avenue | State Route 40 | Hudson | Rima Ridge | Breakaway Trails |
|---|---|---|---|---|---|
| 2012 | 1.65 | 0.56 | 1.46 | 3.04 | 0.562 |
| 2013 | 1.65 | 0.57 | 1.49 | 3.08 | 0.562 |
| 2014 | 1.65 | 0.58 | 1.51 | 3.15 | 0.312 |
| 2015 | 1.65 | 0.59 | 1.58 | 3.15 | 0.312 |
| 2016 | 1.65 | 0.60 | 1.69 | 3.15 | 0.312 |
| 2017 | 1.65 | 0.61 | 1.76 | 3.15 | 0.312 |
| 2018 | 1.65 | 0.61 | 1.93 | 3.15 | 0.312 |
| 2019 | 1.65 | 0.61 | 2.01 | 3.15 | 0.312 |
| 2020 | 1.65 | 0.61 | 2.16 | 3.15 | 0.312 |
| 2021 | 1,65 | 0.61 | 2.28 | 3.15 | 0.312 |
| 2022 | 1.65 | 0.61 | 2.43 | 3.15 | 0.312 |
| 2023 | 1.65 | 0.61 | 2.45 | 3.15 | 0.312 |
| 2024 | 1.65 | 0.61 | 2.45 | 3.15 | 0.312 |

Surface water withdrawals from internal stormwater ponds and reclaimed water must result in a reduction in the withdrawal of groundwater for irrigation at Breakaway Trails beginning in 2014. The groundwater use for irrigation must not exceed an application rate of 32.2 inches/year.

22. Prior to use, all proposed wells must be equipped with totalizing flow meters. All flowmeters must maintain 95% accuracy, be verifiable and be installed according to the manufacturer's specifications.

23. The permittee must maintain the flow meters. In case of failure or breakdown of any meter, the District must be notified in writing within 5 days of its discovery. The defective meter must be repaired or replaced within 30 days of its discovery.

24. Total withdrawal from existing wells 21SR (District ID 17230), 22H (District ID 17231), 23H (District ID 17232), 24H (District ID 17233), 25H (District ID 17234), 26H (District ID 17235), 27H (District ID 17236), 28H (District ID 17237), 29H (District 17238), 30H (District ID 17239), 31H (District ID 17240), 32H (District ID 17241), 33H (District ID 17242), 34H (District ID 17243), 35R (District ID 17244), 36R (District ID 17245), 37R (District ID 17246), 38R (District ID 17247), 5D (District ID 17255), 6D (District ID 17256), 7D (District ID 17257), 9D (District ID 17258), 10D (District ID 17260), 16D (District ID 17266), 18SR (District ID 17269), 19SR (District 17271), 2 Breakaway Trails (District 17799), 3 Breakaway Trails (District ID 17800), 4 Breakaway Trails (District ID 17801), 8D (District ID 34004), 11D (District ID 34005), 12D (District ID 34006), 17D (District ID 34009), 39R (District ID 34010), 40R (District ID 34011), 41R (District ID 34012), 4D (District ID 137840), 15D (District 137841), and the Breakaway pump (District ID 34003) must be recorded continuously, totaled monthly, and reported to the District at least every six months for the duration of this permit using District Form No. EN-50. The reporting dates each year will be as follows:

Reporting Period Report Due Date

| | |
|---|---|
| January - June | July 31 |
| July - December | January 31 |

25. The permittee must have the flow meters calibrated once every 10 years within 30 days of the anniversary date of permit issuance, and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. District Form No. EN-51 must be submitted to the District within 10 days of the inspection or calibration.

26. The permittee shall implement the reuse of reclaimed water to the maximum extent when technically, economically, and environmentally feasible.

27. Either the Annual Reuse Report or monthly wastewater flow records must be collected and submitted to the District's Palm Bay Service Center annually. All available reclaimed water and stormwater must be distributed for use, or used, by the permittee in place of higher quality water sources when deemed feasible under District rules and applicable state law.

28. The permittee must continue to conduct hydrologic and photographic monitoring at each of the ten wetland locations (R1 (ID 244110), R2 (ID 24111), R3 (ID 244109), R4 (ID 244038), R5 (ID 244112), Cypress Dome near P54, R6 (ID 244113), Chain Fern Marsh near P55, R7 (ID244114), Bayheard Near P56, RC1 (ID 244108), RC2 (ID 244107), and RC3 (ID 244106)) currently monitored by the permittee.

    If another agency or utility is monitoring the same water body, then the same monitoring equipment or data can, upon written approval by the District, be used with the owner's consent. A staff gauge may substitute for a shallow monitoring well if District staff determine that the substitution would be capable of capturing a complete range of water fluctuation.

29. Wetland Monitoring Data must be submitted electronically every six months in a District-approved computer accessible format. Specifically, data collected January through June must be submitted on or before July 31st of each year and data collected July through December must be submitted on or before January 31st of each year. Water level data (measured weekly without data loggers or daily at noon with data loggers) must be recorded by the permittee for each wetland monitoring site and must be reported as elevation relative to the North American Vertical Datum (NAVD) of 1988.

30. The permittee must calibrate and maintain in working order all data loggers and probes used for measuring water levels in monitor wells. Documentation of calibration data must be submitted to the District on January 31st of each year. A defective data logger and/or probe must be reported to the District and repaired or replaced and recalibrated within 30 days of its discovery.

31. By March 31st of each year, the permittee must submit a Wetland Annual Report summarizing the wetland monitoring efforts and comparing all of the wetland monitoring data recorded for the last calendar year and previous years. The report must include panoramic photographs taken in September at the established photo stations and graphs summarizing the water level data and available District radar rainfall data. The elevation of the upland/wetland interface must be indicated on the graphs. In addition, the report will include a brief analysis and discussion of trends and wetland health.

32. If the permittee is unable to obtain or maintain legal access to any of the monitoring sites referenced above, the permittee must notify SJRWMD in writing within 15 days of concluding that access to any specific site is not possible. Within 45 days of this notification, the permittee must submit an alternative site to modify the monitoring

network. Within six months of SJRWMD approval of the monitoring network modification, the permittee must implement the approved change(s).

33. The permittee must provide a report to the Palm Bay Service Center on an annual basis on January 31 that addresses irrigation use at Breakaway Trails. The report must include an updated map of the area irrigated by the Breakaway Trails irrigation system, the application rate, and the amount of ground water and surface water utilized for irrigation for the previous year.

34. The permittee must have groundwater samples collected and analyzed annually each May for the duration of the permit from permitted production wells 12D (34006), 16D (17266), 24H (17233), 36R (17245), 21SR (17230) and 3P (17253); monitor wells C-1 (244401) and RM-1D (244402); and saltwater interface monitor wells SWMW1 (244397), SWMW-2 (244398), SWMW-3 (244399) and SWMW-4 (244400).

    Sample Collection
    All groundwater samples must be collected in accordance with the Florida Department of Environmental Protection (DEP) standard operating procedures (SOP) (DEP-SOP-001/01) set forth in DEP Quality Assurance Rule 62-160, F.A.C.

    Wells must be purged in accordance with the appropriate procedure in DEP-SOP-001/01, as necessary to evacuate water from the well column and induce groundwater representative of the hydrogeologic formation into the well prior to sampling. Purged water must be sampled and analyzed in the field for the following parameters:

    Water Temperature (°C)
    pH (SU)
    Specific Conductance (umhos/cm or uS/cm)
    Turbidity (NTU)

    Purging must be documented using the Groundwater Sampling Log form referenced in the FDEP SOP or equivalent.

    Water samples must be stored on ice immediately after collection, and remain on ice until received by the laboratory. It is recommended that sample duplicates be taken to allow for laboratory errors or data loss, and these samples be stored by the laboratory for a minimum of 60 days to ensure backup sample availability should re-analyses be required.

    Laboratory Analyses

    Water samples must be analyzed in the laboratory for the following major ion suite:

    Calcium (mg/L)
    Magnesium (mg/L)
    Potassium (mg/L)
    Sodium (mg/L)
    Total iron (mg/L)
    Chloride (mg/L)
    Sulfate (mg/L)
    Bicarbonate Alkalinity (as mg/L $CaCO_3$)
    Carbonate Alkalinity (as mg/L $CaCO_3$)
    Total Dissolved Solids (mg/L)
    Specific Conductance (umhos/cm or uS/cm)

    Quality Assurance

The permittee must provide documentation that field instruments were properly calibrated prior to obtaining field measurements during purging and sampling.

All water quality analyses must be performed by a laboratory certified by the Florida Department of Health (FDOH) and the National Environmental Laboratory Accreditation Program (NELAP). All laboratory analyses must be by methods for which the laboratory has FDOH certification. All laboratory analyses must be completed within EPA holding times. If data is lost or a laboratory error occurs and the EPA holding time for an analysis has expired, the permittee must have the well re-sampled within 15 days of notification from the laboratory that a loss or laboratory error has occurred. The resample shall be collected according to the procedures described above, and analyzed for the field parameters and the major ion suite listed above.

With the exception of pH, laboratory analyses utilizing selective ion electrodes are not acceptable, because of the inadequate sensitivity of these methods. For the same reason, analyses using test kits typically used for field screening (e.g., Hatch and LaMotte) are also not acceptable.

All major ion analyses must be checked for anion-cation balance (equivalent concentration in meq/L), and must not exceed 5% difference. If the ion balance exceeds 5% difference, the permittee must review the data and include in the report submitted to the District a discussion of the cause or explanation of the imbalance. The permittee may also be required to have the sample re-analyzed if it is within acceptable holding times or have the well re-sampled. The resample shall be collected according to the procedures described above, and analyzed for the four field parameters and the major ion suite.

Reports

A report must be submitted to the District no later than the last day of the month after the sampling. The report for samples collected in May must be submitted to the District no later than June 30. The report must include the following:

Table summarizing results for field measurements and laboratory chemical analyses
Well sampling log
Field instrument calibration verification
Chain of custody forms (if outsourced)
Laboratory analytical report (if outsourced)

All data must be submitted to the District in a District-approved electronic format readable by the District's computerized database.

35. The permittee must have groundwater samples collected and analyzed quarterly for total chloride (mg/L) from all permitted and operational Ormond Beach production wells at the Division Avenue and State Road 40 wellfields for the permit duration according to the following schedule: Quarter 1 (March), Quarter 2 (June), Quarter 3 (September) and Quarter 4 (December).
    All groundwater samples must be collected in accordance with the Sample Collection and Quality Assurance procedures required in Condition 35. The water quality analyses for total chloride (mg/L) must be performed by a laboratory certified by FDOH and NELAP. With the exception of pH, laboratory analyses utilizing selective ion electrodes are not acceptable, because of the inadequate sensitivity of these methods. For the same reason, analyses using test kits typically used for field screening (e.g., Hatch and LaMotte) are also not acceptable.
    A report must be submitted to the District no later than the last day of the month after the sampling (for example, the report for samples collected in March must be submitted to the District no later than April 30). The report must include the following:

Table summarizing results for field measurements and laboratory chemical analyses
Well sampling log
Field instrument calibration verification
Chain of custody forms (if outsourced)
Laboratory analytical report (if outsourced)

All data must be submitted to the District in a District-approved electronic format readable by the District's computerized database.

36. If the District determines that results for analyses of water quality data indicate that unexpected changes in groundwater geochemistry at any of the permitted production wells may be trending towards a chloride concentration or geochemical type of groundwater significantly different from background levels and indicating potential saline water intrusion, then within 60 days of receiving notice of that determination the permittee must submit a plan for District approval to abate the impact caused by the saline water intrusion. The plan must contain a schedule for implementation of corrective action which may include modification of the well construction, well rehabilitation, and reduction in well withdrawal rates or other measures identified by the permittee to abate the impact. The permittee must implement the District-approved plan in accordance with the schedule in it.

37. The permittee shall participate in developing and implementing an MFL prevention/recovery strategy approved by the Governing Board for lakes in Volusia County, unless the existing minimum levels for these lakes in rule chapter 40C-8 are revised so that a prevention or recovery strategy is no longer required under section 373.0421 of the Florida Statutes. The permittee's participation in developing and implementing an MFL prevention/recovery strategy approved by the Governing Board shall be limited to offsetting or mitigating the impact of the permittee's groundwater allocation and shall not extend to offsetting or mitigating the impact of other water uses or changes and structural alterations to the watershed, surface water, and aquifers and the effects that such changes or alterations have had or will have, and the constraints that such changes or alteration have placed or will place, on the hydrology of the affected watershed. If approved by the Governing Board as part of the regional water supply plan or plan amendment, such a prevention/recovery strategy may include without limitation any of the following actions or combinations of them:

a) Identifying and developing additional water supplies and other actions, consistent with the authority granted under chapter 373;
b) Promulgation of a rule or orders setting forth phasing or a time table, which will allow for the provision of sufficient water supplies for all existing and projected reasonable-beneficial uses, including development of additional water supplies and implementation of conservation and other efficiency measures concurrent with the provisions of chapter 373;
c) Actions taken by the District or water users, which cause Indian Lake to meet its minimum levels established in rule chapter 40C-8;
d) Elimination or reduction of permitted water uses; or
e) A lake impact avoidance/mitigation plan approved by the District, which by surface water augmentation, groundwater recharge, alternative water supply sources or other means of offsets or mitigates the impact of the permittee's groundwater allocation on Indian Lake.

The District shall revoke the permit in whole or in part, if the permittee fails to implement its portion of any Board-approved prevention/recovery strategy for Indian Lake in accordance with the schedule included in the strategy, as required by this condition.

The following measures have been identified to mitigate impacts to MFL water bodies (as incorporated in this permit) and, at least in part, meet the participation goals specified above including: an overall reduction in total allocation to 8.179 mgd in 2024; reduction in groundwater usage beginning in 2014 at Breakaway Trails from 0.562 mgd to 0.312 mgd (as back-up supply) when it is anticipated that reclaimed water will be available; maximum allocation at the Rima Ridge wellfield will be capped in 2014 at 3.15 mgd; and additional groundwater usage at the Hudson wellfield will replace the reduction in the Rima Ridge wellfield. This permit also includes three proposed wells at the Hudson wellfield for future use to improve reliability and lessen drawdown near MFL water bodies.

38. The permittee shall submit, to the District, a compliance report pursuant to subsection 373.236(3), F.S. The permittee shall submit the report by May 11, 2019. The report shall contain sufficient information to demonstrate that the permittee's use of water will continue, for the remaining duration of the permit, to meet the conditions for permit issuance set forth in the rules that existed when the District issued the permit. At a minimum, the compliance report must:

    a. include documentation verifying that the source is capable of supplying the needs authorized by this permit without causing harm to water resources;
    b. include documentation verifying that the use of water is efficient and that the permittee is implementing all feasible water conservation measures and all feasible reuse of reclaimed water;
    c. include information documenting that the projected allocation is needed; and
    d. include information demonstrating that the lowest quality source of water, including reclaimed water, is being used to meet water demands, unless the permittee demonstrates that such use is not feasible under District rules. Such information shall include a report of the permittee's efforts in seeking potential water supply partners with whom the permittee could implement projects that would provide a source of lower quality water to meet the permittee's water demands.

St. Johns River Water Management District

# E-Permitting

A quick reference guide

To submit electronically go to *floridaswater.com/permitting.*

Access the statewide permitting portal at *http://floridawaterpermits.com.*

## Account creation

- **Who needs an account?**

  An account is needed if you wish to subscribe to permit and application notice email lists or to submit any permit applications or compliance data online. An account is not needed to search permitting data via E-Permitting.

- **Where is my account information stored?**

  This data is in a secure file with encrypted passwords. It is not visible to others.

- **How do I create an account?**
  - Go to *floridaswater.com.*
  - Click on "Permitting."
  - Click on "Create an Account."

## Application submittal

- **How do I log in to submit information?**
  - Go to *floridaswater.com.*
  - Click on "Permitting."
  - Click on "Sign in to existing account."
  - Enter user name and password.
  - Click on "Sign in."

- **What types of applications can I submit?**

  Well construction, consumptive use, environmental resource, landscape irrigation and contractor licensing permit applications are available online. Your online account will allow you to submit new applications, renewals, modifications, combine permits or permit extensions.

- **How do I know what sections I need for a permit?**

  When you select a permit type (environmental resource permit — ERP) or use type(s) (consumptive use permit — CUP), the system will select and present only the sections and supplemental forms required.

- **What information must I submit?**

  The minimum amount of information required before an application can be submitted is shown by red asterisks in the online application.

- **How can I send reports or other documents with my application?**

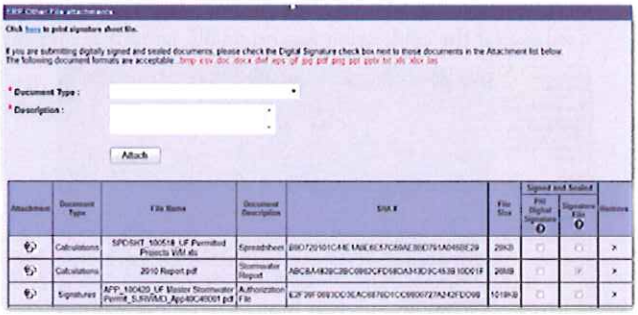
  There are two ways to send reports or other documents.

  1. From the ERP or CUP Services page under Application Sent Pending Acceptance or Applications Accepted by



District under Review folders, click on the View button under Document Management. Next, click the Attach New Document button to bring up a new window to attach the document. Select an appropriate Document Type from the drop-down menu and add a short description of the document, then click on Attach and browse to the desired document and press the Enter key. You can attach more than one file if needed. **You do not need to attach reports or plans one page at a time.** Examples are multipage plans combined into one PDF file or previous years' monthly operating reports as multiple sheets in an Excel workbook.

2. Under Account Services, click on Additional Attachments. Enter the permit and sequence number and click on the Go button. Select an appropriate Document Type from the drop-down menu and add a short description of the document, then click on Attach and browse to the desired document and press the Enter key. This method can be used even if the original application was paper.




## Plans and electronic signature

- **What about engineering plans?**

  The District accepts two electronic methods for signing and sealing.

  1. You may submit PKI digitally signed documents, as described in paragraph two of the 61G15 *Florida Administrative Code* (F.A.C.). Examples of products that

meet the 61G15 F.A.C. requirements can be found at *Adobe.com, Entrust.com* and *GlobalSign.com*. Check the PKI Digital Signature box to notify review staff that the file has been digitally signed.

2. The District also supports the receipt of signature files containing the file names and SHA numbers of plans, calculations or other file types. Once your application has been submitted, you will be able to create a pen signature file for the electronic submittals you wish to sign. This form will list the files that you select from the files submitted with the application, the SHA number for each file, and the file name. This signature file is printed and mailed to District headquarters.

## Team members

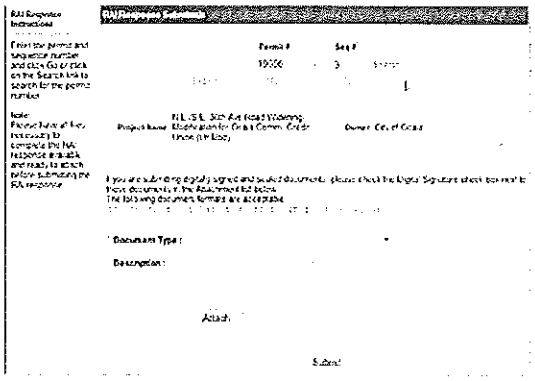
- **How can I collaborate with others on an application?**

  Anyone who has created an application that has not yet been submitted (in draft mode) can "delegate" rights on the application to other E-Permitting account holders. Select the Team Members tab to add delegates. Enter either the user name or email address of the account holder, select Edit or Pay, or both Edit and Pay and click on the Add Team Member button. The application will be flagged as ready for submittal and an email will be sent to all delegates letting them know that they have rights on the draft application. Team members can edit a page but only the original owner of the application can submit the application to the District.

## RAI response

- **Can I respond to RAIs online?**

  There are two ways that this can be done. You may select the Document Management link for the application that is currently under review from your ERP Services or CUP Services page. Under Document Management, select View and then Attach New Document. Select Document Type, enter a description and then click on Attach. You may also use the RAI Response link on your Account Services page. Enter the permit number and click Go. You may then attach files. NOTE: This method can be used even if the application was originally submitted on paper.



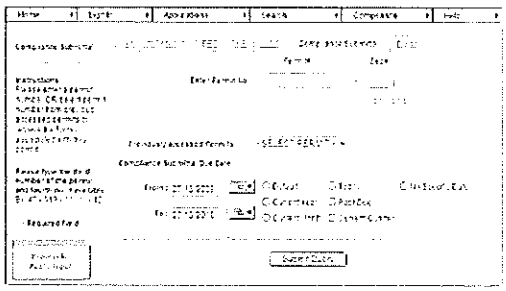
## Compliance submittal

- **What types of compliance reports can I submit?**

  All required compliance reports can be submitted.

- **How do I know when compliance reports are due?**

  After you have logged in, select Compliance from the main menu and enter the permit number and desired date range. All compliance reports due in that time frame for that permit will be displayed. This list can be sorted by compliance submittal name, compliance number or date due.



- **What if the application was submitted on paper?**

  You can still attach additional files, make additional application payments, respond to an RAI or submit compliance reports with an E-Permitting account. The Account Services home page has a link for each of these functions. Just select the appropriate action, enter the permit application number and complete the process.

## Payment

- **Must I pay the application fee online?**

  Yes. Payment is required for application submittal. Your online checking account or credit card payment is made using a secure connection to our banking service's payment site. Your credit card or checking account information is encrypted as it travels across the Internet. Because the bank service processes these transactions, the District and District employees do not have access to your credit card information, nor is any of the information retained as part of the public record. Cards accepted are VISA, MasterCard and American Express.

## Getting help

- **How do I get help?**

  **General information on consumptive use permits and environmental resource permits**

  Shannon Barican (386) 329-4570

  **Agricultural Assistance Team**

  Vince Singleton (386) 329-4197

**St. Johns River Water Management District**
4049 Reid Street • Palatka, FL 32177
(800) 725-5922 • floridaswater.com
July 2011

# FLORIDA DEPARTMENT OF Environmental Protection

**Central District**
**3319 Maguire Boulevard, Suite 232**
**Orlando, Florida 32803-3767**

**Ron DeSantis**
Governor

**Jeanette Nuñez**
Lt. Governor

**Noah Valenstein**
Secretary


Sent via email: shanahan@ormondbeach.org

NOTICE OF PERMIT

In the Matter of an
Application for Permit by:
City of Ormond Beach
22A Beach Street
Ormond Beach, FL

Volusia County - DW
Ormond Beach WRF
Wastewater Permit Application
DEP File No: FL0020532-023-DW1P

ATTENTION Joyce A. Shanahan,
City Manager

Enclosed is Permit Number FL0020532 to operate a domestic wastewater facility issued under Sections 403.087 and 403.0885 of the Florida Statutes.

Judicial Review

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68, F.S. by the filing of a notice of appeal under Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days after this order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Environmental Administrator
Permitting and Waste Cleanup Program

RP/dj

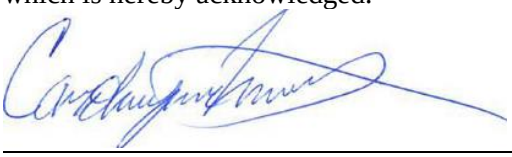
Enclosures: Draft Permit No. FL0020532, DMRs, and Fact Sheet
Pathogen Monitoring Report,

Location and Reuse Service Area Maps

**CERTIFICATE OF SERVICE**
The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Kevin Lee, P.E., Mead & Hunt, Kevin.Lee@meadhunt.com
DEP: David Smicherko, Dennise Judy

**FILING AND ACKNOWLEDGMENT**
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

May 8, 2020
Date

FLORIDA DEPARTMENT OF
Environmental Protection

Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary

# STATE OF FLORIDA
# DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**
City of Ormond Beach

**RESPONSIBLE OFFICIAL:**
Ms. Joyce Shanahan, City Manager
22 S Beach St
Ormond Beach, Florida 32174- 6386
(386) 676-3200
shanahan@ormondbeach.org

**FACILITY:**
Ormond Beach WRF
550 N Orchard St
Ormond Beach, FL 32174-9512
Volusia County
Latitude: 29°17' 20.27" N Longitude: 81°4' 24.32" W

**PERMIT NUMBER:** FL0020532 (Major)
**FILE NUMBER:** FL0020532-023-DW1P
**ISSUANCE DATE:** **May 8, 2020**
**EFFECTIVE DATE:** **May 8, 2020**
**EXPIRATION DATE:** **May 7, 2025**

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above-named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

Treatment is provided by an existing 8.0 MGD annual average daily flow (AADF) permitted capacity advanced wastewater treatment (AWT) plant with an odor control system, influent screening, grit removal, biological nutrient removal (carousel type, 5-stage Bardenpho Process), re-aeration, chemical feed facilities, secondary clarification, tertiary filtration, high level disinfection, with post-aeration and dechlorination for the river discharge, and thickening, followed by dewatering, of biosolids. This permit authorizes modification of the piping, valving, and associated appurtenances to retrofit an existing Reclaimed Water (RW) Equalization (EQ) basin for use as a supplemental chlorine contact chamber.

**REUSE OR DISPOSAL:**

**Surface Water Discharge D-001** is an existing 6.0 MGD annual average daily flow discharge to the Halifax River, Class III Marine waters, (WBID# 2363B). The outfall pipe is approximately 1000 feet in length and discharges at a depth of approximately 5 feet. The point of discharge is located approximately at latitude 29°17' 50" N, longitude 81°3' 26" W.

**Land Application R-001** is an existing 10.0 MGD annual average daily flow permitted capacity slow-rate public access reuse (PAR) system. R-001 consists of irrigation within the approved Reuse Service Area as shown on the attached map, to the major users identified in Part IV.A.2 of this permit. This reuse system may receive reclaimed water (RW) from the Holly Hill PAR system. Excess reclaimed water and substandard effluent are discharged to D-001.

The following ground water sources may be used to augment the supply of reclaimed water: The Hunter's Ridge and Breakaway Trails RW storage systems receive water from supplemental groundwater wells prior to distribution within the service area.

Demineralization concentrate is blended with RW for irrigation via the public access reuse (PAR) system.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 27 of this permit.

## I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Surface Water Discharges

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001 to Halifax River. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.

| | | | Effluent Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Flow | MGD | Max<br>Max | 6.0<br>Report | Annual Average<br>Monthly Average | Continuous | Calculated | FLW-1 | See I.A.4 |
| Flow | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-10 | See I.A.4 |
| Flow | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-6 | See I.A.4 |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | See I.A.6 |
| Solids, Total Suspended | mg/L | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | See I.A.6 |
| Coliform, Fecal | #/100mL | Max<br>Max<br>Max<br>Max | 200<br>200<br>400<br>800 | Monthly Geometric Mean<br>Annual Average<br>90th Percentile<br>Single Sample | 5 Days/Week | Grab | EFA-1 | See I.A.7 and I.A.8 |
| Coliform, Fecal | #/100mL | Max<br>Max<br>Max<br>Max | 200<br>200<br>400<br>800 | Monthly Geometric Mean<br>Annual Average<br>90th Percentile<br>Single Sample | 5 Days/Week | Grab | EFA-2 | See I.A.7 and I.A.8 |
| Enterococci | #/100mL | Max<br>Max | 35<br>130 | Monthly Geometric Mean<br>90th Percentile | 5 Days/Week | Grab | EFD-1 | See I.A.7 and I.A.8 |
| pH | s.u. | Min<br>Max | 6.5<br>8.5 | Single Sample<br>Single Sample | Continuous | Meter | EFD-1 | See I.A.3 |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | Continuous | Meter | EFA-1 | See I.A.3 and I.A.9 |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | Continuous | Meter | EFA-2 | See I.A.3 and I.A.9 |
| Chlorine, Total Residual (For Dechlorination) | mg/L | Max | 0.01 | Single Sample | Daily; 24 hours | Grab | EFD-1 | |

| | | | Effluent Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Nitrogen, Total | mg/L | Max<br>Max<br>Max | 3.0<br>4.5<br>6.0 | Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | See I.A.**Error! Reference source not found.** |
| Phosphorus, Total (as P) | mg/L | Max<br>Max<br>Max | 1.0<br>1.5<br>2.0 | Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | |
| Oxygen, Dissolved (DO) | mg/L | Min | 4.0 | Single Sample | Daily; 24 hours | Grab | EFD-1 | |
| Nitrogen, Total | lb/yr | Max<br>Max | 54831<br>Report | Annual Total<br>Monthly Total | Monthly | Calculated | EFD-1 | See I.A.**Error! Reference source not found.** |
| Phosphorus, Total (as P) | lb/yr | Max<br>Max | 18278<br>Report | Annual Total<br>Monthly Total | Monthly | Calculated | EFD-1 | |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia) | percent | Min | 100 | Single Sample | Semi-Annually; twice per year | 4 grabs/24 hr.period | EFD-1 | See I.A.10 |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi) | percent | Min | 100 | Single Sample | Semi-Annually; twice per year | 4 grabs/24 hr.period | EFD-1 | See I.A.10 |
| Dichlorobromomethane | ug/L | Max | 100 | Annual Average | Monthly | Grab | EFD-1 | See I.A.11 |
| Enterococci | #/100mL | Max<br>Max | 35<br>104 | Monthly Geometric Mean<br>Single Sample | 5 Days/Week | Grab | EFD-1 | See I.A.7 and I.A.8 |

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|---|---|
| FLW-10 | Flow to D-001 |
| FLW-6 | Flow to D-001 during by-pass of RW EQ basin |
| EFD-1 | Sample point after dechlorination |
| EFA-1 | Sampling point after chlorination |
| EFA-2 | Sample Point at end of the converted RW EQ basin when being used as a CCC |

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. *[62-600.660(1)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. **The sum of the two flows shall not exceed 6.0 MGD on an annual average basis**. *[62-600.200(25)]*

5. The discharge shall not contain components that, alone or in combination with other substances or in combination with other components of the discharge:

a. Settle to form putrescent deposits or otherwise create a nuisance; or

b. Float as debris, scum, oil, or other matter in such amounts as to form nuisances; or

c. Produce color, odor, taste, turbidity, or other conditions in such degree as to create a nuisance; or

d. Are acutely toxic; or

e. Are present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant, locally occurring, wildlife or aquatic species, unless specific standards are established for such components in subsection 62-302.500(2) or Rule 62-302.530, F.A.C.; or

f. Pose a serious danger to the public health, safety, or welfare.

*[62-302.500(1)(a)]*

6. In accordance with subsections 62-600.420(1) and (2), F.A.C., the monthly average effluent CBOD5 and TSS concentrations shall not exceed 15% of their respective influent values (i.e., 85% removal). *[62-600.420(1) and (2)]*

7. The effluent limitations for the monthly geometric means for fecal coliform and enterococci are only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric means shall be calculated and reported on the Discharge Monitoring Report, but shall not be used to determine compliance with the limitations for the monthly geometric means. The monthly geometric mean for fecal coliform shall be used to calculate the annual average. All other fecal coliform and enterococci effluent limitations included in permit condition I.A.1 apply regardless of the number of values reported. *[62-600.440(5)(b)] [62-302.530]*

8. To report the "90th percentile,"

   a. Place the bacteria results in ascending order (from lowest to highest value) and assign each sample a number, 1 for the lowest value.

   b. Multiply the total number of samples by 0.9 to determine the 90th percentile level.

   c. Report the value of the sample that corresponds to the 90th percentile level (e.g., 10 samples x 0.9 = 9, report the value of the 9th sample). If the 90th percentile level is not a whole number, rounding or interpolation should be used to determine the 90th percentile. When rounding, round down to the nearest whole number if the decimal is 0.4 or lower, and round up to the nearest whole number if the decimal is 0.5 or higher (e.g., 12 samples x 0.9 = 10.8, report the value of the 11th sample if rounding).

   *[62-600.440(5)(a)3] [62-302.530]*

9. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-600.440(5)(c), (6)(b), and (7)(c)]*

10. The permittee shall comply with the following requirements to evaluate acute whole effluent toxicity of the discharge from outfall D-001.

    a. Effluent Limitation

       (1) In any routine or additional follow-up test for acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent. [Rules 62-302.200(1), 62-302.500(1)(a)4., 62-4.244(3)(a), and 62-4.241, F.A.C.]

    b. Monitoring Frequency

       (1) Routine toxicity tests shall be conducted once every six months, the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.

    c. Sampling Requirements

       (1) Routine tests shall be conducted on four separate grab samples collected at evenly-spaced (6-hr) intervals over a 24-hour period. The four grab samples shall be used in eight bioassays (four bioassays for each species) and shall represent one test. **If the duration of the discharge is less than 24-hours, a shortened sampling protocol will be used and the duration of discharge shall be documented on the chain of custody.**

       (2) For additional follow-up tests, the first test shall be conducted on four separate grab samples collected at evenly-spaced (6-hr) intervals over a 24-hour period. The four grab samples shall be used in four

separate bioassays for each species that failed the routine test. The four grab samples represent one test. The second follow-up test shall be run on a single grab sample collected on the day and time when the greatest toxicity was identified in the routine or first additional follow-up test.

d. Test Requirements

(1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 75%, 50%, 25%**, and **12.5%** effluent.

(2) The permittee shall conduct 96-hour acute static renewal multi-concentration toxicity tests using the daphnid, **Ceriodaphnia dubia**, and the bannerfin shiner, **Cyprinella leedsi**, concurrently.

(3) All test species, procedures and quality assurance criteria used shall be in accordance with **Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms**, 5th Edition, EPA-821-R-02-012. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct acute toxicity testing in accordance with the revised method.

(4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-012, Table 7.

e. Quality Assurance Requirements

(1) A standard reference toxicant (SRT) quality assurance (QA) acute toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly acute toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.

(2) If the mortality in the control (0% effluent) exceeds 10% for either species in any test, the test for that species (including the control) shall be invalidated and the test repeated. The repeat test shall begin within 14 days after the last day of the invalid test.

(3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 10% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.

(4) Routine and additional follow-up tests shall be evaluated for acceptability based on the concentration-response relationship, as required by EPA-821-R-02-012, Section 12.2.6.2., and included with the bioassay laboratory reports.

f. Reporting Requirements

(1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:

(a) Routine Test Results: If an LC50 >100% effluent occurs in all four separate grab sample tests for the test species, ">100%" shall be entered on the DMR for that test species. If in any of the four separate grab sample tests for the test species an LC50 <100% effluent occurs, the lowest calculated LC50 effluent concentration shall be entered on the DMR for that test species.

(b) Additional Follow-up Test Results: For each additional test required, the calculated LC50 value shall be entered on the DMR for that test species.

(2) A bioassay laboratory report for the routine test shall be prepared according to EPA-821-R-02-012, Section 12, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.

(3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-012, Section 12, and mailed within 30 days after the last day of the second valid additional follow-up test.

(4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.

(5) The same bioassay data shall not be reported as the results of more than one test.

(6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection

Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

g. Test Failures

(1) A test fails when the test results do not meet the limits in 10.a.(1).

(2) Additional Follow-up Tests:

(a) If a routine test does not meet the acute toxicity limitation in 10.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 10.d.

(b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.

(c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 75%, 50%, 25%, and 12.5% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be statistically analyzed according to the procedures in EPA-821-R-02-012.

(3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.

(a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.

(b) The Department shall review and approve the plan before initiation.

(c) The plan shall be initiated within 30 days following the Department's written approval of the plan.

(d) Progress reports shall be submitted quarterly to the Department at the address above.

(e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 10.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 10.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-012, a repeat test shall be initiated within 14 days after the last day of the invalid routine test.

(f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 10.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 14 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.

(4) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for whole effluent toxicity failures.

*[62-4.241, 62-620.620(3)]*

11. A mixing zone for dichlorobromomethane (DCBM) has been approved in accordance with DEP permit file number FL0020532-012-DWIP and is described as a rectangle centered along the point of discharge with a mixing zone of 539 square meters. *[62-302.530(35)(b)5]*

12. The current effluent nutrient loading limits were established in the finalized Halifax River TMDL Report on July 1, 2013. Mass load shall be calculated Monthly for each calendar month of the reporting period by formula:

Monthly ADF MGD x Month Average TP or TN mg/L x 8.34 = lb/day TP or TN

lb/day TP or TN x days/month = Pounds TP or TN. This must be reported on the DMR for Outfall D-001

A cumulative total for all previously reported months, in the current calendar year, shall be submitted with each monthly reporting period. The numeric load limit, in lb/year, is for January through December, not a rolling 12-month total. [62-304 and 2013 Halifax River TMDL Report]

**B. Reuse and Land Application Systems**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to supplement reclaimed water with ground water and direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

| | | | Reclaimed Water Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Flow | MGD | Max<br>Max | 10.0<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-2 | See I.B.4 |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max<br>Max<br>Max<br>Max | 20.0<br>30.0<br>45.0<br>60.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFA-1 | |
| Solids, Total Suspended | mg/L | Max | 5.0 | Single Sample | Daily; 24 hours | Grab | EFB-1 | |
| Coliform, Fecal | #/100mL | Max | 25 | Single Sample | Daily; 24 hours | Grab | EFA-1 | |
| Coliform, Fecal, % less than detection | percent | Min | 75 | Monthly Total | Daily; 24 hours | Calculated | EFA-1 | See I.B.5 |
| pH | s.u. | Min<br>Max | 6.0<br>8.5 | Single Sample<br>Single Sample | Continuous | Meter | EFA-1 | See I.B.3 |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 1.0 | Single Sample | Continuous | Meter | EFA-1 | See I.B.6 and I.B.9 |
| Turbidity | NTU | Max | Report | Single Sample | Continuous | Meter | EFB-1 | See I.B.7 and I.B.9 |
| Giardia | cysts/100L | Max | Report | Single Sample | Bi-annually; every 2 years | Grab | EFA-1 | See I.B.10 |
| Cryptosporidium | oocysts/100L | Max | Report | Single Sample | Bi-annually; every 2 years | Grab | EFA-1 | See I.B.10 |
| Flow (Ground Water from Hunters Ridge Well) | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-7 | |
| Flow (Ground Water from Breakaway Trails Well) | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-7 | |
| Coliform, Fecal (Ground Water from Hunters Ridge Well) | #/100mL | Max | Report | Single Sample | Quarterly | Grab | OTH-2 | |
| Coliform, Fecal (Ground Water from Breakaway Trails Well) | #/100mL | Max | Report | Single Sample | Quarterly | Grab | OTH-3 | |
| Flow (Concentrate) | MGD | Max<br>Max | 1.0<br>Report | Annual Average<br>Monthly Average | Continuous | Meter | FLW-3 | |

| | | | Reclaimed Water Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Nitrogen, Total | mg/L | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Weekly | 24-hr FPC | EFA-1 | |
| Solids, Total Suspended (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Phosphorus, Total (as P) | mg/L | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Weekly | 24-hr FPC | EFA-1 | |
| pH (Blend) | s.u. | Max<br>Min | Report<br>Report | Single Sample<br>Single Sample | Weekly | Grab | OTH-1 | See I.B.3 |
| Specific Conductance (Blend) | umhos/ cm | Max | Report | Single Sample | Continuous | Meter | OTH-1 | See I.B.11 |
| Fluoride, Total (as F) (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Blend Ratio (1:2.5) | ratio | Max | 0.40 | Single Sample | Continuous | Calculated | CAL-2 | |
| Sodium Adsorption Ratio (Blend) | ratio | Max | Report | Single Sample | Weekly | Calculated | OTH-1 | |
| Sodium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Magnesium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Calcium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Chloride (as Cl) (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Solids, Total Dissolved (TDS) (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|---|---|
| FLW-2 | Flow meter to the public access reuse system |
| EFA-1 | Sampling point after chlorination |
| EFB-1 | After filtration and prior to disinfection |
| FLW-7 | Supplemental GW flow from Hunters Ridge Well |
| OTH-2 | Groundwater from Hunters Ridge well |
| OTH-3 | Groundwater from Breakaway Trails well |
| FLW-3 | Total concentrate (FLW-4 + FLW-5) |
| OTH-1 | Sample point at mainland pump station (blend of RW and concentrate) |
| CAL-2 | Concentrate flow divided by the flow to the public access reuse system |

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[62-600.660(1)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-600.200(25)]*

5. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). *[62-600.440(6)(a)]*

6. The minimum total chlorine residual shall be limited as described in the currently approved operating protocol such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(6)(b)][62-610.460(2)][62-610.463(2)]*

7. The maximum turbidity shall be limited as described in the currently approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*

8. The treatment facilities shall be operated in accordance with the currently approved operating protocol(s). Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: D-001. *[62-610.320(6) and 62-610.463(2)]*

9. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. *[62-610.463(2)]*

10. Intervals between sampling for Giardia and Cryptosporidium shall not exceed *[62-610.472(3)(d)]*

11. The maximum specific conductance shall be limited as described in the approved operating protocol. *[62-610.865(9)(a)]*

**C. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.8.:

| | | | Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Flow (total through plant) | MGD | Max<br>Max<br>Max | 8.0<br>Report<br>Report | Annual Ave<br>Monthly Ave<br>Quarterly Ave | Continuous | Recording Flow Meter w/Totalizer | INF-1 | See I.C.4 |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max | Report | Monthly Average | Monthly | Calculated | INF-1 | |
| BOD, Carbonaceous 5 day, 20C (Influent) | mg/L | Max | Report | Single Sample | 5 Days/Week | 24-hr FPC | INF-2 | See I.C.3 |
| Solids, Total Suspended (Influent) | mg/L | Max | Report | Single Sample | 5 Days/Week | 24-hr FPC | INF-2 | See I.C.3 |

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|---|---|
| INF-1 | Influent flow meter (Parshall Flume) |
| INF-2 | Raw influent to the headworks |

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. *[62-600.660(4)(a)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-600.200(25)]*

5. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Central District Office and to DEP's Reuse Coordinator in Tallahassee. *[62-610.300(4)(a)]*

6. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-600, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table" is available at https://floridadep.gov/dear/quality-assurance/content/quality-assurance-resources . The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting if it meets the following requirements:

   a. The laboratory's reported MDL and PQL values for the specific method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;

   b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and

   c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

   When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

   Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. *[62-4.246, 62-160]*

7. The permittee shall provide safe access points for obtaining representative samples which are required by this permit. *[62-600.650(2)]*

8. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period | Submit by |
|---|---|---|
| Monthly | first day of month - last day of month | 28th day of following month |
| Once Every Two Months | January 1 - February 28/29<br>March 1 - April 30<br>May 1 - June 30<br>July 1 - August 31<br>September 1 - October 31<br>November 1 - December 31 | March 28<br>May 28<br>July 28<br>September 28<br>November 28<br>January 28 |
| Quarterly | January 1 - March 31 | April 28 |

| REPORT Type on DMR | Monitoring Period | Submit by |
|---|---|---|
| | April 1 - June 30<br>July 1 - September 30<br>October 1 - December 31 | July 28<br>October 28<br>January 28 |
| Semiannual | January 1 - June 30<br>July 1 - December 31 | July 28<br>January 28 |
| Annual | January 1 - December 31 | January 28 |

The permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at http://www.fldepportal.com/go/, unless the permittee has a waiver from the Department in accordance with 40 CFR 127.15. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation.

*[62-620.610(18)][62-600.680(1)]*

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, total coliform, color, odor, and residual disinfectants). These monitoring results shall be reported to the Department annually on the RWS-A DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. When such a certification is submitted with the DMR, monitoring not required this period should be noted on the DMR. The annual reclaimed water or effluent analysis report, and certification if applicable, shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by January 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-600.660(2) and (3)(d)][62-600.680(2)][62-610.300(4)]*

10. An annual scan of the parameters listed as primary and secondary drinking water standards in Chapter 62-550, F.A.C. (except for turbidity, total coliforms, color, and corrosivity), shall be conducted for the demineralization concentrate (RWS-C) and the blend (RWS-B). The permittee shall submit the annual summaries of water quality in the reclaimed water, the concentrate, the blend, and ground water monitoring wells (RWS-G). Correlations between specific conductance and chloride, and total dissolved solids shall be developed and reported. The summary shall include an evaluation of any adverse effects on vegetation and ground water quality and needed corrective actions, including needed revisions to the operating protocol. Results of the annual scans and annual summary shall be submitted with the February DMR each year. *[62-610.865(8)(f) & (11)]*

11. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*

12. The operating protocols, for the Public Access Reuse System and the blending of concentrate, were submitted and approved during the permit renewal process. These protocols shall remain in affect until any revisions are reviewed and approved by the Department. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements and established demineralization concentrate blend ratio and specific conductance limit. Updated operating protocols shall be submitted to the Department's Central District Office for review and approval upon revision of the operating protocol(s) and with each permit application. *[62-610.320(6)][62-610.463(2)][62-610.865(9)]*

13. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's Central District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. *[62-610.464(5)]*

14. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

**Email (preferred):** DEP_CD@FLoridaDEP.gov

Or:

Florida Department of Environmental Protection
Central District
3319 Maguire Blvd
Suite 232
Orlando, Florida 32803-3767

Phone Number - (407)897-4100

*[62-620.305]*

15. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

### A. Basic Requirements

1. Biosolids generated by this facility may be transferred to Shelley's BTF or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. *[62-620.320(6), 62-640.880(1)]*

2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. *[62-640.650(4)(a)]*

3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.C.8.

| | | | Biosolids Limitation | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Biosolids Quantity (Transferred) | dry tons | Max | Report | Monthly Total | Monthly | Calculated | RMP-1 | |
| Biosolids Quantity (Landfilled) | dry tons | Max | Report | Monthly Total | Monthly | Calculated | RMP-1 | |

*[62-640.650(5)(a)1]*

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

| Monitoring Site Number | Description of Monitoring Site Calculations |
|---|---|
| RMP-1 | Biosolids leaving site |

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-640.400(6)]*

6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. *[62-640.300(4)]*

7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. *[62-640.400(9)]*

**B. Disposal**

1. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(b) & (c)]*

**C. Transfer**

1. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. *[62-640.880(1)(b)]*

2. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility
1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)
4. Name and ID Number of treatment facility
5. Signature of responsible party at source facility
6. Signature of hauler and name of hauling firm

Biosolids Treatment Facility or Treatment Facility
1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility
4. Signature of hauler
5. Signature of responsible party at treatment facility

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

*[62-640.880(4)]*

**D. Receipt**

1. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*

## III. GROUND WATER REQUIREMENTS

**A. Construction Requirements**

1. The permittee shall give at least 72-hour notice to the Department's Central District Office, prior to the installation of any monitoring wells. *[62-520.600(6)(h)]*

2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. *[62-520.600(6)(g)]*

3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Central District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. *[62-520.600(6)(j) and .900(3)]*

4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. *[62-532.500(5)]*

**B. Operational Requirements**

1. For the Part III Public Access system, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge shall extend horizontally 100 feet from the application site(s) or to the property boundaries, whichever is less, and vertically to the base of the surficial aquifer. *[62-520.200(27)] [62-520.465]*

2. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. *[62-520.400 and 62-520.420(4)]*

3. If the concentration for any constituent listed in Permit Condition III.6. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. *[62-520.420(2)]*

4. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.5., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. *[62-520.600] [62-610.463]*

5. The following monitoring wells shall be sampled for Reuse System R-001.

| Monitoring Well ID | Alternate Well Name and/or Description of Monitoring Location | Latitude | Longitude | Depth (Feet) | Aquifer Monitored | Well Type | New or Existing |
|---|---|---|---|---|---|---|---|
| MWB-1 | Well Name MW-1 Golf Course WAFR 7328 3064A16235 | 29°17' 28" | 81°2' 43" | 20 | Surficial | Background | Existing |
| MWC-2 | Well Name MW-2 Golf Course WAFR 7327 3064A16236 | 29°17' 46" | 81°2' 44" | 15 | Surficial | Compliance | Existing |
| MWC-3A | Well Name MW-3A Golf Course WAFR 46550 3064A16237 | 29°18' 16" | 81°2' 58" | 15 | Surficial | Compliance | Existing |
| MWC-4 | Well Name MW-4 Golf Course WAFR 7325 3064A16238 | 29°17' 44" | 81°2' 30" | 15 | Surficial | Compliance | Existing |
| MWC-5A | Well Name MW-5A Golf Course WAFR 46551 3064A16239 | 29°18' 8" | 81°2' 44" | 15 | Surficial | Compliance | Existing |

*[62-520.600] [62-610.463]*

6. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.5.:

| Parameter | Compliance Well Limit | Units | Sample Type | Monitoring Frequency |
|---|---|---|---|---|
| Water Level Relative to NGVD | Report | ft | In Situ | Quarterly |
| Nitrogen, Nitrate, Total (as N) | 10 | mg/L | Grab | Quarterly |
| Solids, Total Dissolved (TDS) | 500 | mg/L | Grab | Quarterly |
| Chloride (as Cl) | 250 | mg/L | Grab | Quarterly |
| Coliform, Fecal | 4 | #/100mL | Grab | Quarterly |
| pH | 6.5-8.5 | s.u. | Grab | Quarterly |
| Sulfate, Total | 250 | mg/L | Grab | Quarterly |
| Turbidity | Report | NTU | Grab | Quarterly |
| Sodium, Total Recoverable | 160 | mg/L | Grab | Quarterly |
| Trihalomethane, Total by summation | 80 | ug/L | Grab | Quarterly |
| Bis (2-ethylhexyl) phthalate | 0.006 | mg/L | Grab | Quarterly |

*[62-520.600(11)(b)] [62-600.670] [62-600.650(3)] [62-520.310(5)]*

7. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. *[62-520.600(11)(c)] [62-610.463(3)(a)]*

8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. *[62-160.210] [62-600.670(3)]*

9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Central District Office as being more representative of ground water conditions. *[62-520.310(5)]*

10. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.C.8. *[62-520.600(11)(b)] [62-600.670] [62-600.680(1)] [62-620.610(18)]*

11. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Central District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Central District Office before installation. *[62-520.600(6)(l)]*

12. The permittee shall sample the following monitoring well(s): MWC-5A for the primary and secondary drinking water parameters included in Rules 62-550.310 and 62-550.320, F.A.C., (except for asbestos and all parameters in Table 5 of Chapter 62-550, F.A.C., other than Di(2-ethylhexyl) adipate and Di(2-ethylhexyl) phthalate). Results of this sampling shall be submitted to the Department's Central District Office with the application for permit renewal. Sampling shall occur no sooner than 180 days before submittal of the renewal application and reported using the RWS-G DMR. *[62-520.600(5)(b)]*

## IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

### A. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area identified in the attached map. The following uses of reclaimed water are authorized within this general service area:

   Athletic Complexes and Parks
   Golf Courses
   Other Landscape Irrigation
   Residential Developments

   *[62-620.630(10)(a)]*

2. This reuse system includes the following major user(s) of reclaimed water (i.e., using 0.1 MGD or more) and general service area(s):

| Site Number | User Name | User Type | Capacity (MGD) | Acreage |
|---|---|---|---|---|
| PAA-1 | North Peninsula Residential development | Residential Developments | 1.38 | 595 |
| PAA-2 | Residential/Recreational Open Space Residential Development | Golf Courses | 1.38 | 594 |
| PAA-3 | Golf Courses/Oceanside; Tomoka Oaks; River Bend | Other Landscape Irrigation | 2.38 | 437 |
| PAA-4 | Western Ormond Beach-Residential | Athletic Complexes and Parks | 3.26 | 1399 |
| PAA-5 | South Peninsula-Residential | Golf Courses | 1.57 | 676 |
| PAA_6 | Ormond Beach WRF | Other Landscape | 0.02 | 12 |
| | | Total | 10.0 | 3713 |

*[62-610.800(5)] [62-620.630(10)(b)]*

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. *[62-610.890]*

4. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*

5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. *[62-610.469(7)]*

6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*

7. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:

   a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.

   b. If the potable water system is contaminated, clear the potable water lines.

   c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.

   d. Test the affected area for other possible cross-connections.

   e. Within 24 hours, notify the Department's Central District Office's domestic wastewater and drinking water programs.

   f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Central District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

   *[62-555.360][62-620.610(20)]*

8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*

9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*

10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*

11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*

12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*

13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*

14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*

15. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*

16. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*

17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*

18. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

Supplemental Water Supplies - Ground Water

19. An approved backflow prevention device, as described in Rule 62-555.360, F.A.C., shall be provided on the pipe from each well connected into the reclaimed water system. *[62-610.472(4)]*

20. The supplemental water supply pipes and appurtenances shall be color coded and marked to differentiate them from the reclaimed water and potable water facilities. *[62-610.472(4)]*

21. Facilities used to connect supplemental water supplies into the reclaimed water distribution system shall be located and documented in the record drawings for the reuse system. *[62-610.472(7)]*

<u>Blending of Concentrate with Reclaimed Water</u>

22. Demineralization concentrate from Ormond Beach Water Treatment Plant may be blended with the treated reclaimed water. Concentrate shall be blended with the reclaimed water at final plant effluent/reclaim water. *[62-610.865]*

## V. OPERATION AND MAINTENANCE REQUIREMENTS

### A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of one or more operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

   A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.

   *[62-620.630(3)][62-699.310] [62-610.462]*

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (6) and (1)]*

### B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*

2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*

### C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
   a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
   b. Copies of all reports required by this permit for at least three years from the date the report was prepared;
   c. Records of all data, including reports and documents, used to complete the application for this permit for at least three years from the date the application was filed;
   d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
   e. A copy of the current wastewater facility permit;
   f. Copies of the current operation and maintenance manuals for the wastewater facility and the collection/transmission systems owned or operated by the wastewater facility permittee as required by Chapters 62-600 and 62-604, F.A.C.;
   g. A copy of any required record drawings for the wastewater facility and the collection/transmission systems owned or operated by the wastewater facility permittee;
   h. Copies of the licenses of the current certified operators;

i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and

j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

*[62-620.350, 62-604.500, 62-602.650, 62-640.650(4)]*

## VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

| Improvement Action | Completion Date |
|---|---|
| 1. Complete the conversion of the RW EQ tank to a supplemental chlorine contact chamber | 01/01/2021 |

*[62-620.320(6)]*

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:

   a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or

   b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

   Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3.A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. *[62-620.335(1) - (4)]*

## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

### A. Implementation Requirements

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. *[62-625.500]*

2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. *[62-625.410]*

3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:

   a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;

   b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;

   c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4)., F.A.C.; and

   d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation in accordance with Rule 62-625.600(16), F.A.C. For new local limits, a plan of study shall be submitted to the Department prior to initiating sampling required to develop the new local limits. This evaluation shall be submitted to the Department at the address in the condition below as required by the approved Industrial Pretreatment Program, or 180 days prior to the expiration of this permit.

   *[62-625.400 and .500]*

4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R for this facility, to the Department at the following address:

   Florida Department of Environmental Protection
   Domestic Wastewater Section, Mail Station 3540
   Bob Martinez Center
   2600 Blair Stone Road
   Tallahassee, Florida 32399-2400

   The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(f) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

   In order to comply with Rule 62-625.600(8)(f), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on February 1 of each year, to cover a period between January 1 to December 31. *[62-625.600(8) and (12)]*

5. No additional facilities are covered by the Ormond Beach WRF (FL0020532) pretreatment program.

6. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

| Monitoring Location Site Number | Description of Monitoring Location |
|---|---|
| PRT-I | Influent |
| PRT-E | Effluent |
| PRT-R | Residuals |

## VIII. OTHER SPECIFIC CONDITIONS

1. The permittee shall comply with all conditions and requirements for reuse contained in their consumptive use permit issued by the Water Management District, if such requirements are consistent with Department rules. *[62-610.800(10)]*

2. In the event that the wastewater facilities or equipment, including collection/transmission systems, no longer function as intended, are no longer safe in terms of public health and safety (including inactive or abandoned facilities), or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by paragraphs 62-600.400(2)(a) and 62-604.400(2)(c), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-600.410(5), 62-604.500(3) and 62-640.400(6)]*

3. All collection/transmission systems shall be operated and maintained so as to provide uninterrupted service. *[62-604.500(2)]*

4. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*

5. Cross-connection, as defined in Rule 62-550.200, F.A.C., between the wastewater facility, including the collection/transmission system, and a potable water system is prohibited. *[62-550.360][62-604.130(3)]*

6. The collection/transmission operation and maintenance manual shall be maintained and revised periodically in accordance with subsection 62-604.500(4), F.A.C., to reflect any alterations performed or to reflect experience resulting from operation. However, a new operation and maintenance manual is not required to be developed for each project if there is already an existing manual that is applicable to the facilities being constructed. *[62-604.500(4)]*

7. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*

8. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):

   a. Which may cause fire or explosion hazards; or

   b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or

   c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or

   d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding $40^{o}C$ or otherwise inhibiting treatment; or

   e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

   *[62-604.130(5)]*

9. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b)]*

10. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*

11. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*

12. The permittee shall provide verbal notice to the Department's Central District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Central District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*

## IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*

3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*

5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*

6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*

7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*

9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:

    a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;

    b. Have access to and copy any records that shall be kept under the conditions of this permit;

    c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and

    d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

    *[62-620.610(9)]*

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*

11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*

13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*

14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*

15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*

16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*

17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:

    a. A description of the anticipated noncompliance;

    b. The period of the anticipated noncompliance, including dates and times; and

    c. Steps being taken to prevent future occurrence of the noncompliance.

    *[62-620.610(17)]*

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-600, and 62-610, F.A.C., and 40 CFR 136, as appropriate.

    a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

    b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

    c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.

    d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

    e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.

    f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

    *[62-620.610(18)]*

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*

20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. For noncompliance events related to sanitary sewer overflows or bypass events, these reports must include the data described above (with the exception of time of discovery) as well as the type of event (sanitary sewer overflows or bypass events), type of sewer overflow (e.g., manhole), discharge volumes by the treatment works treating domestic sewage, types of human health and environmental impacts of the sewer overflow event, and whether the noncompliance was related to wet weather. The written submission may be provided electronically using the Department's Business Portal at http://www.fldepportal.com/go/ (via "Submit" followed by "Report" or "Registration/Notification"). Notice required under paragraph (d) may be provided together with the written submission using the Business Portal. All noncompliance events related to sanitary sewer overflows or bypass events submitted after December 21, 2020 shall be submitted electronically.

(a) The following shall be included as information which must be reported within 24 hours under this condition:

1. Any unanticipated bypass which causes any reclaimed water or the effluent to exceed any permit limitation or results in an unpermitted discharge,

2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,

3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and

4. Any unauthorized discharge to surface or ground waters.

(b) Oral reports as required by this subsection shall be provided as follows:

1. For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:

   a. Name, address, and telephone number of person reporting;

   b. Name, address, and telephone number of permittee or responsible person for the discharge;

   c. Date and time of the discharge and status of discharge (ongoing or ceased);

   d. Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);

   e. Estimated amount of the discharge;

   f. Location or address of the discharge;

   g. Source and cause of the discharge;

   h. Whether the discharge was contained on-site, and cleanup actions taken to date;

   i. Description of area affected by the discharge, including name of water body affected, if any; and

   j. Other persons or agencies contacted.

2. Oral reports, not otherwise required to be provided pursuant to subparagraph (b)1. above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.

(c) If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

(d) In accordance with Section 403.077, F.S., unauthorized releases or spills reportable to the StateWatch Office pursuant to subparagraph (b)1. above shall also be reported to the Department within 24 hours from the time the permittee becomes aware of the discharge. The permittee shall provide to the Department information reported to the State Watch Office. Notice of unauthorized releases or spills may be provided to the Department through the Department's Public Notice of Pollution web page at https://floridadep.gov/pollutionnotice.

1. If, after providing notice pursuant to paragraph (d) above, the permittee determines that a reportable unauthorized release or spill did not occur or that an amendment to the notice is warranted, the permittee may submit additional notice to the Department documenting such determination.

2. If, after providing notice pursuant to paragraph (d) above, the permittee discovers that a reportable unauthorized release or spill has migrated outside the property boundaries of the installation, the permittee

must provide an additional notice to the Department that the release has migrated outside the property boundaries within 24 hours after its discovery of the migration outside of the property boundaries.

*[62-620.610(20)] [62-620.100(3)] [403.077, F.S.]*

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. *[62-620.610(21)]*

22. Bypass Provisions.

    a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.

    b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:

        (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and

        (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

        (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.

    c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.

    d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.

    e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

    *[62-620.610(22)]*

23. Upset Provisions.

    a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.

        (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.

        (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.

    b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

        (1) An upset occurred and that the permittee can identify the cause(s) of the upset;

        (2) The permitted facility was at the time being properly operated;

        (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and

        (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.

c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.

d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

*[62-620.610(23)]*

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Environmental Administrator
Permitting and Waste Cleanup Program

Attachment(s):
Discharge Monitoring Report
Pathogen Monitoring Report Form
Map of the General Reuse Service Area

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

| | | | | | |
|---|---|---|---|---|---|
| PERMITTEE NAME: | City of Ormond Beach | PERMIT NUMBER: | FL0020532-023-DW1P | **Effective Date of DMR** | **July 1, 2020** |
| MAILING ADDRESS: | 22 S Beach St<br>Ormond Beach, Florida 32174- 6386 | LIMIT: | Final | REPORT FREQUENCY: | Monthly |
| | | CLASS SIZE: | MA | PROGRAM: | Domestic |
| FACILITY: | Ormond Beach WRF | MONITORING GROUP NUMBER: | D-001 | | |
| LOCATION: | 550 N Orchard St<br>Ormond Beach, FL 32174-9512 | MONITORING GROUP DESCRIPTION: | Discharge to Halifax River | | |
| | | RE-SUBMITTED DMR: ☐ | | | |
| | | NO DISCHARGE FROM SITE: ☐ | | | |
| COUNTY: | Volusia | MONITORING PERIOD From: | _____ To: _____ | | |
| OFFICE: | Central District | | | | |

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Y<br>Mon. Site No. FLW-1 | Permit Requirement | | 6.0<br>(An.Avg.) | MGD | | | | | | Continuous | Calculated |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 1<br>Mon. Site No. FLW-1 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Calculated |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 P<br>Mon. Site No. FLW-10 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Q<br>Mon. Site No. FLW-10 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 R<br>Mon. Site No. FLW-6 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 S<br>Mon. Site No. FLW-6 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 Y<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | 5.0<br>(An.Avg.) | | mg/L | | 5 Days/Week | 24-hr FPC |
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 10.0<br>(Max.) | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 Y<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | 5.0<br>(An.Avg.) | | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 10.0<br>(Max.) | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | 200<br>(An.Avg.) | | #/100mL | | 5 Days/Week | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 800<br>(Max.) | 400<br>(90th %) | 200<br>(Mo.Geo.Mn.) | #/100mL | | 5 Days/Week | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 P<br>Mon. Site No. EFA-2 | Permit Requirement | | | | | 200<br>(An.Avg.) | | #/100mL | | 5 Days/Week | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 Q<br>Mon. Site No. EFA-2 | Permit Requirement | | | | 800<br>(Max.) | 400<br>(90th %) | 200<br>(Mo.Geo.Mn.) | #/100mL | | 5 Days/Week | Grab |
| Enterococci | Sample Measurement | | | | | | | | | | |
| PARM Code 31639 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | 35<br>(Mo.Geo.Mn.) | 130<br>(90th %) | #/100mL | | 5 Days/Week | Grab |
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 6.5<br>(Min.) | | 8.5<br>(Max.) | s.u. | | Continuous | Meter |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorine, Total Residual (For Disinfection) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 0.5<br>(Min.) | | | mg/L | | Continuous | Meter |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 P<br>Mon. Site No. EFA-2 | Permit Requirement | | | | 0.5<br>(Min.) | | | mg/L | | Continuous | Meter |
| Chlorine, Total Residual (For Dechlorination) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | | 0.01<br>(Max.) | mg/L | | Daily; 24 hours | Grab |
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 6.0<br>(Max.) | 4.5<br>(Max.Wk.Avg.) | 3.0<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 2.0<br>(Max.) | 1.5<br>(Max.Wk.Avg.) | 1.0<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Oxygen, Dissolved (DO) | Sample Measurement | | | | | | | | | | |
| PARM Code 00300 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 4.0<br>(Min.) | | | mg/L | | Daily; 24 hours | Grab |
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 P<br>Mon. Site No. EFD-1 | Permit Requirement | Report<br>(Mo.Total) | 54831<br>(An.Total) | lb/yr | | | | | | Monthly | Calculated |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 P<br>Mon. Site No. EFD-1 | Permit Requirement | Report<br>(Mo.Total) | 18278<br>(An.Total) | lb/yr | | | | | | Monthly | Calculated |
| LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Routine) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN3B P<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 100<br>(Min.) | | | percent | | Semi-Annually; twice per year | 4 grabs/24 hr. |
| LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN3B Q<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 100<br>(Min.) | | | percent | | As needed | As required by the permit |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN3B R Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | As needed | As required by the permit |
| LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Routine) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN6H P Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | Semi-Annually; twice per year | 4 grabs/24 hr. |
| LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN6H Q Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | As needed | As required by the permit |
| LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN6H R Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | As needed | As required by the permit |
| Dichlorobromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32101 Y Mon. Site No. EFD-1 | Permit Requirement | | | | | 100 (An.Avg.) | | ug/L | | Monthly | Grab |
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ISSUANCE/REISSUANCE DATE: May 8, 2020

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: Public Access Reuse, with Influent
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Y<br>Mon. Site No. FLW-2 | Permit Requirement | | 10.0<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 1<br>Mon. Site No. FLW-2 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | 20.0<br>(An.Avg.) | | mg/L | | 5 Days/Week | 24-hr FPC |
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 60.0<br>(Max.) | 45.0<br>(Max.Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 B<br>Mon. Site No. EFB-1 | Permit Requirement | | | | | | 5.0<br>(Max.) | mg/L | | Daily; 24 hours | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | | 25<br>(Max.) | #/100mL | | Daily; 24 hours | Grab |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Coliform, Fecal, % less than detection | Sample Measurement | | | | | | | | | | |
| PARM Code 51005 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 75<br>(Min.Mo.Total) | | | percent | | Daily; 24 hours | Calculated |
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 6.0<br>(Min.) | | 8.5<br>(Max.) | s.u. | | Continuous | Meter |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 1.0<br>(Min.) | | | mg/L | | Continuous | Meter |
| Turbidity | Sample Measurement | | | | | | | | | | |
| PARM Code 00070 B<br>Mon. Site No. EFB-1 | Permit Requirement | | | | | | Report<br>(Max.) | NTU | | Continuous | Meter |
| Flow (Ground Water from Hunters Ridge Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 P<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Ground Water from Hunters Ridge Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Q<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Ground Water from Breakaway Trails Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 R<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Ground Water from Breakaway Trails Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 S<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Concentrate) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 T<br>Mon. Site No. FLW-3 | Permit Requirement | | 1.0<br>(An.Avg.) | MGD | | | | | | Continuous | Meter |
| Flow (Concentrate) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 U<br>Mon. Site No. FLW-3 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Meter |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | Report (An.Avg.) | | mg/L | | Weekly | 24-hr FPC |
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | | Report (Mo.Avg.) | mg/L | | Weekly | 24-hr FPC |
| Solids, Total Suspended (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | Report (An.Avg.) | | mg/L | | Weekly | 24-hr FPC |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | | Report (Mo.Avg.) | mg/L | | Weekly | 24-hr FPC |
| pH (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | Report (Min.) | | Report (Max.) | s.u. | | Weekly | Grab |
| Specific Conductance (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00095 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | umhos/cm | | Continuous | Meter |
| Fluoride, Total (as F) (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Blend Ratio (1:2.5 Max Concentrate:Reclaimed) | Sample Measurement | | | | | | | | | | |
| PARM Code 51133 P<br>Mon. Site No. CAL-2 | Permit Requirement | | | | | | 0.40 (Max.) | ratio | | Continuous | Calculated |
| Sodium Adsorption Ratio (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00931 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | ratio | | Weekly | Calculated |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium, Total Recoverable (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Magnesium, Total Recoverable (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00921 P Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Calcium, Total Recoverable (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00918 P Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Chloride (as Cl) (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Solids, Total Dissolved (TDS) (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Flow (total through plant) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 G Mon. Site No. INF-1 | Permit Requirement | | 8.0 (An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (total through plant) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 V Mon. Site No. INF-1 | Permit Requirement | Report (Qt.Avg.) | Report (Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | Sample Measurement | | | | | | | | | | |
| PARM Code 00180 G Mon. Site No. INF-1 | Permit Requirement | | | | | | Report (Mo.Avg.) | percent | | Monthly | Calculated |
| BOD, Carbonaceous 5 day, 20C (Influent) | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 G Mon. Site No. INF-2 | Permit Requirement | | | | | | Report (Max.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended (Influent) | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 G Mon. Site No. INF-2 | Permit Requirement | | | | | | Report (Max.) | mg/L | | 5 Days/Week | 24-hr FPC |

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: Public Access Reuse
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Quarterly
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Coliform, Fecal (Ground Water from Hunters Ridge Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 P Mon. Site No. OTH-2 | Permit Requirement | | | | | | Report (Max.) | #/100mL | | Quarterly | Grab |
| Coliform, Fecal (Ground Water from Breakaway Trails Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 Q Mon. Site No. OTH-3 | Permit Requirement | | | | | | Report (Max.) | #/100mL | | Quarterly | Grab |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RMP-Q
MONITORING GROUP DESCRIPTION: Biosolids Quantity
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Biosolids Quantity (Transferred) | Sample Measurement | | | | | | | | | | |
| PARM Code B0007 + Mon. Site No. RMP-1 | Permit Requirement | | Report (Mo.Total) | dry tons | | | | | | Monthly | Calculated |
| Biosolids Quantity (Landfilled) | Sample Measurement | | | | | | | | | | |
| PARM Code B0008 + Mon. Site No. RMP-1 | Permit Requirement | | Report (Mo.Total) | dry tons | | | | | | Monthly | Calculated |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-I
MONITORING GROUP DESCRIPTION: Influent Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | Report (Min.) | | Report (Max.) | s.u. | | Annually | Grab |
| Oil and Grease, hexane extr method | Sample Measurement | | | | | | | | | | |
| PARM Code 00552 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/L | | Annually | Grab |
| Benzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Bromoform | Sample Measurement | | | | | | | | | | |
| PARM Code 32104 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34301 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorodibromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34306 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 85811 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chloroethyl vinyl ether (mixed) | Sample Measurement | | | | | | | | | | |
| PARM Code 34576 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroform | Sample Measurement | | | | | | | | | | |
| PARM Code 32106 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Dichlorobromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32101 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34566 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34496 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichloropropene | Sample Measurement | | | | | | | | | | |
| PARM Code 77163 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl bromide | Sample Measurement | | | | | | | | | | |
| PARM Code 34413 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34418 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methylene chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34423 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2,2-tetrachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34516 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Toluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-trans-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Vinyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34586 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34601 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dimethylphenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34606 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,6-dinitro-o-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 34657 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34616 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34591 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34646 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| p-chloro-m-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 82627 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenol, Single Compound | Sample Measurement | | | | | | | | | | |
| PARM Code 34694 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4,6-trichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34621 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34205 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34200 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34220 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 39120 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34526 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(b)fluoranthene (3,4-benzo) | Sample Measurement | | | | | | | | | | |
| PARM Code 79531 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(ghi)perylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34521 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(k)fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34242 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethoxy) methane | Sample Measurement | | | | | | | | | | |
| PARM Code 34278 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34273 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroisopropyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34283 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-bromophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34636 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Butyl benzyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34292 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2-chloronaphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34581 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-chlorophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34641 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chrysene | Sample Measurement | | | | | | | | | | |
| PARM Code 34320 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibenzo (a,h) anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34556 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 3,3'-dichlorobenzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 34631 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34336 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dimethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34341 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-butyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39110 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34611 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,6-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34626 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-octyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34596 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2-diphenylhydrazine | Sample Measurement | | | | | | | | | | |
| PARM Code 34346 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34376 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluorene | Sample Measurement | | | | | | | | | | |
| PARM Code 34381 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobutadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 39702 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34396 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Indeno (1,2,3-Cd) pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34403 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Isophorone | Sample Measurement | | | | | | | | | | |
| PARM Code 34408 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Naphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34696 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34447 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodimethylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34438 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodi-n-propylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34428 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodiphenylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34433 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenanthrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34461 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34469 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2,4-trichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Aldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39330 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alpha-bhc | Sample Measurement | | | | | | | | | | |
| PARM Code 39336 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| B-bhc-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 39338 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Delta benzene hexachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34259 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDT (p,p'-DDT) | Sample Measurement | | | | | | | | | | |
| PARM Code 39300 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDE (p,p'-DDE) | Sample Measurement | | | | | | | | | | |
| PARM Code 39320 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDD (p,p'-DDD) | Sample Measurement | | | | | | | | | | |
| PARM Code 39310 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dieldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39380 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| A-endosulfan-alpha | Sample Measurement | | | | | | | | | | |
| PARM Code 34361 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B-endosulfan-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 34356 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endosulfan sulfate | Sample Measurement | | | | | | | | | | |
| PARM Code 34351 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin aldehyde | Sample Measurement | | | | | | | | | | |
| PARM Code 34366 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1242 | Sample Measurement | | | | | | | | | | |
| PARM Code 39496 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1254 | Sample Measurement | | | | | | | | | | |
| PARM Code 39504 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1221 | Sample Measurement | | | | | | | | | | |
| PARM Code 39488 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1232 | Sample Measurement | | | | | | | | | | |
| PARM Code 39492 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1248 | Sample Measurement | | | | | | | | | | |
| PARM Code 39500 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1260 | Sample Measurement | | | | | | | | | | |
| PARM Code 39508 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1016 | Sample Measurement | | | | | | | | | | |
| PARM Code 34671 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Antimony, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Nickel, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silver, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Thallium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cyanide, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 78248 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Phenolic Compounds, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 70029 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-E
MONITORING GROUP DESCRIPTION: Effluent Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | Report (Min.) | | Report (Max.) | s.u. | | Annually | Grab |
| Oil and Grease, hexane extr method | Sample Measurement | | | | | | | | | | |
| PARM Code 00552 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/L | | Annually | Grab |
| Benzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Bromoform | Sample Measurement | | | | | | | | | | |
| PARM Code 32104 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34301 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorodibromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34306 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 85811 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chloroethyl vinyl ether (mixed) | Sample Measurement | | | | | | | | | | |
| PARM Code 34576 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroform | Sample Measurement | | | | | | | | | | |
| PARM Code 32106 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Dichlorobromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32101 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34566 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34496 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichloropropene | Sample Measurement | | | | | | | | | | |
| PARM Code 77163 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl bromide | Sample Measurement | | | | | | | | | | |
| PARM Code 34413 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34418 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methylene chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34423 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2,2-tetrachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34516 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Toluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-trans-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Vinyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34586 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34601 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dimethylphenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34606 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,6-dinitro-o-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 34657 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34616 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34591 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34646 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| p-chloro-m-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 82627 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenol, Single Compound | Sample Measurement | | | | | | | | | | |
| PARM Code 34694 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4,6-trichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34621 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34205 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34200 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34220 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 39120 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34526 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(b)fluoranthene (3,4-benzo) | Sample Measurement | | | | | | | | | | |
| PARM Code 79531 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(ghi)perylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34521 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(k)fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34242 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethoxy) methane | Sample Measurement | | | | | | | | | | |
| PARM Code 34278 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34273 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroisopropyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34283 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-bromophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34636 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Butyl benzyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34292 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2-chloronaphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34581 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-chlorophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34641 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chrysene | Sample Measurement | | | | | | | | | | |
| PARM Code 34320 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibenzo (a,h) anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34556 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 3,3'-dichlorobenzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 34631 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34336 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dimethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34341 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-butyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39110 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34611 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,6-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34626 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-octyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34596 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2-diphenylhydrazine | Sample Measurement | | | | | | | | | | |
| PARM Code 34346 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34376 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluorene | Sample Measurement | | | | | | | | | | |
| PARM Code 34381 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobutadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 39702 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34396 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Indeno (1,2,3-Cd) pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34403 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Isophorone | Sample Measurement | | | | | | | | | | |
| PARM Code 34408 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Naphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34696 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34447 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodimethylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34438 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodi-n-propylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34428 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodiphenylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34433 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenanthrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34461 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34469 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2,4-trichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Aldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39330 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alpha-bhc | Sample Measurement | | | | | | | | | | |
| PARM Code 39336 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| B-bhc-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 39338 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Delta benzene hexachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34259 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDT (p,p'-DDT) | Sample Measurement | | | | | | | | | | |
| PARM Code 39300 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDE (p,p'-DDE) | Sample Measurement | | | | | | | | | | |
| PARM Code 39320 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDD (p,p'-DDD) | Sample Measurement | | | | | | | | | | |
| PARM Code 39310 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dieldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39380 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| A-endosulfan-alpha | Sample Measurement | | | | | | | | | | |
| PARM Code 34361 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B-endosulfan-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 34356 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endosulfan sulfate | Sample Measurement | | | | | | | | | | |
| PARM Code 34351 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin aldehyde | Sample Measurement | | | | | | | | | | |
| PARM Code 34366 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1242 | Sample Measurement | | | | | | | | | | |
| PARM Code 39496 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1254 | Sample Measurement | | | | | | | | | | |
| PARM Code 39504 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1221 | Sample Measurement | | | | | | | | | | |
| PARM Code 39488 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1232 | Sample Measurement | | | | | | | | | | |
| PARM Code 39492 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1248 | Sample Measurement | | | | | | | | | | |
| PARM Code 39500 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1260 | Sample Measurement | | | | | | | | | | |
| PARM Code 39508 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1016 | Sample Measurement | | | | | | | | | | |
| PARM Code 34671 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Antimony, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Nickel, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silver, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Thallium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cyanide, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 78248 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Phenolic Compounds, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 70029 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-R
MONITORING GROUP DESCRIPTION: Residuals Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic Total, Dry Weight, Sludge | Sample Measurement | | | | | | | | | | |
| PARM Code 49565 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Cadmium, Sludge, Tot. Dry Wt. (Cd) | Sample Measurement | | | | | | | | | | |
| PARM Code 78476 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Copper, Sludge, Tot, Dry Wt. (as Cu) | Sample Measurement | | | | | | | | | | |
| PARM Code 78475 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Lead, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78468 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Mercury, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78471 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Molybdenum, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78465 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF

MONITORING GROUP NUMBER: PRT-R

PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nickel, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78469 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Selenium Sludge Solid | Sample Measurement | | | | | | | | | | |
| PARM Code 61518 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Zinc, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78467 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
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ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | BOD, Carbonaceous 5 day, 20C (Influent) mg/L | BOD, Carbonaceous 5 day, 20C mg/L | BOD, Carbonaceous 5 day, 20C mg/L | Calcium, Total Recoverable (Blend) mg/L | Chloride (as Cl) (Blend) mg/L | Chlorine, Total Residual (For Dechlorination) mg/L | Chlorine, Total Residual (For Disinfection) mg/L | Chlorine, Total Residual (For Disinfection) mg/L | Coliform, Fecal #/100mL | Coliform, Fecal #/100mL | Dichlorobromomethane ug/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 80082 | 80082 | 80082 | 00918 | 00940 | 50060 | 50060 | 50060 | 74055 | 74055 | 32101 |
| Mon. Site | INF-2 | EFA-1 | EFD-1 | OTH-1 | OTH-1 | EFD-1 | EFA-1 | EFA-2 | EFA-1 | EFA-2 | EFD-1 |
| 1 | | | | | | | | | | | |
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| 31 | | | | | | | | | | | |
| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | Enterococci #/100mL | Flow (Concentrate) MGD | Flow (Ground Water from Breakaway Trails Well) MGD | Flow (total through plant) MGD | Flow MGD | Flow MGD | Flow MGD | Fluoride, Total (as F) (Blend) mg/L | Magnesium, Total Recoverable (Blend) mg/L | Nitrogen, Total mg/L | Nitrogen, Total mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 31639 | 50050 | 50050 | 50050 | 50050 | 50050 | 50050 | 00951 | 00921 | 00600 | 00600 |
| Mon. Site | EFD-1 | FLW-3 | FLW-7 | INF-1 | FLW-10 | FLW-2 | FLW-6 | OTH-1 | OTH-1 | EFA-1 | EFD-1 |
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| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | Oxygen, Dissolved (DO) mg/L | Phosphorus, Total (as P) mg/L | Phosphorus, Total (as P) mg/L | Sodium, Total Recoverable (Blend) mg/L | Solids, Total Dissolved (TDS) (Blend) mg/L | Solids, Total Suspended (Blend) mg/L | Solids, Total Suspended (Influent) mg/L | Solids, Total Suspended mg/L | Solids, Total Suspended mg/L | Specific Conductance (Blend) umhos/cm | Turbidity NTU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 00300 | 00665 | 00665 | 00923 | 70295 | 00530 | 00530 | 00530 | 00530 | 00095 | 00070 |
| Mon. Site | EFD-1 | EFA-1 | EFD-1 | OTH-1 | OTH-1 | OTH-1 | INF-2 | EFB-1 | EFD-1 | OTH-1 | EFB-1 |
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| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | pH (Blend) s.u. | pH Min s.u. | pH Max s.u. | pH Min s.u. | pH Max s.u. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 00400 | 00400 | 00400 | 00400 | 00400 | | | | | | |
| Mon. Site | OTH-1 | EFA-1 | EFA-1 | EFD-1 | EFD-1 | | | | | | |
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| 31 | | | | | | | | | | | |
| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWB-1
Well Type: Background
Description: Well Name MW-1 Golf Course WAFR 7328 3064A16235
Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | Report | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | Report | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | Report | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | Report | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | Report | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | Report | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | Report | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | Report | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | Report | mg/L | Grab | Quarterly | | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-2
Well Type: Compliance
Description: Well Name MW-2 Golf Course WAFR 7327 3064A16236
Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
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|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-3A
Well Type: Compliance
Description: Well Name MW-3A Golf Course WAFR 46550 3064A16237

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
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|---|---|---|---|
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COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-4
Well Type: Compliance
Description: Well Name MW-4 Golf Course WAFR 7325 3064A16238
Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
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|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-5A
Well Type: Compliance
Description: Well Name MW-5A Golf Course WAFR 46551 3064A16239

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

| CODE | DESCRIPTION/INSTRUCTIONS |
|---|---|
| ANC | Analysis not conducted. |
| DRY | Dry Well |
| FLD | Flood disaster. |
| IFS | Insufficient flow for sampling. |
| LS | Lost sample. |
| MNR | Monitoring not required this period. |

| CODE | DESCRIPTION/INSTRUCTIONS |
|---|---|
| NOD | No discharge from/to site. |
| OPS | Operations were shutdown so no sample could be taken. |
| OTH | Other. Please enter an explanation of why monitoring data were not available. |
| SEF | Sampling equipment failure. |

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

### PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)
**No Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.
**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
**Sample Measurement:** Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.
**No. Ex.:** Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.
**Frequency of Analysis:** The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.
**Sample Type:** The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.
**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
**Comment and Explanation of Any Violations:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

**PART B - DAILY SAMPLE RESULTS**

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
**Daily Monitoring Results:** Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

| CODE | DESCRIPTION/INSTRUCTIONS |
|---|---|
| < | The compound was analyzed for but not detected. |
| A | Value reported is the mean (average) of two or more determinations. |
| J | Estimated value, value not accurate. |
| Q | Sample held beyond the actual holding time. |
| Y | Laboratory analysis was from an unpreserved or improperly preserved sample. |

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.
**Plant Staffing:** List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

**PART D - GROUND WATER MONITORING REPORT**

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
**Date Sample Obtained:** Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.
**Time Sample Obtained:** Enter the time the sample was taken.
**Sample Measurement:** Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.
**Detection Limits:** Record the detection limits of the analytical methods used.
**Analysis Method:** Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.
**Sampling Equipment Used:** Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)
**Samples Filtered:** Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).
**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
**Comments and Explanation:** Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

**SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES**

**Flow (Limited Wet Weather Discharge):** Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).
**Flow (Upstream):** Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.
**Actual Stream Dilution Ratio:** To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.
**No. of Days the SDF > Stream Dilution Ratio:** For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.
**$CBOD_5$:** Enter the average $CBOD_5$ of the reclaimed water discharged during the period shown in duration of discharge.
**TKN:** Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.
**Actual Rainfall:** Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.
**Rainfall During Average Rainfall Year:** On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.
**No. of Days LWWD Activated During Calendar Year:** Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.
**Reason for Discharge:** Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: City of Ormond Beach
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia

OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-A
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED:* ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)** | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

*THE "MONITORING NOT REQUIRED" CHECKBOX SHOULD BE SELECTED WHEN A CERTIFICATION STATEMENT IN ACCORDANCE WITH SUBSECTION 62-600.680(2), F.A.C., IS SUBMITTED WITH THIS DMR. SEE CERTIFICATION STATEMENT IN COMMENTS SECTION BELOW.
**GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
☐ NO NEW NON-DOMESTIC WASTEWATER DISCHARGERS HAVE BEEN ADDED TO THE COLLECTION SYSTEM SINCE THE LAST RECLAIMED WATER OR EFFLUENT ANALYSIS WAS CONDUCTED.
SIGN AND DATE:

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| | | | | | | | | | | | |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Ormond Beach
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174-6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
REPORT FREQUENCY: Annually
PROGRAM: Domestic

MONITORING GROUP NUMBER: RWS-B (Blend)
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED: ☐
MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)* | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| | | | | | | | | | | | |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Ormond Beach
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174-6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-C (Concentrate)
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)* | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF

MONITORING GROUP NUMBER: RWS-C

PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | Grab |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | Grab |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| | | | | | | | | | | | |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia

OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-G
MONITORING GROUP DESCRIPTION: Groundwater (MWC-5A) Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED:* ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)** | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

*THE "MONITORING NOT REQUIRED" CHECKBOX SHOULD BE SELECTED WHEN A CERTIFICATION STATEMENT IN ACCORDANCE WITH SUBSECTION 62-600.680(2), F.A.C., IS SUBMITTED WITH THIS DMR. SEE CERTIFICATION STATEMENT IN COMMENTS SECTION BELOW.
**GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
☐ NO NEW NON-DOMESTIC WASTEWATER DISCHARGERS HAVE BEEN ADDED TO THE COLLECTION SYSTEM SINCE THE LAST RECLAIMED WATER OR EFFLUENT ANALYSIS WAS CONDUCTED.
SIGN AND DATE:

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
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**FACT SHEET**
**FOR**
**STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0020532-023 (Major)

FACILITY NAME: Ormond Beach WRF

FACILITY LOCATION: 550 N Orchard St,
Ormond Beach, FL 32174-9512
Volusia County

NAME OF PERMITTEE: City of Ormond Beach

PERMIT WRITER: Dennise Judy

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0020532-023-DW1P
Application Submittal Date: June 13, 2019

b. Type of Facility

Domestic Wastewater Treatment Plant
Ownership Type: Municipal
SIC Code: 4952

c. Facility Capacity

| | |
|---|---|
| Existing Permitted Capacity: | 8.0 MGD Annual Average Daily Flow |
| Proposed Increase in Permitted Capacity: | 0.0 MGD Annual Average Daily Flow |
| Proposed Total Permitted Capacity: | 8.0 MGD Annual Average Daily Flow |

d. Description of Wastewater Treatment

Treatment is provided by an existing 8.0 MGD annual average daily flow (AADF) permitted capacity advanced wastewater treatment (AWT) plant with an odor control system, influent screening, grit removal, biological nutrient removal (carousel type, 5-stage Bardenpho Process), re-aeration, chemical feed facilities, secondary clarification, tertiary filtration, high level disinfection, with post-aeration and dechlorination for the river discharge, and thickening, followed by dewatering, of biosolids. This permit authorizes modification of the piping, valving, and associated appurtenances to retrofit an existing Reclaimed Water (RW) Equalization (EQ) basin for use as a supplemental chlorine contact chamber.

e. Description of Effluent Disposal and Land Application Sites

**R-001** is an existing 10.0 MGD annual average daily flow permitted capacity slow-rate public access system. R-001 consists of irrigation within the approved Reuse Service Area as shown on the attached map, to the major users identified in Part IV.A.2 of this permit. This reuse system also receives reclaimed water (RW) from the Holly Hill RW system. Excess reclaimed water, and substandard effluent, is discharged to D-001.

The Hunter's Ridge and Breakaway Trails RW storage systems receive water from supplemental groundwater wells prior to distribution within the service area.

Demineralization concentrate is blended with reclaimed water going to the slow-rate public access R-001.

**D-001** is an existing 6.0 MGD annual average daily flow discharge to the Halifax River, Class III Marine waters, (WBID# 2363B). The outfall pipe is approximately 1000 feet in length and discharges at a depth of approximately 5 feet. The point of discharge is located approximately at latitude 29°17' 50" N, longitude 81°3' 26" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

Pollutants which are present in significant quantities or which are subject to permit limitations are as follows:

| **Parameter** | **Units** | **Max/Min** | **Reported Value** (11/30/2018 through 10/31/2019) | **Statistical Basis** |
|---|---|---|---|---|
| Flow | MGD | Min | 0.03 | Monthly Average |
| Flow | MGD | Max | 5.40 | Monthly Average |
| BOD, Carbonaceous 5 day, 20C | mg/L | Min | 1.0 | Monthly Average |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 4.15 | Monthly Average |
| Solids, Total Suspended | mg/L | Min | 0.5 | Monthly Average |
| Solids, Total Suspended | mg/L | Max | 1.23 | Monthly Average |
| Coliform, Fecal | #/100mL | Min | 0.50 | Monthly Average |
| Coliform, Fecal | #/100mL | Max | 1.25 | Monthly Average |
| pH | s.u. | Min | 7.1 | Single Sample |
| pH | s.u. | Max | 8.4 | Single Sample |
| Chlorine, Total Residual | mg/L | Min | 0.4 | Single Sample |
| Chlorine, Total Residual | mg/L | Max | 1.4 | Single Sample |
| Chlorine, Total Residual | mg/L | Min | 0.01 | Monthly Average |
| Chlorine, Total Residual | mg/L | Max | 0.01 | Monthly Average |
| Nitrogen, Total | mg/L | Min | 1.4 | Monthly Average |
| Nitrogen, Total | mg/L | Max | 2.8 | Monthly Average |
| Phosphorus, Total (as P) | mg/L | Min | 0.04 | Monthly Average |
| Phosphorus, Total (as P) | mg/L | Max | 0.2 | Monthly Average |
| Oxygen, Dissolved (DO) | mg/L | Min | 6.1 | Single Sample |
| Oxygen, Dissolved (DO) | mg/L | Max | 7.9 | Single Sample |
| Chlorodibromomethane | ug/L | Min | 13.9 | Annual Average |
| Chlorodibromomethane | ug/L | Max | 15.4 | Annual Average |
| Dichlorobromomethane | ug/L | Min | 33.7 | Annual Average |
| Dichlorobromomethane | ug/L | Max | 39.1 | Annual Average |
| Copper, Total Recoverable | ug/L | Min | 0.90 | Single Sample |
| Copper, Total Recoverable | ug/L | Max | 0.93 | Single Sample |
| Zinc, Total Recoverable | ug/L | Min | 24.9 | Single Sample |
| Zinc, Total Recoverable | ug/L | Max | 49.7 | Single Sample |

This facility does not have a new or expanded discharge to surface waters.

The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to discharge effluent from Outfall D-001 to the Halifax River based on the following:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow | MGD | Max | 6.0 | Annual Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Annual Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Annual Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 5.0 | Annual Average | 62-600.430(1)(b) FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 6.25 | Monthly Average | 62-600.740(2)(b)2 FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 7.5 | Weekly Average | 62-600.740(2)(b)3 FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 10.0 | Single Sample | 62-600.740(2)(b)4 FAC |
| Solids, Total Suspended | mg/L | Max | 5.0 | Annual Average | 62-600.430(1)(b) FAC |
| Solids, Total Suspended | mg/L | Max | 6.25 | Monthly Average | 62-600.740(2)(b)2 FAC |
| Solids, Total Suspended | mg/L | Max | 7.5 | Weekly Average | 62-600.740(2)(b)3 FAC |
| Solids, Total Suspended | mg/L | Max | 10.0 | Single Sample | 62-600.740(2)(b)4 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Monthly Geometric Mean | 62-600.640(5)(a)2 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Annual Average | 62-600.640(5)(a)1 FAC |
| Coliform, Fecal | #/100mL | Max | 400 | 90th Percentile | 62-600.640(5)(a)3 FAC |
| Coliform, Fecal | #/100mL | Max | 800 | Single Sample | 62-600.640(5)(a)4 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Monthly Geometric Mean | 62-600.640(5)(a)2 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Annual Average | 62-600.640(5)(a)1 FAC |
| Coliform, Fecal | #/100mL | Max | 400 | 90th Percentile | 62-600.640(5)(a)3 FAC |
| Coliform, Fecal | #/100mL | Max | 800 | Single Sample | 62-600.640(5)(a)4 FAC |
| Enterococci | #/100mL | Max | 35 | Monthly Geometric Mean | 62-302.530 FAC |
| Enterococci | #/100mL | Max | 130 | 90th Percentile | 62-302.530 FAC |
| pH | s.u. | Min | 6.5 | Single Sample | 62-600.430, 62-302.530(52) & 62-650 FAC |
| pH | s.u. | Max | 8.5 | Single Sample | 62-600.430, 62-302.530(52) & 62-650 FAC |

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | 62-600.440(5)(c) FAC |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | 62-600.440(5)(c) FAC |
| Chlorine, Total Residual (For Dechlorination) | mg/L | Max | 0.01 | Single Sample | 62-600.440(2) & 62-302.530(18) FAC |
| Nitrogen, Total | mg/L | Max | 3.0 | Monthly Average | 62-650 FAC |
| Nitrogen, Total | mg/L | Max | 4.5 | Weekly Average | 62-600.740(2)(b)3. FAC |
| Nitrogen, Total | mg/L | Max | 6.0 | Single Sample | 62-600.740(2)(b)4. FAC |
| Phosphorus, Total (as P) | mg/L | Max | 1.0 | Monthly Average | 62-650 FAC |
| Phosphorus, Total (as P) | mg/L | Max | 1.5 | Weekly Average | 62-600.740(2)(b)3. FAC |
| Phosphorus, Total (as P) | mg/L | Max | 2.0 | Single Sample | 62-600.740(1)(b)2.c. FAC |
| Oxygen, Dissolved (DO) | mg/L | Min | 4.0 | Single Sample | 62-650 FAC |
| Nitrogen, Total | lb/yr | Max | 54831 | Annual Total | |
| Nitrogen, Total | lb/yr | Max | Report | Monthly Total | |
| Phosphorus, Total (as P) | lb/yr | Max | 18278 | Annual Total | |
| Phosphorus, Total (as P) | lb/yr | Max | Report | Monthly Total | |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia) | percent | Min | 100 | Single Sample | 62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi) | percent | Min | 100 | Single Sample | 62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC |
| Dichlorobromomethane | ug/L | Max | 100 | Annual Average | 62-302.530(35)(b)5 FAC |
| Enterococci | #/100mL | Max | 35 | Monthly Geometric Mean | 62-302.500(1)(a)6. and 40 CFR Part 131.41 |
| Enterococci | #/100mL | Max | 104 | Single Sample | 62-302.500(1)(a)6. and 40 CFR Part 131.41 |

Because there is no established relationship between fecal coliform and enterococci bacteria, limitations based on both the disinfection requirements for fecal coliform from Rule 62-600.440, F.A.C., and based on the bacteriological water quality standards for enterococci for discharges to Class III predominately marine waters under Rule 62-302.530, F.A.C., have been included in the permit.

In addition to the specified limits in Condition I.A.1., the monthly average effluent concentration for carbonaceous biochemical oxygen demand (5-day) and total suspended solids shall not exceed 15% of the respective influent values (i.e., 85% removal).

A mixing zone for dichlorobromomethane (DCBM) has been approved in accordance with DEP permit file number: FL0020532-012-DW1P and is described as a rectangle centered along the diffuser with a mixing zone of 539 square meters.

Original effluent limitations were based on a Level II WQBEL titled "Halifax River Documentation, Water Quality Based Effluent Limitations," Vol. 2, No. 106, Water Quality Technical Series which was finalized by Wayne Magley and Linda Lakes on August 1, 1990. The WQBEL did not specify TSS limits. The annual effluent limitations for $CBOD_5$ TSS, TN and TP are Advanced Wastewater Treatment (AWT) limits, which are more stringent than the WQBEL. These limits were requested by the applicant during a previous permit renewal and have been included in all permits since then. The Waste Load allocation (WLA) for the Ormond Beach WRF discharge that was included in the 2013 Total Maximum Daily Load (TMDL) Report for the Halifax River replaced the original WQBEL limits. However, the TMDL document incorrectly stated the nitrogen concentration limit for the discharge to surface waters at 6.0 mg/L instead of the correct 3.0 mg/L concentration. **Backsliding is not permitted by EPA and the information was incorrect; therefore, the WLA remains at 54,831 lbs/yr (not 109,666 lbs/yr as stated in the TMDL final report.)** The concentration limits for $CBOD_5$ remain as stated in the previous permit. Although this segment of the Halifax River is also impaired for coliforms, the Department wastewater permit limits for fecal coliforms by rule are equivalent to the water quality standard for fecal coliform and therefore the discharge is not considered to be contributing to the coliform impairment.

The waste load allocations for this facility remain as follows:

| Parameter | Mass Loading (Lbs./year) |
|---|---|
| CBOD5 | 182,865 (based on 5 mg/L annual average) |
| Total Nitrogen | 54750 (based on 3 mg/L annual average) |
| Total Phosphorus | 18278 (based on 1 mg/L annual average) |

In previous permits, these limits were reported in lb/day; at 501, 150, and 50 for CBOD, TN and TP, respectively. The most recent permit required monthly total and cumulative total, for all months through the reporting month, for a given calendar year - January thru December – and is continued in this permit. The mass load limits are based on a calendar year. Basic level disinfection for the surface water discharge is required, as in the two previous permits, and is continued in this permit.

The minimum Dissolved Oxygen (DO) level of 2.0 mg/L in the earlier permits was established by the WQBEL document. However, on September 9, 2013, EPA approved revisions to Florida's criteria for DO. The revision also allowed a single sample maximum limit that meets the criteria under all conditions to be proposed by the applicant. The permittee proposed a single sample minimum DO of 4.0 mg/L. The saturation limit for oxygen in this segment of Halifax River at 60 F -the assumed minimum temperature of the effluent - would be 9.85 mg/L. Based on this value, the 38% daily average would be 4.0 mg/L, therefore, this has been established as the DO limit.

Technology based effluent limitations (TBELs) are minimum waste treatment requirements based on treatment technologies for reducing discharges of pollutants into receiving waters. TBELs are established, for domestic wastewater facilities, by state rule and statute in Chapters 62-600, 62-610, 62-611, 62-620, F.A.C., and Section 403.086, F.S.; they may also be developed in accordance with best professional judgment. TBELs are included in the permit for the following pollutants of concern:

| Parameter | Units | Monitoring Location | Monitoring Group |
|---|---|---|---|
| Flow | MGD | FLW-1 | D-001 |
| Flow | MGD | FLW-6 | D-001 |
| Chlorine, Total Residual (For Disinfection) | mg/L | EFA-1 | D-001 |
| Chlorine, Total Residual (For Disinfection) | mg/L | EFA-2 | D-001 |

Water quality based effluent limitations (WQBELs) are effluent limitations, which may be more stringent than a technology based effluent limitation, that have been determined necessary by the Department to ensure that water quality standards in a receiving body of water will not be violated. WQBELs are developed in accordance with Chapter 62-650, F.A.C., and are based on the characteristics of the discharge, the receiving water characteristics, and the criteria and standards in Chapters 62-4, 62-302, and the 62-600 series, F.A.C.; they may also be developed based on Total Maximum Daily Load (TMDL) allocations adopted in Chapter 62-304, F.A.C., or allocations developed as part of a Basin Management Action Plan (BMAP) or a Reasonable Assurance Plan (RAP). WQBELs are included in the permit for the following pollutants of concern:

| Parameter | Units | Monitoring Location | Monitoring Group |
|---|---|---|---|
| BOD, Carbonaceous 5 day, 20C | mg/L | EFD-1 | D-001 |
| Solids, Total Suspended | mg/L | EFD-1 | D-001 |
| Coliform, Fecal | #/100mL | EFA-1 | D-001 |
| Coliform, Fecal | #/100mL | EFA-2 | D-001 |
| Enterococci | #/100mL | EFD-1 | D-001 |
| pH | s.u. | EFD-1 | D-001 |
| Chlorine, Total Residual (For Dechlorination) | mg/L | EFD-1 | D-001 |
| Nitrogen, Total | mg/L | EFD-1 | D-001 |
| Phosphorus, Total (as P) | mg/L | EFD-1 | D-001 |
| Oxygen, Dissolved (DO) | mg/L | EFD-1 | D-001 |
| Nitrogen, Total | lb/yr | EFD-1 | D-001 |
| Phosphorus, Total (as P) | lb/yr | EFD-1 | D-001 |
| Dichlorobromomethane | ug/L | EFD-1 | D-001 |
| Enterococci | #/100mL | EFD-1 | D-001 |

Pollutants of concern were identified for WQBEL development based on an evaluation of all available information, including a characterization of the pollutants that may be discharged, fifth year inspection data, the sources of pollutants, existing controls on pollutants, available dilution, background pollutant levels in the receiving waters, and the toxicity of pollutants.

Unless otherwise noted, effluent limitations were developed by applying water quality criteria at the end of pipe.

Effluent limitations were determined based on an evaluation of the impact of the discharge on receiving water bodies. This evaluation was conducted in accordance with the TMDL process described in Rule 62-304, F.A.C. For each effluent limitation included in the permit, technology and water quality-based limitations were compared and the most stringent limitation was selected. The current effluent nutrient loading limits were established in the finalized Halifax River TMDL Report (dated July 1, 2013) and meet the Numeric Nutrient Criteria for the receiving water body.

This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards. The proposed effluent limitations will be achieved during the period beginning on the issuance date and lasting through the expiration date of the permit. A Water Quality Based Effluent Limit (WQBEL) Level I Analysis was performed for this permit renewal. The facility has provided reasonable assurance that, if all conditions of this permit are met, the discharge will not adversely affect the designated use of the receiving water.

This facility was previously required to conduct chronic toxicity testing for this discharge because it was used on a regular basis. The discharge has become intermittent due to the expansion of the Public Access Reuse System. Therefore, acute toxicity testing is now included in the permit (96-hour LC50 with not less than 100% effluent.) with provisions for conducting a shorter duration sampling event due to the short-term nature of their discharges.

This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate public access system, based on the following:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow | MGD | Max | 10.0 | Annual Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 20.0 | Annual Average | 62-610.460 & 62-600.420(3)(a)1. FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 30.0 | Monthly Average | 62-610.460 & 62-600.420(3)(a)2. FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 45.0 | Weekly Average | 62-610.460 & 62-600.420(3)(a)3. FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 60.0 | Single Sample | 62-610.460 & 62-600.420(3)(a)4. FAC |
| Solids, Total Suspended | mg/L | Max | 5.0 | Single Sample | 62-610.460(1) & 62-600.440(6)(a)3. FAC |
| Coliform, Fecal | #/100mL | Max | 25 | Single Sample | 62-610.460 & 62-600.440(6)(a)2. FAC |
| Coliform, Fecal, % less than detection | percent | Min | 75 | Minimum Total | 62-610.460 & 62-600.440(6)(a)1. FAC |
| pH | s.u. | Min | 6.0 | Single Sample | 62-600.445 FAC |
| pH | s.u. | Max | 8.5 | Single Sample | 62-600.445 FAC |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 1.0 | Single Sample | 62-600.440(6)(b), 62-610.460(2), & 62-610.463(2) FAC |
| Turbidity | NTU | Max | Report | Single Sample | 62-610.463(2) FAC |
| Giardia | cysts/100L | Max | Report | Single Sample | 62-610.463(4) FAC |
| Cryptosporidium | oocysts/100L | Max | Report | Single Sample | 62-610.463(4) FAC |
| Flow (Ground Water from Hunters Ridge Well) | MGD | Max | Report | Annual Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow (Ground Water from Hunters Ridge Well) | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow (Ground Water from Breakaway Trails Well) | MGD | Max | Report | Annual Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow (Ground Water from Breakaway Trails Well) | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Coliform, Fecal (Ground Water from Hunters Ridge Well) | #/100mL | Max | Report | Single Sample | 62-610.472(4)(a)3. FAC |
| Coliform, Fecal (Ground Water from Breakaway Trails Well) | #/100mL | Max | Report | Single Sample | 62-610.472(4)(a)3. FAC |

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow (Concentrate) | MGD | Max | 1.0 | Annual Average | 62-610.865(8)(b) & 62-610.810(5) FAC |
| Flow (Concentrate) | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Nitrogen, Total | mg/L | Max | Report | Annual Average | 62-600.650(3)FAC |
| Nitrogen, Total | mg/L | Max | Report | Monthly Average | 62-600.650(3)FAC |
| Solids, Total Suspended (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Phosphorus, Total (as P) | mg/L | Max | Report | Annual Average | 62-601.300(6)FAC |
| Phosphorus, Total (as P) | mg/L | Max | Report | Monthly Average | 62-601.300(6)FAC |
| pH (Blend) | s.u. | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| pH (Blend) | s.u. | Min | Report | Single Sample | 62-610.865(8)(e) FAC |
| Specific Conductance (Blend) | umhos/cm | Max | Report | Single Sample | 62-610.865(8)(c) FAC |
| Fluoride, Total (as F) (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Blend Ratio | ratio | Max | Report | Single Sample | 62-610.865(6)(d) FAC |
| Sodium Adsorption Ratio (Blend) | ratio | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Sodium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Magnesium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Calcium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Chloride (as Cl) (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Solids, Total Dissolved (TDS) (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |

Monthly monitoring of the effluent for Total Nitrogen and Total Phosphorus has been retained in this permit, as allowed by Rule 62-601.300(6), FAC, because the facility is located in an impaired water basin.

Other Limitations and Monitoring Requirements:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow (total through plant) | MGD | Max | 8.0 | Annual Average | 62-600.700(2)(b) FAC |
| | | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| | | Max | Report | Quarterly Average | 62-600.700(2)(b) FAC |

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max | Report | Monthly Average | 62-600.405(4) FAC |
| BOD, Carbonaceous 5 day, 20C (Influent) | mg/L | Max | Report | Single Sample | 62-600.660(1) FAC |
| Solids, Total Suspended (Influent) | mg/L | Max | Report | Single Sample | 62-600.660(1) FAC |
| Monitoring Frequencies and Sample Types | - | - | - | All Parameters | 62-600 FAC & 62-699 FAC and/or BPJ of permit writer |
| Sampling Locations | - | - | - | All Parameters | 62-600, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer |

4. IMPAIRMENT STATUS OF RECEIVING WATERS

Under Section 303(d) of the Clean Water Act, the Department is required to submit lists of impaired waters to EPA. The receiving water body for this discharge is listed on the 303(d) list. This segment of the Halifax River was included on the State of Florida 1998 303d planning list and has an approved TMDL for nutrients. The approved TMDL for the Halifax River includes the Ormond Beach discharge and is based on the WQBEL document. Since the TMDL has been established only for nutrients and not coliforms, which is also listed as a parameter of concern for this segment of the Halifax River, the following is included as a condition of this permit: Coliforms and nutrients are listed as parameters of concern on the 1998 303d planning list for this segment of the Halifax River. This discharge is in compliance with the approved Total Maximum Daily Load (TMDL) for the Halifax River for nutrients. The Department may develop a TMDL for coliforms during the life of this permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL, pursuant to Rule 62-620.325, Florida Administrative Code. This may include revised or new limits for coliforms.

5. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0020532-023-DW1P expires on March 5, 2025. The following parameters are not included in the permit for monthly monitoring because they have been determined to not have the reasonable potential to exceed the water quality standard: Chlorodibromomethane (CDBM), copper, silver and zinc have been below the water quality standards at levels that provide assurance that there is no reasonable potential to exceed the standard. TTHMs and Bis(2-ethlhexyl) phthalate have been added to the GWMP because they were present in the annual reclaimed water scan.

6. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be transferred to a DEP approved biosolids treatment facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Biosolids Quantity (Transferred) | dry tons | Max | Report | Monthly Total | 62-640.650(5)(a)1. FAC |
| Biosolids Quantity (Landfilled) | dry tons | Max | Report | Monthly Total | 62-640.650(5)(a)1. FAC |
| Monitoring Frequency | | All Parameters | | | 62-640.650(5)(a) FAC |

7. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 600, 610, and 620, F.A.C.

8. PERMIT SCHEDULES

A schedule is included in the wastewater permit to complete the conversion of the RW EQ tank to a supplemental chlorine contact chamber. Approximately one year is anticipated for completion of the conversion, but it should be implemented as soon as possible

9. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

10. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO, and the permittee has not entered into a CO with the Department that affects this permit.

11. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

12. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available on the Department's electronic filing system:
https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=hitlist&[freeText=]&[folderName=]&[profile=Permitting_Authorization]&[creator=]&[entityType=any]&[createdDateTo=]&[catalog=38]&[searchBy=Profile]&[sortBy=Document+Date]&[createdDate=]&{County=_EQ_VOLUSIA}&{District=_EQ_CD}&{Facility-Site+ID=_EQ_FL0020532}&{Document+Date=_RG_(06-01-2019,02-13-2020)}&{Document+Type=_EQ_PERMIT+APPLICATION+RELATED}&{Permit+Type=_EQ_DW+-+DOMESTIC+WASTEWATER+FACILITY}&{Facility+Type=_LK_DOMESTIC+WASTEWATER}

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

| | |
|---|---|
| Draft Permit and Public Notice to Applicant and EPA | February 14, 2020 |
| Public Comment Period | Beginning: February 17, 2020<br>Ending: March 16, 2020 |
| Proposed Permit to EPA | March 18, 2020 |
| Notice of Intent to Issue | April 10, 2020 |
| Notice of Permit Issuance | May 8, 2020 |

14. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Florida Department of Environmental Protection
Permitting and Wastewater Cleanup Program
Central District Office
3319 Maguire Blvd
Suite 232
Orlando, FL 32803-3767

Telephone No.: 407-897-4100

**Florida Department of Environmental Protection**
Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

# PATHOGEN MONITORING

## Part I - Instructions

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility. If a schedule for sampling or re-sampling is not included in the permit, the following schedule shall apply:

   a. Routine Sampling:

      If sampling is required once every two years, this report shall be submitted on or before November 28 of each even numbered year (2006, 2008, 2010, etc.).

      If sampling is required once every five years, this report shall be submitted with the application for permit renewal.

      If sampling is required quarterly, this report shall be submitted on or before February 28, May 28, August 28, and November 28 of each year.

   b. Subsequent Re-Sampling:

      If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.

2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:

   a. The appropriate DEP district office (attention Domestic Wastewater Program). Addresses for the DEP district offices are available at www.dep.state.fl.us/secretary/dist/default.htm.

   b. DEP Water Reuse Coordinator
      Mail Station 3540
      2600 Blair Stone Road
      Tallahassee, Florida 32399-2400

3. Please type or print legibly.

4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.

5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).

6. For each sample, record the sample volume obtained in liters.

7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.

8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

   Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

   a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.

   b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.

9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.

10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at www.dep.state.fl.us/labs/cgi-bin/aams/index.asp

11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).

12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.

13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.

14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

## Part II - General Information

1. DEP wastewater facility identification number: **FL0020532**

   Wastewater facility name: Ormond Beach WRF

   Permittee name: City of Ormond Beach

2. Person completing this form:

   Name: _____

   Telephone: (_____)_____

   Email address: _____

3. Sampling and analysis:

   Date samples were taken: _____

   Organization collecting the samples: _____

   Was the sample dechlorinated in the field? ☐ Yes ☐ No

   Was the sample refrigerated or kept on ice during shipment to the laboratory? ☐ Yes ☐ No

   Date samples delivered to laboratory: _____

   Date analytical work was done: _____

   Laboratory doing the analysis: _____

   Laboratory's DOH Identification Number: _____

   Approved method used:

   ☐ EPA Method 1623

   ☐ Other approved method: _____

   Contact person at the laboratory: _____

   Email address of the lab contact person: _____

4. Is this the first time that this form has been submitted for the facility?

   ☐ Yes [Please complete Questions 7 through 16.]

   ☐ No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

   ☐ No [Proceed to Question 6.]

   ☐ Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

   ☐ Yes [Please complete Questions 7 through 16.]

   ☐ No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

   ☐ Conventional activated sludge ☐ Extended aeration

   ☐ Contact stabilization ☐ Biological nutrient removal (such as Bardenpho)

   ☐ Other: _____

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)? ☐ Yes ☐ No

9. Filter type:

   ☐ Deep bed, single media ☐ Deep bed, multiple media

   ☐ Shallow bed, automatic backwash ☐ Upflow (including Dynasand)

   ☐ Slow rate sand filter ☐ Diatomaceous earth filter

   ☐ Fabric filter ☐ Cartridge filter

   ☐ Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)

   ☐ Other: _____

10. Filter Media (complete for each type of media provided):

    Top layer of media: Media type: _____

    Effective size: _____ mm

    Uniformity coefficient: _____

    Bed depth: _____ inches

Middle layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

Bottom layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

11. Filter backwash water:

☐ Backwash water is returned to the headworks of the treatment plant.

☐ Backwash water is returned to the aeration basin.

☐ Other. Please describe: _____

12. Disinfection system:

☐ Chlorination, gas ☐ Hypochlorite

☐ Chlorine dioxide ☐ Chlorination, other _____

☐ Ultraviolet ☐ Ozone

☐ Other: _____

13. Is chlorine added before the filters? ☐ No ☐ Yes Dose: _____ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

☐ No

☐ Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: _____ Dose: _____ mg/L

Chemical 2 - Name: _____ Dose: _____ mg/L

Chemical 3 - Name: _____ Dose: _____ mg/L

15. Wastewater treatment plant permitted capacity: _____ MGD

16. Wastewater flow being treated at the time samples were collected: _____ MGD

## PART III - PATHOGEN MONITORING REPORT

**FACILITY ID:** FL0020532
**FACILITY NAME:** Ormond Beach WRF
**FACILITY ADDRESS:** 550 N Orchard St, Ormond Beach, FL 32174-9512
**PERMITTEE NAME:** City of Ormond Beach
**MAILING ADDRESS:** 22 S Beach St, Ormond Beach, Florida 32174-6386
**DATE OF SAMPLING: _____**

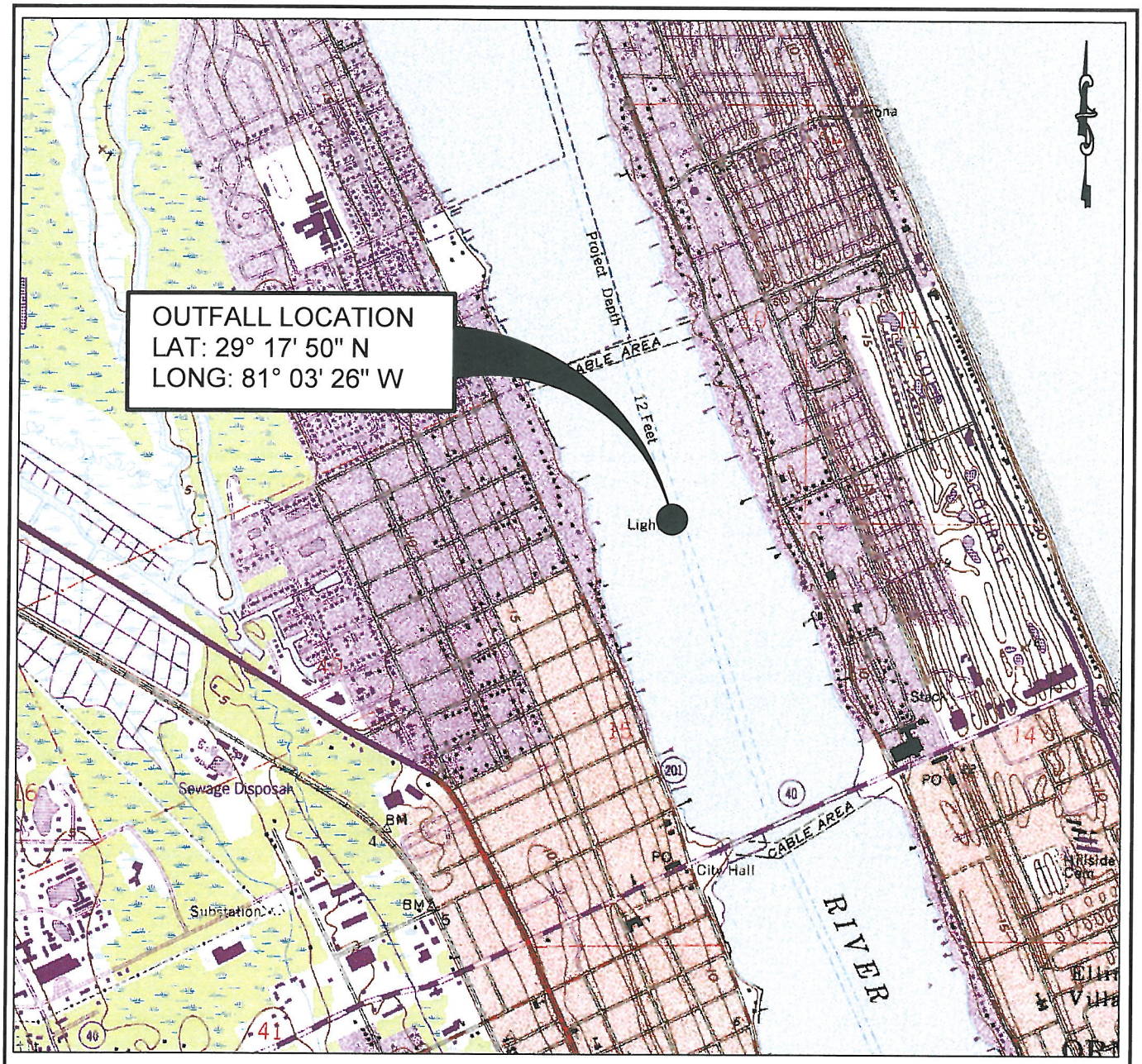
| Parameter | Quantity or Loading | | Quality or Concentration | |
|---|---|---|---|---|
| | Sample Measurement | Units | Sample Measurement | Units |
| Treatment Plant: After Filter Monitoring Site No. EFB-1 | | | | |
| Turbidity PARM Code 00070 | | | | NTU |
| TSS PARM Code 00530 | | | | mg/L |
| Treatment Plant: After Disinfection Monitoring Site No. EFA-1 | | | | |
| Total Chlorine Residual PARM Code 50060 | | | | mg/L |
| Volume Collected PARM Code 71994 | | Liters | | |
| *Giardia*, total count * PARM Code GIARD | | | | total cysts/100 L |
| *Giardia*, potentially viable cysts * PARM Code VGIAR | | | | potentially viable cysts/100 L |
| *Cryptosporidium*, total count * PARM Code CRYPT | | | | total oocysts/100 L |
| *Cryptosporidium*, potentially viable oocysts * PARM Code VCRYP | | | | potentially viable oocysts/100 L |
| Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection Monitoring Site No. | | | | |
| TSS PARM Code 00530 | | | | mg/L |
| Total Chlorine Residual PARM Code 50060 | | | | mg/L |
| Volume Collected PARM Code 71994 | | Liters | | |
| *Giardia* (total count) * PARM Code GIARD | | | | total cysts/100 L |
| *Giardia*, potentially viable cysts * PARM Code VGIAR | | | | potentially viable cysts/100 L |
| *Cryptosporidium*, total count * PARM Code CRYPT | | | | total oocysts/100 L |
| *Cryptosporidium*, potentially viable oocysts * PARM Code VCRYP | | | | potentially viable oocysts/100 L |

* Data entries must be made for both total and potentially viable cysts and oocysts.

## PART IV - CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

| Name/Title of Principle Executive Officer or Authorized Agent (Type or Print) | Signature of Principle Executive Officer or Authorized Agent | Telephone No. | Date (YY/MM/DD) |
|---|---|---|---|
| | | | |
| | Email Address | | |




**GRAPHIC SCALE:**

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

# LOCATION MAP

SECTION 40
TOWNSHIP 14S
RANGE 32E

FROM ORMOND BCH, FLA.
U S C & G QUADRANGLE

**PURPOSE:**

DOMESTIC WASTEWATER
FACILITY PERMIT
CITY OF ORMOND BEACH
VOLUSIA COUNTY, FLORIDA

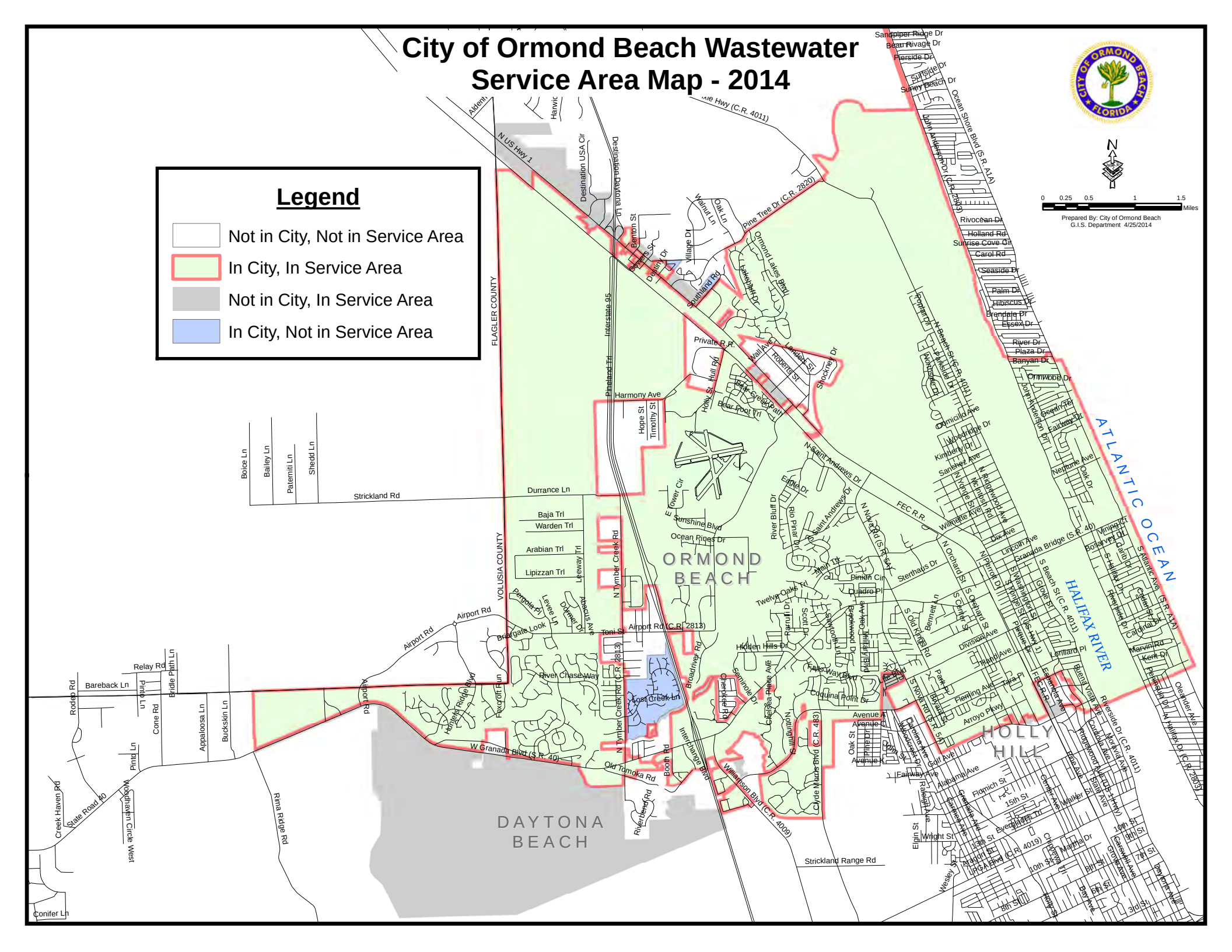
PREPARED BY:
QUENTIN L. HAMPTON ASSOC. INC.
P.O. DRAWER 290247
PORT ORANGE, FLORIDA 32129-0247

FIGURE #2

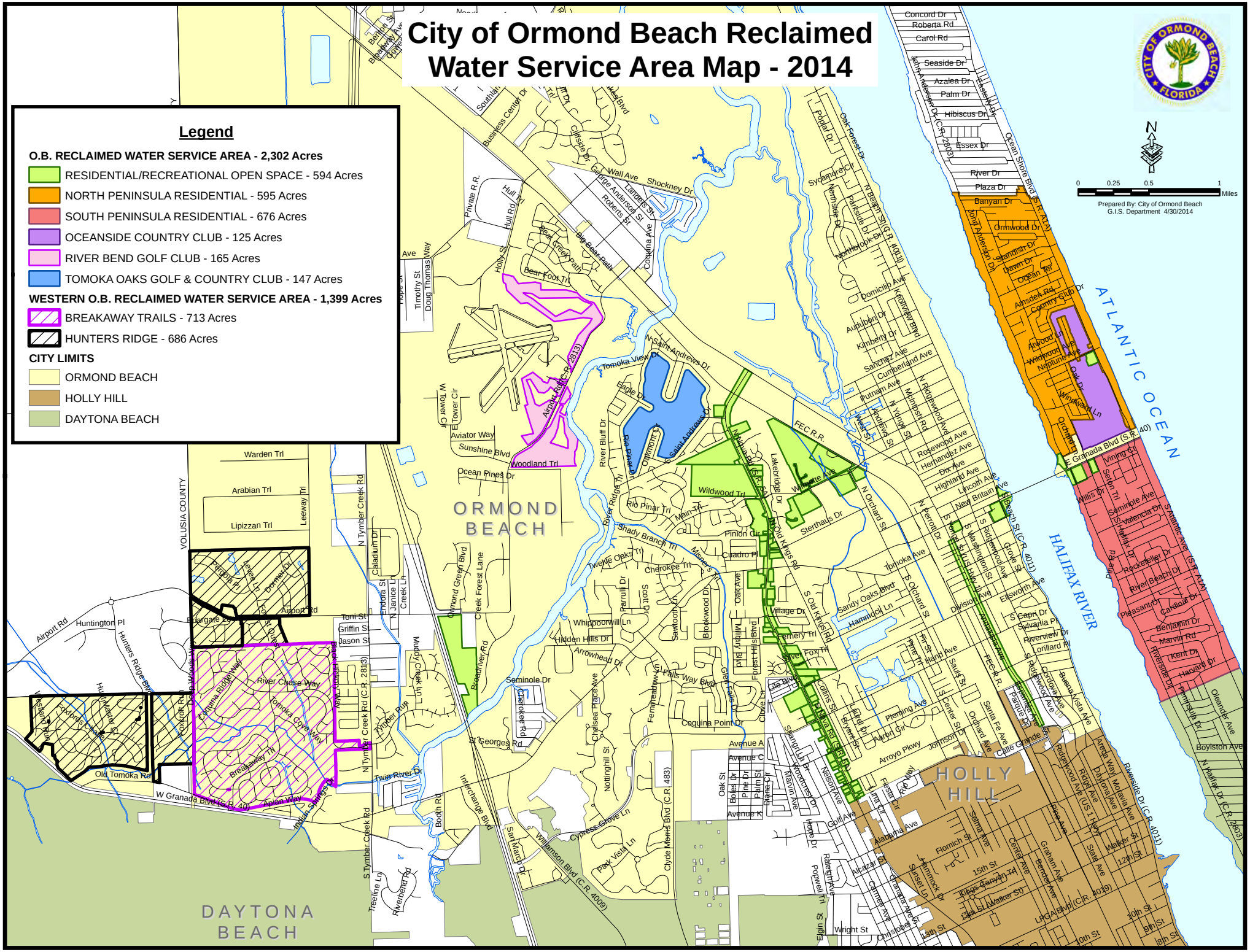
DATE: 03/14

S:\OB\OB057 WRF Operating Permit Renewal\Cad\Design\OB57 quad figs.dwg, OUTFALL, 3/25/2014 4:38:29 PM, AK

# City of Ormond Beach Wastewater Service Area Map - 2014



# City of Ormond Beach Reclaimed Water Service Area Map - 2014


Legend
O.B. RECLAIMED WATER SERVICE AREA - 2,302 Acres
RESIDENTIAL/RECREATIONAL OPEN SPACE - 594 Acres
NORTH PENINSULA RESIDENTIAL - 595 Acres
SOUTH PENINSULA RESIDENTIAL - 676 Acres
OCEANSIDE COUNTRY CLUB - 125 Acres
RIVER BEND GOLF CLUB - 165 Acres
TOMOKA OAKS GOLF & COUNTRY CLUB - 147 Acres
WESTERN O.B. RECLAIMED WATER SERVICE AREA - 1,399 Acres
BREAKAWAY TRAILS - 713 Acres
HUNTERS RIDGE - 686 Acres
CITY LIMITS
ORMOND BEACH
HOLLY HILL
DAYTONA BEACH
N
0 0.25 0.5 1 Miles
Prepared By: City of Ormond Beach
G.I.S. Department 4/30/2014
ORMOND BEACH
DAYTONA BEACH
HOLLY HILL
ATLANTIC OCEAN
HALIFAX RIVER
VOLUSIA COUNTY
Concord Dr
Roberta Rd
Carol Rd
Seaside Dr
Azalea Dr
Palm Dr
Hibiscus Dr
Essex Dr
River Dr
Plaza Dr
Banyan Dr
Ormwood Dr
Ahlsdeh Rd
Country Club Dr
Wildwood Ave
Neptune Ave
Oak Dr
Orchard Ln
E Granada Blvd (S.R. 40)
Vining Ct
Selvin Trl
Seminole Ave
Valencia Dr
Halifax Dr
Rockefeller Dr
River Beach Dr
Pleasant Dr
Cardinal Dr
Benjamin Dr
Marvin Rd
Kent Dr
Harvard Dr
Riverside Dr
Peninsula Dr
Oleander Ave
Boylston Ave
N Halifax Dr (C.R. 2003)
Riverside Dr (C.R. 4011)
Buena Vista Ave
Ridgewood Ave (US 1 Hwy)
Dahlia Ave
Dayton Ave
Walker St
12th St
10th St
9th St
8th St
LPGA Blvd (C.R. 4019)
Granada Blvd (S.R. 40)
Beach St (C.R. 4011)
Atlantic Ave (S.R. A1A)
Ocean Shore Blvd (S.R. A1A)
John Anderson Dr (C.R. 2003)
N Beach St (C.R. 4011)
Ormond Beach Pkwy
Old Kings Rd
S Old Kings Rd
N Old Kings Rd
S Orchard St
N Orchard St
S Ridgewood Ave
N Ridgewood Ave
S Washington St
N Washington St
S Atlantic Ave
N Atlantic Ave
Division Ave
Ellsworth Ave
Granada Blvd
Granada Blvd (S.R. 40)
Granada Blvd (S.R. 40)
Granada Blvd (S.R. 40)

**7. Reclaimed Water Reuse and Effluent Disposal**

| Method of Reuse or Disposal | Number of Reuse or Disposal Points | Total Design Capacity (mgd) | Basis of Design Flow |
|---|---|---|---|
| Surface Waters - Excluding Ocean Outfalls and Wetlands (Rule 62-600.510, F.A.C.) | 1 | 6.0 | Annual Average |
| Ocean Outfalls (Rule 62-600.520, F.A.C.) | | | |
| Wetlands (Rule 62-600.620, F.A.C.) | | | |
| Reuse of Reclaimed Water and Land Application (Rule 62-600.530, F.A.C.) | +/- 2,800ac<br>(Prop: +/-3,700ac) | 7.5<br>(Proposed: 10.0mgd) | Annual Average |
| Ground Water Disposal by Underground Injection (Rule 62-600.540, F.A.C.) | | | |
| Other (Describe) | | | |
| Total | 2 | 13.5 (Prop: 16.0mgd) | Annual Average |

**8. Flows to Another Wastewater Facility**

a. Does the facility discharge or transport treated or untreated wastewater to another treatment facility?
☐ Yes ☒ No

b. If yes, describe the mean(s) by which the wastewater from the treatment facility is discharged or transported to the other treatment facility (e.g., collection/transmission system, reclaimed water distribution system)?
N/A

If transport is by a party other than the applicant, provide the following:
Transporter name: N/A
Mailing Address:

Contact person:
Title:
Telephone number:

c. For each treatment facility that receives this discharge, provide the following:
Name: N/A
Mailing Address:

Contact person:
Title:
Telephone number:

**7. Type of Reuse or Land Application System**

☐ Slow-rate land application system/restricted public access (Chapter 62-610, F.A.C., Part II)
☒ Slow-rate land application system/public access areas, residential irrigation, and edible crop irrigation (Chapter 62-610, F.A.C., Part III)
☐ Rapid-rate land application system (Chapter 62-610, F.A.C., Part IV)
☐ Absorption field system (Chapter 62-610, F.A.C., Part V)
☐ Overland flow system (Chapter 62-610, F.A.C., Part VI)
☐ Other land application system with additional levels of preapplication treatment (Rule 62-610.660, F.A.C.)
☐ Other land application system with lower levels of preapplication treatment (Rule 62-610.670, F.A.C.)

**8. Application Areas and Rates**

| Site/Use Type/Major User | Area (acres) | Rate (inches/week) | Capacity (mgd) |
|---|---|---|---|
| | | | |
| SEE ATTACHED TABLE | | | |
| | | | |
| Residential/Recreational/Cemetary | 3,264 | 0.60 | 7.60 |
| Golf Courses | 437 | 1.4 | 2.38 |
| Total | 3,702 | | 9.98 |

**9. Additional Information Required for Reuse Systems Permitted Under Part III of Chapter 62-610, F.A.C.**

a. Areas Irrigated

☒ Residential lawns
☒ Golf courses
☒ Cemeteries
☒ Parks, playgrounds
☒ Landscape areas
☒ Highway medians, rights-of-way
☐ Edible crops
☐ Others

If other, specify _____

b. Other Uses of Reclaimed Water

☐ Toilet flushing
☒ Fire protection
☐ Construction dust control
☐ Aesthetic purposes (decorative ponds, fountains, etc.)
☐ Others

If other, specify. Reclaimed supplies fire hydrants in Breakaway Trails & Hunters Ridge subdivisions

# CITY OF ORMOND BEACH WWTF

# FDEP OPERATING PERMIT RENEWAL 2014

## ADDITIONAL INFORMATION FOR FORM 2A:

**Section 3B, Item 8.**

| Site Number | User Name | User Type | Acreage | Rate (in/wk) | Capacity (MGD) |
|---|---|---|---|---|---|
| PAA-1 | North Peninsula – Residential | Residential Developments | 595 | 0.60 | 1.38 |
| PAA-2 | Residential/Recreational Open Space | Residential Developments | 594 | 0.60 | 1.38 |
| PAA-3a | Oceanside Golf Course | Golf Course | 125 | 1.4 | 0.68 |
| PAA-3b | Tomoka Oaks Golf Course | Golf Course | 147 | 1.4 | 0.80 |
| PAA-3c | River Bend Golf Course (Future) | Golf Course | 165 | 1.4 | 0.90 |
| PAA-4 | Western Ormond Beach – Residential | Residential Developments | 1,399 | 0.60 | 3.26 |
| PAA-5 | South Peninsula-Residential | Residential Developments | 676 | 0.60 | 1.57 |
| | | **TOTAL:** | **3,3701** | **--** | **9.98** |

**RESOLUTION NO. 2020-85**

A RESOLUTION ACCEPTING A BID FROM PACE ANALYTICAL SERVICES, LLC FOR LABORATORY SERVICES REGARDING WATER AND WASTEWATER FACILITY SAMPLE TESTING AND LAB ANALYSIS, UNDER BID NO. 2020-23; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; REJECTING ALL OTHER BIDS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City advertised for bids (Bid No. 2020-23) for laboratory services regarding sample collection and testing of the City's potable water, sewer and reclaimed water ("the Project") pursuant to section 2-300, *Code of Ordinances*, and

**WHEREAS**, the City's professional staff have reviewed the bids received and have determined that the bid submitted by Pace Analytical Services, LLC in the amount of $61,418.00/year is the lowest responsible and responsive bid (a copy of the bid being incorporated in the contract which is attached hereto and incorporated herein by reference), and

**WHEREAS,** the City Manager has certified that the money for the payment of the Project is appropriated in the Water and Wastewater Fund, and

**WHEREAS,** the City Commission concurs with the foregoing recommendations, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The bid submitted by Pace Analytical Services, LLC to provide laboratory testing services in the amount of $61,418.00/year is hereby accepted.

**SECTION TWO.** All other bids relative to the aforedescribed Project shall be deemed rejected upon the execution of a contract with Pace Analytical Services, LLC.

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute a contract with Pace Analytical Services, LLC to provide the services for an initial one-year term at $61,418.00 plus four possible renewal periods of $61,418.00 per year for a total of $307,090.00 over a five-year period, and to pay the cost thereof from the Water and Wastewater Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 28th day of July, 2020.**

**BILL PARTINGTON**
Mayor

**ATTEST:**

**COLBY J. CILENTO**
City Clerk

# AGREEMENT

**THIS AGREEMENT** is made and entered into by and between the **City of Ormond Beach** ("City"), a Florida municipal corporation, 22 South Beach Street, Ormond Beach, Volusia County, Florida and **Pace Analytical Services, LLC** ("Contractor"), 8 East Tower Circle, Ormond Beach, FL 32174, and in consideration of the mutual promises and covenants herein contained, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the following:

1. **Scope of Work.** The Proposal dated June 17, 2020, attached hereto as Exhibit "A", and the Invitation to Bid (2020-23 "Laboratory Testing Services") dated June 10, 2020, attached hereto as Exhibit "B", are incorporated herein by reference and are a material part of this Agreement. The Contractor shall fully comply with the terms and conditions described in the attached exhibits.

2. **Term.** This Agreement shall be effective on the date it is fully executed by the parties. The initial term of this Agreement shall be for a period of one (1) year and shall be automatically renewed for four (4) additional one-year periods, unless either party provides a written notice of non-renewal at least ninety (90) calendar days prior to the Agreement expiration date.

3. **Consideration.** Contractor shall perform the services at the prices set forth on the attached exhibits. Contractor shall prepare and submit invoices to the City at the address set forth in Paragraph 9 of this Agreement. All such invoices shall be paid by the City within thirty (30) days.

4. **Delivery.** Contractor shall complete the project within the time frame set forth on the attached exhibits.

5. **Termination of Agreement**.
   (a) The City Commission shall have the right to terminate the Agreement in the event the Contractor files any petition or proceeding for bankruptcy relief, or is adjudicated to be bankrupt or insolvent, or fails to pay just debts as they ordinarily become due; or for a material breach of this agreement that remains uncured for at least thirty days after prior written receipt of a notice of violation of same.

   (b) This Agreement may not be terminated by the Contractor.

6. **Assignment**. The Contractor shall not assign, convey or transfer all or any part of this Agreement, or all or any part of Contractor's interest herein, or all or any part of any interest in the Contractor, without the prior written consent of the City Commission, which consent shall not be unreasonably withheld.

7. **Complete Agreement**. This Agreement, including the provisions set forth in the exhibit attached hereto and incorporated by reference herein, constitutes the entire and complete

agreement of the parties, and the promises and covenants herein contained shall survive the life of this Agreement.

8. **Amendment to Agreement**. Any amendment, change, or modification of this Agreement must be in writing and fully executed by both parties.

9. **Notices**. All notices which are required by this Agreement shall be provided to the parties at the following addresses, or such other addresses as may be requested in writing by either party:

| | |
|---|---|
| **City of Ormond Beach** | **Pace Analytical Services, LLC** |
| Joyce Shanahan, City Manager | Garrett Ervin, General Manager |
| (copy to City Attorney) | 8 East Tower Circle |
| 22 South Beach Street | Ormond Beach, FL 32174 |
| Ormond Beach, FL 32174 | |

10. **Sovereign Immunity**. The City expressly retains and reserves all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the City.

11. **Venue**. The terms and conditions of this Agreement shall be construed and enforced under the laws of the State of Florida. Any action or proceeding, either at law or in equity, regarding this Agreement shall be brought in the circuit court, Seventh Judicial Circuit in and for Volusia County, Florida. Venue in any other jurisdiction or forum, whether it be any other circuit, state or federal venue, is hereby expressly waived.

12. **Waiver of Conditions**. No waiver by the City of any condition or breach of performance by the Contractor shall constitute an irrevocable, continuing, or subsequent waiver by the City of the same condition or breach of performance, or of any other condition or other breach of performance.

13. **Severability**. If any part of this Agreement is declared to be unenforceable or void by a court of competent jurisdiction, the remaining parts of the Agreement shall remain in full force and effect as long as the services to be provided by the Contractor are not materially affected, altered or impaired as a result of said judicial declaration.

14. **Conflicting Provisions.** In the event of any conflict between the provisions of this Agreement and any exhibits, the provision most favorable to the City shall control and shall be given full force and effect.

15. **Indemnification**. The City, its agents, employees, and officials, both elected and appointed, shall be indemnified and held harmless by Contractor from any and all liabilities, claims, and causes of action which may arise out of the willful, negligent, or unlawful acts or omissions of the Contractor or its subcontractors in the performance of this Agreement, unless such claims are a result of the City's sole negligence, as determined by the final decision maker of such claim.

16. **Duty to Defend.** The Contractor shall defend all suits and administrative actions, including all appellate proceedings, brought against the City, its agents, employees, and officials, both elected and appointed and shall pay all attorneys' fees and costs associated with the City's legal defense, as may be selected by the City, arising from all claims and causes of action described in Section 15 above. Such payment on behalf of the City shall be in addition to any and all other legal or equitable remedies available to the City and shall not be considered to be the City's exclusive remedy.

17. **Contractor's Insurance**. The Contractor shall purchase and maintain for the entire life of this Agreement, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under this Agreement, whether such operations be by the Contractor, or by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

18. **Types of Insurance and Limits of Liability.** The insurance required herein shall be written for not less than the limits of liability specified herein or as required by law, whichever is greater, and shall include the following:

(a) Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000. Each Accident Bodily Injury by Accident
$100,000. Each Employee Bodily Injury by Disease
$500,000. Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverages.)

(b) **Commercial General Liability Insurance** shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 88, or its successor form, including but not limited to the following coverages (any deviation shall be noted on the Certificates of Insurance), and the CITY OF ORMOND BEACH shall be named as an additional insured:

1. Premises and Operations
2. Owners' & Contractors' Protective
3. Products & Completed Operations
4. Explosion, Collapse & Underground Conditions
5. Blanket Contractual Liability
6. Personal Injury Liability
7. Broad Form Property Damage Endorsement, including Completed Operations
8. Independent Contractors
9. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
10. Pollution Liability (if applicable)
11. Asbestos Abatement (if applicable)
12. Fire Damage Liability

Certain coverages outlined above may not be required if they do not relate to the Agreement, as may be determined at the sole discretion of the City.

**Commercial General Liability Coverage** shall be written on an occurrence basis and the limits shall be no less than the following for all tiers of Contractors and Subcontractors:

| **Contract Value** | **Limits (not less than)** |
|---|---|
| 0 - 25,000 | $300,000 Each Occurrence |
| | $300,000 General Aggregate* |
| | $300,000 Aggregate Products & Completed Operations |
| | $ 25,000 Fire Damage (any one fire) |
| $25,001 - $250,000 | $500,000 Each Occurrence |
| | $1 Million General Aggregate* |
| | $1 Million Aggregate Products & Completed Operations |

| | | |
|---|---|---|
| | $ 50,000 | Fire Damage (any one fire) |
| $250,001 - $3,000,000 | $1 Million Each Occurrence<br>$1 Million General Aggregate*<br>$1 Million Aggregate Products & Completed Operations<br>$ 50,000 | Fire Damage (any one fire) |
| $3,000,001 & over | 20% of the Value of the Contract [Minimum $1 Million Each Occurrence/$2 Million General Aggregate] | |

* NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

(c) **Automobile Liability Insurance** for the operation, use, maintenance, loading or unloading of automobiles - ISO Symbol 1 (Any Auto) or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos). The coverage limits shall be no less than the following for all tiers of Contractors and Subcontractors:

| **Contract Value** | **Limits (not less than)** |
|---|---|
| 0 - 25,000 | $300,000 Combined Single Limit |
| $25,001 - $250,000 | $500,000 Combined Single Limit |
| $250,001 and over | $1 Million Combined Single Limit |

(d) Excess Liability

For Contracts of $250,000 or more, and in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention for occurrences insured in this Excess Policy not to exceed $25,000 and a minimum limit of $1 Million.

(e) Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great

a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provide a retroactive date no later than the inception date of claims made coverage.

19. **Requirements for Certificates of Insurance**.

(a) With the execution of this Agreement, the Contractor shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain a provision that the coverage under the policies will not be canceled, non-renewed or materially changed until at least **thirty (30)** days' prior written notice of such cancellation, non-renewal or change [except for nonpayment of premium, which shall be **ten (10)** days] has been given to the City. The Contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of this Agreement.

(b) New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

(c) If requested by the City, the Contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements.

(d) For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

(e) If the Contractor fails to obtain and maintain for the life of the Agreement the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City from the amount due the Contractor for the work covered by the Agreement.

(f) **Policies of Insurance**

1. Except as otherwise provided herein, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-) in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carriers; written confirmation is required.

3. All policies of insurance or certificates thereof referred to herein shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability and Automobile Liability policies of insurance and certificates thereof.

20. **Enforcement of Costs**. If any legal action or other proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default, or misrepresentation in connection with any provision of this Agreement, the successful or prevailing party or parties shall be entitled to recover reasonable attorneys' fees, court costs, and all expenses even if not taxable court costs (including, without limitation, all such fees, costs and expenses incident to arbitration, appellate, bankruptcy, and post-judgment proceedings), incurred in that action or proceeding or any appeal, in addition to any other relief to which the party or parties may be entitled. Attorneys' fees include legal assistant fees, expert witness fees, investigative fees, administrative costs, and all other charges billed by the attorney for the prevailing party.

21. **Compliance With Laws.** Contractor shall comply with all applicable federal, state and local laws and regulations.

22. **Compliance With Florida Public Records Law**. Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be

provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**COLBY J. CILENTO, CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32175. (386)676-3297**
**COLBY.CILENTO@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

23. **Limitation of Remedy and Liability.** Contractor and Owner expressly waive any claim for consequential damages against the other including but not limited to, a waiver of claims for diminished bonding capacity, loss of financing, loss of business reputation, lost profits on other projects or other lost opportunity damage claims.

Contractor expressly agrees that any claim (tort, contract, claim in equity, or otherwise) by Contractor for damages against Owner shall not exceed the total amount of the contract price, less any amounts actually paid to the Contractor by the Owner (or by an insurer of the Owner).

All liability of the City allegedly resulting from, arising out of or connected with this Agreement or from the performance or breach thereof, shall terminate three years from the execution of this Agreement.

24. **Waiver of Right to Jury Trial.** THE PARTIES HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT WHICH ANY PARTY MAY HAVE TO TRIAL BY JURY IN RESPECT OF ANY PROCEEDING, LITIGATION OR COUNTERCLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR ACTIONS OF ANY PARTY. IF THE SUBJECT MATTER OF ANY LAWSUIT IS ONE IN WHICH THE WAIVER OF JURY TRIAL IS PROHIBITED, NO PARTY TO THIS AGREEMENT SHALL PRESENT AS A NON-COMPULSORY COUNTERCLAIM IN ANY SUCH LAWSUIT ANY CLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT. FURTHERMORE, NO PARTY TO

THIS AGREEMENT SHALL SEEK TO CONSOLIDATE ANY SUCH ACTION IN WHICH A JURY TRIAL CANNOT BE WAIVED.

25. **Effective Date.** This Agreement shall become effective upon the date last signed by the parties hereto.

IN WITNESS WHEREOF, the undersigned parties have caused this Agreement to be signed on the dates indicated hereinbelow.

DATED this 28 day of July, 2020.

Witnesses:

Wendy Hontz

Print Name: Wendy Hontz

Cassidi Ritz

Print Name: Cassidi Ritz

**CITY OF ORMOND BEACH**

By: Bill Partington

**BILL PARTINGTON**
Mayor

By: Joyce Shanahan

**JOYCE SHANAHAN**
City Manager

DATED this 2 day of July, 2020.

Witnesses:

Print Name: Sakina M. McKenzie

Lisa Harvey

Print Name: Lisa Harvey

**PACE ANALYTICAL SERVICES, LLC**

By: Garrett Ervin

Print Name: Garrett Ervin

Title: General Manager

Attest:

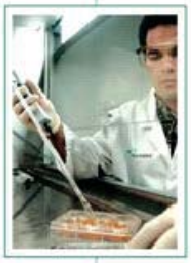
Print Name: Elizabeth Boivin Day

Title: Account Ex. / Notary

Elizabeth Boivin Day
Comm. # GG338234
Expires: July 19, 2023
Bonded Thru Aaron Notary












**ITB 2020-23**
**Laboratory Testing Services**
**City of Ormond Beach**
**Due 2:30PM June 17, 2020**

Pace Analytical Services, LLC
Michael F. Valder
813-340-8100
Michael.Valder@pacelabs.com
8 East Tower Circle
Ormond Beach, Florida 32174



# Laboratory Testing Services

Table of Contents


| | |
|---|---|
| a.Copies of current State, NELAP, and EPA certifications or other documentation that firmly establishes, to the satisfaction of the City, the certification status of the laboratory for all listed parameters must be submitted with your bid | See Enclosed Thumb Drive |
| b. A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall be shall be firm for the duration of the contract. | See Appendix A |
| c. One (1) copy of the laboratory NELAC compliant "Quality Manual" shall be provided with your Bid. | See Enclosed Thumb Drive |
| d. A statement indicating the percentage of work to be subcontracted. Additionally, the statement shall also confirm that the laboratory has sufficient staffing to assume the responsibility for the testing to be performed on behalf of the City of Ormond Beach. | Page 3 |
| e. The results from the most recent previous two WP/WA/NELAC Proficiency Testing studies are to be included in your submittal. | See Enclosed Thumb Drive |
| f. Copies of the last two FDOH laboratory assessments with corrective actions taken are to be included in your submittal. | See Enclosed Thumb Drive |
| g. A description of the laboratory and its relevant prior experience, specifically as related to governmental agencies. | Page 3 |
| h. A list of four references who shall confirm instances of comparable testing performed for governmental entities. If these cannot be provided, please explain. | Page 13 |
| i. The name and resume, including employment history with the Company, of the **senior staff** individuals who will perform the testing. If the successful provider subcontracts work under this contract, the same information will be provided for the subcontract laboratory. | Page 14 |
| j. Documentation which establishes the length of time in business in the State of Florida (at least four (4) years required). | Page 30 |
| k. Laboratories with service contracts cancelled within the previous five years due to failure to provide accurate testing results are not eligible to bid. | Page 32 |
| Appendix A – City of Ormond Beach bid Forms | Page 33 |

## d. A statement indicating the percentage of work to be subcontracted. Additionally, the statement shall also confirm that the laboratory has sufficient staffing to assume the responsibility for the testing to be performed on behalf of the City of Ormond Beach

Pace will subcontract only the 200.9 for Thallium ( to Benchmark EA) bioassay (to Hydrosphere) and Giardia/Cryptosporidium (to ASI) analysis. All other analysis will be performed by pace Analytical. That represents 3 tests out of 5100 tests which is <0.06% of the total tests. Pace is the incumbent laboratory and has sufficient staffing to continue serving the City of Ormond Beach for contract needs.

## g. A description for the laboratory and its relevant prior experience, specifically as related to governmental agencies.

Pace Analytical Services, LLC (Pace Analytical) was established in 1978. We are a privately held, full-service sampling and analytical services firm operating a network of 41 environmental laboratories and 45 service centers nationwide, plus 3 Life Sciences laboratories. All of our full-service environmental laboratories are NELAC accredited. Our laboratories utilize U.S. EPA, ASTM, Standard Methods, NIOSH, and other accepted test procedures and methods, in accordance with federal and state regulations.

The company consists of three divisions: Environmental, Life Sciences and Scientific Professional Services. Analytical testing and related services include analytical chemistry, on-site field sampling, product and material testing, microbiology services, medical device and drug-device combination product testing, professional laboratory staffing, and lab equipment sales and services. Pace Analytical maintains a comprehensive list of certifications and methodologies throughout our laboratories. In addition to offering full service environmental analytical services, Pace Analytical provides the following specialty environmental testing services:

- Drinking Water
- Water / Wastewater
- Air Toxics
- PFAS Testing
- Microbiological
- Mixed Waste Characterization
- Field Sampling and Analysis
- Aquatic Toxicity / Bioassay
- Radiochemistry
- Low Level Mercury Analysis
- Vapor Intrusion
- PCB Congeners
- On-Site Gas Phase FTIR
- Dioxin / Furan

Pace Florida provides comprehensive environmental laboratory services from its Oldsmar, Ormond Beach and Pompano Beach, Florida locations. The Pace Florida laboratory in Ormond Beach was expanded to 20,000 square feet and completely renovated in 2010 and expanded again to add 10,000 more square feet in 2017. In addition, at that time the operation began operating on a 24 hour a day schedule Monday through Friday, and 12 hour a day schedule on Saturday and Sunday. As a result, the average turnaround time for mainstream parameters is less than our industry competitors.
Pace Florida provides field sampling and laboratory testing services to numerous cities and counties around the state. Most of our analytical services associated with City of Ormond Beach will be completed at our Ormond Beach, FL facility.

Pace is currently the lab contractor for:

- Collier County
- Palm Beach County
- Orlando Utilities Commission (OUC)
- City of Sanford
- City of Port Orange
- Miami-Dade County
- St. Lucie County
- Brevard County
- Volusia County
- Lake County
- Sarasota County

A strength of Pace's is the production of Florida Drinking Water forms and Electronic Data Deliverables (EDDs). Pace has automated this process as much as it can be automated and delivers EDDs within a day of final report generation.
Pace is the only national laboratory company that has every lab operating on a uniform Laboratory Information Management System (LIMS). This system coupled with PacePort enables clients and Pace Project Managers to accurately schedule and modify client accounts and projects. PacePort is Pace's password protected website that provides clients with access 24/7 to their data and other tools:

- Access to all records such as final reports, drinking water forms, chain-of-custodies, invoices, and preliminary data
- Automated and customized container ordering, and COC creation
- Immediate notification of sample receipt and itemized sample log-in information
- Automated notification of exceedances of action and permit limits
- Automated creation of EDDs such as ADaPT customized to your specifications and formats
- Rush project tracking
- Automated delivery of reports and EDD's via email to multiple addresses
- Indefinite historical retention of all data

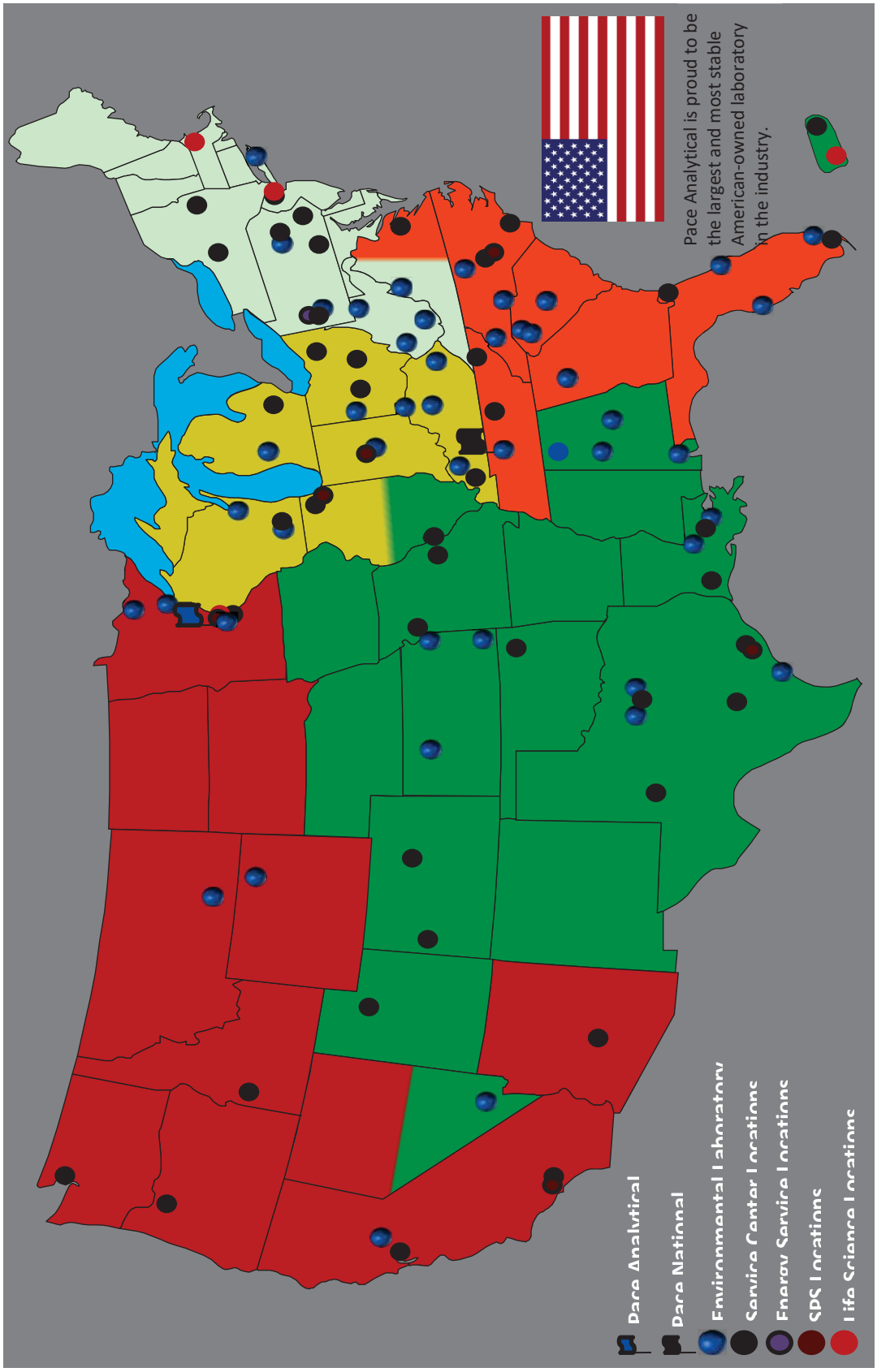
Our Management Team and Department Managers have on average at least 20 years of experience in the analytical testing arena, which gives us a clear understanding of how to work with clients like City of Ormond Beach with environmental needs in multiple disciplines.

Thanks in advance for your time and support of Pace Analytical Services and we look forward to continuing a long-term win-win relationship with the City of Ormond Beach. This proposal had been made without collusion with any other person or entity submitting a proposal pursuant to this ITB. Please do not hesitate to contact us if you have any further questions or needs. I am the main contact for this submittal and can be reached directly at 813-340-8100 and my email is Mike.Valder@pacelabs.com Garrett Ervin is the authorized to negotiate on behalf of Pace Analytical Services for this contract. He is the General Manager for the Florida Operations and can be reached at 386-676-4839 direct and his email is Garrett.Ervin@pacelabs.com.

Below is a list of the Pace Florida Instrumentation:

- 25 Gas Chromatograph/Mass Spectrometer Systems
- 15 Gas Chromatograph Systems
- 5 High Pressure Liquid Chromatographs
- 2 Liquid Chromatograph-Mass Spectrometer/Mass Spectrometer Systems
- 3 Lachat Automated Analyzers
- 3 Inductively Coupled Plasma/Mass Spectrometer Systems
- 4 Inductively Coupled Plasma Systems
- 1 Mercury Analyzers
- 1 Low-level Mercury Analyzer
- 9 Ion Chromatographs
- 2 TOC Analyzers

The map on the next page shows the Pace locations of all our facilities.


Pace Analytical is proud to be the largest and most stable American-owned laboratory in the industry.
Pace Analytical
Pace National
Environmental Laboratory
Service Center Locations
Energy Service Locations
SPS Locations
Life Science Locations

Hydrosphere Research is a state and nationally recognized aquatic toxicity testing laboratory. We provide full bioassay laboratory resources that offer a wide array of services to private and public clients.
The following is a brief summary of our qualifications.

## Certifications

- NELAC accredited aquatic toxicity testing and bioassay lab (first commercial bioassay lab in Florida to receive accreditation)

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## Customer Service

Hydrosphere Research has retained many of its clients since the lab's inception at CH2M Hill in 1986. We pride ourselves on providing unmatched customer service. Our SOQ contains a partial list of references. Please contact us for a list of references specific to your area or industry.

## Services

Hydrosphere Research professionals assist clients in toxicity test design, sample collection, and other toxicity issues throughout the United States. This specialization has aided clients in the public and private sectors in determining the potential impact of project development and in the design of suitable alternatives.

## Facilities

Hydrosphere Research's laboratory and office facilities are located in the Progress Corporate Park at 11842 Research Circle, Alachua, Florida, only minutes away from the University of Florida. We have divided our test facilities into separately lighted and climate-controlled sections to accommodate various test conditions or requirements. We also maintain an aquaculture facility separate from the testing labs for a wide range of fresh and saltwater cultures. We follow strict procedures for maintaining lab equipment and each machine or piece of equipment is available in at least duplicate. This helps us provide our clients quick turnaround time and avoid delays related to equipment. We also have an emergency generator installed to maintain our client's tests even during the most inclement weather. Our building and cold room environmental conditions are monitored remotely; should any event occur in our lab, the laboratory staff will be immediately notified.

## Aquaculture

We culture all freshwater and most saltwater organisms required for routine toxicity testing.
Hydrosphere has also developed innovative aquaculture techniques for the propagation of many species in both the bioassay, tropical fish and mariculture industries.

## Personnel

Hydrosphere Research boasts a highly skilled roster of scientists, engineers and support staff. In addition, our location near one of the nation's leading research centers provides us with easy access to some of the industry's most talented assistance, allowing us the flexibility to increase or decrease staff size for special projects.
Facilities are staffed seven days a week, 365 days a year for toxicity test monitoring, toxicity test initiation, and organism culturing.

We invite you to visit our state-of-the-art facilities in the scientific community at Progress Corporate Park in North Central Florida. To schedule a tour or to find out more about our services and how Hydrosphere Research can help you meet today's environmental standards, call us at 866.375.9004 or use our .

Below is a summary of some our government work. The work we do for EPA dwarfs all of the other government work combined. These are in order or size/value of work we did and does not capture the work we do through a subcontractor (like the City of Ormond Beach).

| Client | Type of Work |
|---|---|
| US Environmental Protection Agency | Acute & chronic fresh & saltwater studies. Product toxicity tests, algal toxicity studies, sediment bioassays |
| University of Florida/US Department of Defense | Sediment bioassays |
| JEA | Chronic freshwater studies, organisms sales |
| Flagler Beach | Chronic saltwater studies |
| City of Savannah | Acute saltwater & chronic freshwater studies. |
| St. Johns County | Acute freshwater, chronic freshwater & saltwater studies. |
| City of Chattahoochee | Chronic freshwater studies |
| Clay County Utility Authority | Acute freshwater & chronic saltwater studies |
| City of Tallahassee | Chronic freshwater & saltwater studies |
| City of Boca Raton | Chronic saltwater studies |
| Town of Orange Park | Chronic freshwater studies |
| City of Fernandina Beach | Chronic saltwater studies |
| City of Daytona Beach | Chronic freshwater studies |
| City of Neptune Beach | Chronic saltwater studies |
| Florida State Hospital | Chronic freshwater studies |
| City of Lakeland | Chronic freshwater studies |
| City of Jacksonville Beach | Chronic freshwater studies |
| City of Bradenton | Chronic freshwater studies |
| City of Jasper | Chronic freshwater studies |
| City of Hollywood | Acute Saltwater studies |
| City of Atlantic Beach | Chronic saltwater studies |
| City of Orlando | Chronic freshwater studies |
| City of St. Augustine | Chronic saltwater studies |
| Town of Callahan | Chronic freshwater studies |
| City of Rincon | Chronic freshwater studies |

| | |
|---|---|
| Town of Hastings | Acute & chronic freshwater studies |
| City of Starke | Chronic freshwater studies |
| City of Tybee Island | Chronic saltwater studies |
| City of Sanford | Acute freshwater studies |
| Camp Blanding | Acute freshwater studies |
| Putnam County | Acute freshwater studies |
| Town of Hilliard | Acute freshwater studies |
| Town of Macclenny | Chronic freshwater studies |
| City of Tarpon Springs | Acute freshwater studies |
| City of LaGrange | Chronic freshwater studies |

# ANALYTICAL SERVICES, INC. (ASI)
*Microbiological Testing, Research and Consulting*

Description of Lab:

## 1. PERSONNEL

- Harry Christman, Ph.D. -ASI Technical Director
  -Technical Lead – General Microbiology (*Legionella*)
  -PhD in Microbiology, 2011
  -BS in Microbiology, 2002
  -19 years experience in commercial and academic laboratories
- Aimee Benjamin, Ph.D. -ASI Quality Assurance Officer
  -Technical Lead - *Cryptosporidium/Giardia*
  -USEPA/LT2 Principal Analyst
  -PhD in Animal Science in 2016
  -5 years experience with *Cryptosporidium/Giardia*
- Roberto Rodriguez, PhD -ASI Senior Virologist
  -PhD Environmental Science, 2007
  -BS Microbiology, 1997
  -13 years experience in commercial and academic laboratories
- Paul Warden -Vice President and Director of Operations
  -30 years experience in commercial laboratory environment
  –Contact Person: pwarden@analyticalservices.com, 800-723-4432 x15

Analytical and Support Staff - Presently, ASI employs 12 people in our Williston, VT facility (10 scientists / microbiologists and 2 technicians). Four (4) staff perform EPA Method 1623.1 and two (2) of our Microbiologists are USEPA/LT2 Approved Principal Analysts for *Cryptosporidium* and *Giardia*, a third is a USEPA/LT2 Approved Analyst and the fourth is a Technician. This depth and expertise of our staff provides ASI redundancy to cover planned and unplanned staff absences, the flexibility to handle special projects and/or unscheduled work, as well as the ability to cross-train for redundancy/back-up.

In addition, ASI has been long committed to, and known for, outstanding client services. Our focus on client services functions, including front-end client interaction, work scheduling, shipping of supplies, sample receipt and log-in, and report preparation helps ensure seamless project execution. Sample collection kits are typically shipped three weeks in advance of the

scheduled sample collection date and any issues relative to samples received at ASI are quickly communicated to the client to allow timely resolution.

## 2. EXPERIENCE

Analytical Services, Inc. (ASI) is a full service environmental microbiology laboratory located in Williston, VT. Our primary business has been serving the public water supply industry with microbiological testing, research and consulting services for more than 25 years. ASI clients include state and local governmental entities, public water suppliers (public and private), corporations and engineering firms/consultants. ASI holds both state and municipal level monitoring contracts.
ASI is nationally recognized as an expert laboratory for protozoa analysis. Accordingly, we have been involved in numerous EPA-sponsored protozoa research projects, including the USEPA's multi-laboratory validations of EPA Method 1623.1 (2012), Method 1623 (1999) and Method 1622 (1998). ASI has analyzed more than 30,000 samples for the detection of *Cryptosporidium* and *Giardia* using EPA approved methods over more than 20 years.

Paul Warden
Vice President & Director of Operations
800.723.4432 x15
802.876.1339 Direct
pwarden@analyticalservices.com

**ANALYTICAL SERVICES, INC.**
130 Allen Brook Lane
Williston, VT 05495 USA
www.analyticalservices.com

Pace Analytical®

BENCHMARK
EnviroAnalytical, Inc.

Benchmark EnviroAnalytical, Inc.
Firm Profile

BenchmarkEA has 25 years of experience in analyzing water, soil and sediment. The laboratory is owner operated with thirty employees and two Florida locations, one in North Port / Port Charlotte and one in Palmetto. Both laboratories are NELAP certified and are operated by personnel having science degrees in chemistry or biology. The realm of certification includes organics, metals, inorganics, physical properties and microbiology. The complete list of certified analytes may be viewed at www.BenchmarkEA.com. BenchmarkEA is also certified by the Florida Office of Supplier Diversity as a minority Business Enterprise. BenchmarkEA's laboratory director has a Ph.D. in organic chemistry and is intimately familiar with the laboratory operations. The management team of supervisors and quality assurance officers works together to meet the company objective of providing "correct results the first time, on time".

Environmental analytical and field sampling experience includes surface water, storm water, groundwater and sediment / soil projects. Analytical project experience includes long term surface water studies for several watersheds and groundwater projects for drinking water production sites and large industrial sites. BenchmarkEA has extensive analytical experience with ASR wells and frequently associated RO treatment streams. BenchmarkEA has an excellent reporting system that provides timely accurate reports that can be tailored to client spreadsheet requirements. In addition, reports can be generated in aDaPT format or in a format uploadable to DEP STORET when required by compliance agency programs.

## h. A list of four references who shall confirm instances of comparable testing performed for government agencies.

Organization Name: Volusia County
Address: 1990 Tomoka Farms Road
Address: Daytona Beach, FL 32114
Contact: Ms. Jennifer Stirk
Telephone:386-947-2952
Email: jstirk@co.volusia.fl.us

Organization Name: Hillsborough County
Address: 9456 E. Columbus Drive
Address: Tampa, FL 33619
Contact: Ms. Sandra Fernandez-McCoin
Telephone:813-27-5977
Email: fernandezsa@hillsboroughcounty.org

Organization Name: Miami-Dade Water and Sewer Division
Address: 8950 SW 232 Street
Address: Miami, FL 33190
Contact: Mr. Rolando Camilo
Telephone: 786-268-5631
Email: Rolando.Camilo@miamidade.gov

Organization Name: Brevard County
Address: 3630 N. Courtenay Parkway
Address: Merritt Island, FL 32753
Contact: Mr. David Dezman
Telephone: 321-455-1339
Email: David.Dezman@brevardcounty.us

## i. The name and resume, including employment history with the company, for the senior staff individuals who will perform the testing.

**JEFF BAYLOR**
**SENIOR PROJECT MANAGER**

**EDUCATION**
B.S., Biology (Pennsylvania State University, 1996)

**REGISTRATIONS**
American Chemical Society

**EXPERIENCE**
Mr. Baylor has been a project manager for the laboratory since 2001 specializing in landfills, NPDES, drinking water, solid waste, and other State programs. His many years of service with the laboratory have given him a background that allows him to help clients with their site-specific work plans, applicable methodologies, turnaround time requirements, and project data quality objectives. In the capacity as Project Manager, Mr. Baylor provides his clients as the one point of contact for all their production and technical needs. He serves as a liaison between the client and the laboratory operations and currently serves a diverse group of clients, including many cities, counties, utilities, and consultants.

Prior to assuming the position of Project Manager, Mr. Baylor was the Supervisor of the laboratory's Biology Laboratory. He oversaw all areas of the department including the Microbiology and Toxicity sections. For the Microbiology section, he was in charge of the following: media preparation; quality control; detection and enumeration of densities of Fecal and total Coliforms, *Fecal Streptococcus*, *Enterococcus*, and heterotrophic bacteria. In 2002, he led the effort for ELAB to become EPA certified for testing for *Aeromonas* bacteria in drinking water under the Unregulated Contaminant Monitoring Rule (UCMR) program. For the toxicity section, he was responsible for organism breeding, quality control, freshwater and saltwater bioassays using EPA certified methods for both Acute and Chronic tests, and statistical evaluation of toxicity tests performed for client's NPDES permits.

Prior to this, Mr. Baylor supervised the Inorganic Department for several years after working as an analyst in the Metals and General Chemistry departments for six years. While in the General Chemistry department, he utilized gravimetric, potentiometric, titrimetric, and colorimetric approved methodologies to test samples of varied matrices including drinking water, ground water, surface water, waste water, solids, and sludges. He used a wide variety of instrumentation including manual and automated colorimetric analyzers, Ion Chromatograph, IR Chromatograph, and digestion/distillation apparatus. In the Metals department, he was responsible for all aspects of testing including digestion, analytical, and quality control. He is

proficient with the instrumentation used for the quantification of metallic elements such as flame and graphite furnace AA and cold vapor analysis of mercury.

During his tenure, Mr. Baylor help set up the Toxicity Characteristic Leaching Procedure methods now used by the laboratory for testing materials for clients under the RCRA program. He also supervised and conducted the setup and incubation of samples for Simulated Distribution Systems (SDS) and Biodegradable Organic Carbon (BDOC) analysis, which is related to the Information Collection Rule program.

**GARRETT ERVIN**
**GENERAL MANAGER FLORIDA OPERATIONS**

**EDUCATION**
B.A., Biology, Minor Geology (Western Michigan University, 1994)

**EXPERIENCE**
Mr. Ervin joined Pace Analytical in 2017 and is serving as the Operations Manager for the Ormond Beach Lab. He is responsible for the direction and coordination of the daily activities for 168 staff scientists, administrative personnel and service technicians at the company's Florida operations. He is responsible for maintaining project management oversight and direction in conjunction with corporate directives and goals, and he provides guidance and direction to the laboratory's Quality Assurance staff in conjunction with corporate goals, EPA guidelines, NELAC guidelines, and various other state and federal guidelines.
He is responsible for ensuring that on-time commitments, quality requirements, safety requirements and all reporting requirements are met by the facility. Mr. Ervin is also responsible for daily management of facility, including management of all departments to meet hold times, provide data and deliver analytical reports on time. Mr. Ervin manages staff and ensures the quality of service, the technical competence of the staff and any productivity and technical expansion as well as responsible for technical leadership and the development of department staff.

Prior to assuming the position of Operations Manager, Mr. Ervin was the Operations Manager for KAR Laboratories, Inc. He started as a Field Technician and rapidly transitioned to Client Services where he was a Client Services Technician, followed by Project Manager to Client Services Manager. Mr. Ervin developed his knowledge of test procedures and management skills. This included learning SDWA testing requirements and regulations. This enabled him to lead KAR Laboratories to be involved with extensive Pb/Cu testing during the Flint MI Drinking Water crisis.

**EDWARD OSGOOD**
**SEMIVOLATILES ENVIRONMENTAL MANAGER**

**EDUCATION**
B.S. Chemistry (Rollins College, 2006)

**RELEVANT EXPERIENCE**

Mr. Osgood has been in the environmental industry since 2006 when he started working for ELAB, Inc. as part of the semivolatiles department. He joined Pace Analytical in 2008 and continued his work in the same department. In this role, Mr. Osgood was responsible for the evaluation and processing of client samples as well as instrumental troubleshooting and routine maintenance. As needed his responsibilities also included the development and establishment of in-house testing parameters for new methodology and instrument technology. Instrumental experience includes GC with ECD, FID, and NPD variances though he is predominantly proficient in GC-MS experience with testing in SW-846 methodology as well as drinking water and UCMR3 testing methods. He has also served as both the Safety and Hazardous Waste Officer within the laboratory ensuring compliance with all company, state, and federal regulations.

In July 2017 Mr. Osgood transitioned into the Quality Assurance Manager position and had the responsibility to ensure that the Quality Systems in the Ormond Beach laboratory of Pace Analytical Services, LLC. was fully implemented and followed in order for the laboratory to achieve established standards of quality. He provided guidance and direction to the laboratory in conjunction with corporate goals and guidelines set by the EPA, NELAC, and various other state and federal agencies. This included maintaining regulatory compliance, data validation, laboratory analytical protocols, quality assurance documentation and conformance to quality criteria. He aided the Senior Quality Assurance Manager as a liaison between Pace Analytical-Florida and state/federal regulatory agencies on quality control issues. Mr. Osgood also provided technical support to laboratory operations and clients regarding methodology and project QA/QC requirements and is responsible for performing internal performance audits as well as systems audits on a regular basis.

In January 2019 Mr. Osgood accepted the position as manager of the environmental section of the semivolatiles department. In this role his responsibilities include management of staff and departmental budgeting as well as data validation and review. Mr. Osgood is able to apply his years of technical experience towards method development as well as provide technical support for instrumentation.

**TINA BUTTERMORE**
**SENIOR QUALITY MANAGER, FLORIDA**

**EDUCATION**
M.S. in Pharmacy (University of Florida, 2005)
B.S. in Biochemistry and BS in Microbiology and Cell Science (University of Florida, 2003)

**EXPERIENCE**
Ms. Buttermore has the responsibility to ensure that the Quality Systems in place at Pace Analytical-Florida are fully implemented and followed in order for the laboratory to achieve established standards of quality. This includes maintaining regulatory compliance, data validation, laboratory analytical protocols, quality assurance documentation and conformance to quality criteria. He serves as a liaison between Pace Analytical-Florida and state/federal regulatory agencies on quality control issues. Ms. Buttermore provides technical support to laboratory operations and clients regarding methodology and project QA/QC requirements and is responsible for performing internal performance audits as well as systems audits on a regular basis.

Ms. Buttermore has eight years experience in the environmental industry in both the analytical and regulatory sectors. She joined Pace Analytical in 2011 as the Technical and Operations Manager for the South Florida operations. As Technical Director and Operations Manager for the South Florida facility of Pace Analytical Services, Ms Buttermore had direct management responsibility for over 20 employees covering client services, analytical services and field services. She has previously held the positions of Quality Assurance Director, Technical Director, and various section management and analyst positions within the laboratory specializing in metals analyses (including ICP-AES, ICP-MS, cold vapor AA) and microbiology and wet chemistry techniques. She has also performed the role of Compliance and Enforcement Officer for both the Florida Department of Environmental Protection and the Florida Department of Health.

**TRISHA L. KELLY**
**Operations Manager**

**EDUCATION**
B.S. Biology (Radford University, 2003)

**RELEVANT EXPERIENCE**
Ms. Kelly is responsible for day to day management of the entire laboratory to include semi-volatiles, volatiles, wet chemistry, metals, and extractions.

Ms. Kelly past responsibilities have included the direction and coordination of the daily activities of the Semi volatiles analysis area. Her technical background helps her minimize instrumental down times in her area, thus allowing for a consistent and continuous performance of analyses. In order to be able to maintain short turnaround times, she is responsible of maintaining communication with project management and her area's analysts, making sure of the efficient scheduling of the workload. She is also responsible for maintaining her area is validated in accordance with the directives of the QA office, as well as within EPA guidelines, NELAC guidelines, and various other state and federal guidelines.

Since the beginning of her career, Ms. Kelly has advanced quickly in the laboratories she has worked, thanks to her talent, eagerness to learn new methods, and troubleshooting abilities. Her analytical and technical knowledge has made her a source of information for her peers. Her ambitious nature has made her very willing to accept new and specialized projects which may require planning and organization.

Ms. Kelly's 16 years of environmental analytical laboratory experience includes work as an analyst in Wet Chemistry and Microbiology, Inorganic manager, Semi volatiles manager and now Operations manager. She is knowledgeable and proficient in a number of analytical protocols and methods.

**BRIAN MARK RUSLER**
**TECHNICAL DIRECTOR**

**EDUCATION**
BS Chemistry (University of Central Florida, 1989)

**REGISTRATONS**
American Chemical Society
ACS divisional Affiliations in Environmental Chemistry, Organic Chemistry and chemistry and Law.
Central Florida Officials Association
FHSAA – Florida High School Athletic Association – Referee Monsanto Fellow

**EXPERIENCE**
Mr. Rusler joined Pace Analytical Services in 2017. He is currently serving as the Technical Director. He is responsible for maintaining close supervision of daily work activities and data production for Semi-Volatiles and Volatiles Departments. His job duties include

- Responsible for ensuring analytical data quality objectives are met
- Expand the analytical capabilities of the laboratory
- Added new methods, micro extraction and SPE
- Maintenance of all analytical instruments used in the laboratory
- Troubleshoot instrument / method problems and resolution
- Maintain close contact with project managers and sales team
- Develop UCMR methods

**ERIC J. BATTISTA**
**QUALITY MANAGER – TAMPA LABORATORY**

**EDUCATION**
B.S. Chemistry- Clemson University (1997)

**RELEVANT EXPERIENCE**
Mr. Battista has over 10 years experience as a laboratory analyst, several years as a Project Manager, as well as over 3 years as a Quality Manager. He has working knowledge and established proficiency in a number of analytical procedures, with a primary emphasis in wet chemistry methodology. His experience includes a wide variety of gravimetric, colorimetric, and ion chromatography methods drafted by EPA and Standard Methods, using Discrete Auto Analyzers, Ion Chromatography, and FIA systems. In addition to his wet chemistry experience, he has worked extensively with HPLC-UV, HPLC-FLUOR, and GC-FID systems for a variety of EPA and FLDEP methods. As a Project Manager, he served as the primary liaison between customers and operations through the daily coordination of activities including overseeing sample logins, maintaining customer records, and assuring that final reports are sent to the customers. As a Quality Manager, he has the responsibility and authority for ensuring that the management system related to quality is implemented and followed at all times for the Florida laboratories. His responsibilities include, but are not limited to, document management and distribution, training file maintenance, internal/external on-site assessments, and laboratory data review.

Mr. Battista has worked within a number of areas in the environmental industry, including: Radiochemistry, Wet Chemistry, Metals, and Semi-volatile Organics. His client exposure spans many different types of projects, including groundwater monitoring, site assessments, site remediation, and drinking water monitoring under AFCEE, CLP, RCRA, and CWA/NPDES.

**MEGAN STACY**
**CLIENT SERVICE SUPERVISOR-ORMOND BEACH**

**EDUCATION**
High School Diploma
Daytona State College

**EXPERIENCE**
Ms. Stacy joined Pace Analytical Services in 2014. Ms. Stacy is responsible for the direction and coordination of the daily staff and activities in the Sample Receiving department in Ormond Beach. Her job duties include: primary point of contact for Project Managers and Sample Receiving, the daily triaging incoming client samples, work closely with the lab to priorities Short Holds/Rushes, logging in samples in a timely manner, subcontracting samples, and managing the day to day operations of the Sample Receiving Department.

**HAZEL ARANDA**
**METALS SUPERVISOR**

**EDUCATION**
B.S., Biology, (University of Central Florida, 2006)

**EXPERIENCE**
Ms. Aranda joined Pace Analytical Services in 2008. She is currently serving as the Metals Supervisor. She is responsible for the daily management of the metals department. Her job duties include: Planning, coordinating, and directing operations of the department to meet holding times, provide data of appropriate quality, and to deliver analytical reports on time.

Prior to assuming the position of Metals Supervisor with Pace in 2014, Ms.Aranda worked in both the Wet Chemistry and Metals departments on the analytical bench. She is knowledgeable and proficient in a number of analytical protocols, including: ICP, ICP-MS, CVAA instrumentation, IC, Lachat, and UV-Vis.

**EDWARD MANEN**
**ORGANIC EXTRACTION SUPERVISOR**

**EDUCATION**
A.S., Forensic Science (Daytona State College, 2011)

**EXPERIENCE**
Mr. Manen joined Pace Analytical Services in 2016. He is currently serving as the supervisor for the Organic Extraction Department. He is responsible for the extraction department's output of work as well as the coordination of work with the Semi-Volatiles Department, communication between the lab and management, resolving issues of problematic methods/analytes within the department, adding new extraction procedures to the department, and maintaining inventory for his department. In addition, he is also responsible for extracting 8270D, 8141, 8081, 8082, 608.3 and 8151A waters and 8270, PRO, 8081, 8082 and 8141 soils.

**SIEGA KANEYAMA**
**SUPERVISOR VOLATILE GROUP**

**Education** BS Business Management University of Phoenix AZ 2011

**Experience** Seiga Kaneyama joined Pace Analytical Services in 2008. She is currently serving as the Supervisor of the Volatile Group. She is responsible for the day to management of four employees. Her job duties include:

- Manage costs and project workload within the group
- Review and validate data as needed
- Maintain instrumentation
- Train analysts in use of instrumentation
- Oversee and enforce safety policies

**Previous Experience**

Prior to joining Pace, Seiga Kaneyama worked at Elab Inc. Her job duties included:

- Extracting and concentrating samples
- Metals prep work
- Running Mercury analyzer

**Instrumentation**

Agilent Technology 5973, 5975
Centurion Autosamplers
EST Evolution concentrators

**Methods**

SW8260B, D, 200.7, 200.8, 524.2, 624.1, 1311, 1312, 6010, 6020

**ADAM SMITH**
**WET CHEMISTRY / MICROBIOLOGY SUPERVISOR**

**EDUCATION**
Seabreeze High School, 2006

**EXPERIENCE**
Mr. Smith joined Pace Analytical Services in 2006. He is currently serving as the Wet Chemistry / Microbiology Supervisor. He is responsible for providing or overseeing the analysis, administration and oversight of lab, services, or testing policies, programs and practices; provides feedback and direction, and guidance to employees and management, using professional and technical knowledge of environmental, biological, chemical, and related areas. His job duties include:

- Supervises staff including hiring, training, evaluating performance, and performance management.
- Oversees and supervises broad areas of the operations, such testing, scheduling, inventories, services, communication and general coordination of the lab and services.

**Instrumentation/methodologies:** Titrations, gravimetric, total organic carbon, biological oxygen demand, UV, distillations as well as many probe-based methods.

# ANALYTICAL SERVICES, INC. (ASI)

*Microbiological Testing, Research and Consulting*

Aimee Benjamin, Ph.D.

Education:

University of Vermont
Ph. D. Animal Science, May 2016

Cornell University
B.S. Animal Science, May 2005

SUNY Cobleskill
B.S. Animal Science, May 2003

Major Areas of Expertise:

EPA methods 1623 and 1623.1 for detection of *Giardia* and *Cryptosporidium*
General Cell Culture

Summary of Experience:

Ms. Benjamin was a graduate student at the University of Vermont prior to coming to ASI. Her research focused on the immune response to bacterial infections in dairy cattle. She presented this research at several professional conferences and received 3rd place for an oral presentation in 2012.

Currently, Dr. Benjamin works as ASI's Protozoa Area Coordinator and EPA/LT2 Principal Analyst, as well as a Staff Microbiologist, performing analysis for 1623, 1623.1 and 1693. In addition, Dr. Benjamin serves as ASI's QA Officer and has trained on virus isolation and detection from water and solid samples using cell culture techniques.

Professional Experience:

**Analytical Services Inc., Williston, VT (July 2016 – Present)**
**Protozoa Area Coordinator / QA officer / EPA-LT2 Principal Analyst / Staff Microbiologist**

Responsibilities:
US EPA / LT2 approved Principal Analyst for EPA methods 1623 and 1623.1 for detection of *Giardia* and *Cryptosporidium*
Management and implementation of ASI QA Program (direct report to President of ASI)
General Cell Culture
Virus Isolation and Basic Virology

**University of Vermont, Burlington, VT (May 2010 - May 2016)**

**Graduate Student**

Responsibilities:
Primary Cell Isolation and Culturing
Cell Challenge Studies
Gene Expression and Protein Analysis
DNA/RNA extraction
Teaching Undergraduate Students

Presentations:

"Effects of an early-life LPS challenge on a subsequent LPS challenge in Holstein bull calves." **A Benjamin**, F Korkmaz, T Elsasser, and D Kerr. ADSA-ASAS Joint Annual Meeting, Orlando, FL July 2015

"Investigating innate immune response differences between Angus and Holstein cattle with the dermal fibroblast model." **A Benjamin**, W Weber, S McKay, B Crooker, and D Kerr. ADSA-ASAS Joint Annual Meeting, Kansas City, MO July 2014

"Use of dermal fibroblasts to predict the innate immune response to bovine mastitis." **A Benjamin** and D Kerr. Conference for Research Workers in Animal Disease, Chicago, IL, December 2012

"Variations within the innate immune pathways are not associated with selection for milk production." **A Benjamin**, B Green, and D Kerr. Mastitis Research Workers Conference, Chicago, IL, November 2011

Publications:

Neonatal LPS exposure does not diminish the innate immune response towards a subsequent LPS challenge in Holstein bull calves. **A. Benjamin**, F. Korkmaz, T. Elsasser, and D. Kerr. *Journal of Dairy Science.* 2016. 99: 1-14.

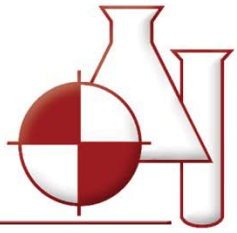
Differential responsiveness of Holstein and Angus dermal fibroblasts to LPS challenge occurs without major differences in the methylome. **A. Benjamin**, B. Green, B. Crooker, S. McKay, and D. Kerr. *BMC Genomics*. 2016. 17(1):258.

Cow-to-cow variation in fibroblast response to a toll-like receptor 2/6 agonist and its relation to mastitis caused by intramammary challenge with *Staphylococcus aureus*. **A Benjamin**, B Green, L Hayden, J Barlow, and D Kerr. *Journal of Dairy Science.* 2015. 98(3): 1836-50.

Between-cow variation in dermal fibroblast response to lipopolysaccharide reflected in resolution of inflammation during *Escherichia coli* mastitis. S Kandasamy, B Green, **A Benjamin**, and D Kerr. Journal of Dairy Science December 2011 (5963-75)

Pace Analytical®

BENCHMARK
EnviroAnalytical, Inc.



Resumé
Dale D. Dixon
Laboratory Director, BenchmarkEA

Dr. Dixon is BenchmarkEA's Laboratory Director and is responsible for laboratories in North Port and Palmetto. As a company co-founder he has led the company from one employee twenty-four years ago to thirty employees currently. During this period, the laboratory operation has changed from initially a predominantly manual mode to a highly automated operation for both analyses and processing generated data. Because of his first-hand experience in this development, Dr. Dixon is intimately familiar with all facets of the environmental laboratory. He has emphasized utilization of up-to-date analytical instruments and automated reporting up-loadable to client systems. Under Dr. Dixon's direction the company has grown to a current clientele base that includes industrial, mining, engineering and governmental markets.

Dr. Dixon has 25 years of experience managing all aspects of environmental analyses and sample collection in the field. His experience background includes managing long term surface water studies and groundwater projects for drinking water production sites such as ASR wells with RO systems and groundwater monitoring for large industrial facilities. During the years of operation he has developed numerous relationships with engineering firms and governmental agencies.

Dr. Dixon has extensive laboratory management experience including the areas of organic chemistry, polymer chemistry, catalytic chemistry and analytical chemistry. Prior to the founding of BenchmarkEA, he managed industrial chemical research at Air Products and Chemicals, Inc. Achievements include being named as an inventor on forty-four patents and as an author on twenty-three technical publications. His work won the IR-100 award from Industrial Research Magazine for having one of the one hundred most important inventions for 1978.

Dr. Dixon received a Ph.D. degree in organic chemistry from Oregon State University.

**Peter R. Meyer**
Hydrosphere Research
1049 NE 9th Ave
Gainesville, FL 32601

## WORK EXPERIENCE

**Laboratory Manager, Hydrosphere Research** 1995-Present
Responsible for overall laboratory operations including but not limited to developing and implementing standard operation procedures, training all laboratory personnel, development and documentation of new and existing test methods, and all aquaculture activities. Responsible for all testing including routine fresh and saltwater toxicity tests, algal toxicity tests, toxicity identification and reduction evaluation studies, sediment toxicity tests, soil toxicity tests and product toxicity tests.

Conduct an extensive number of acute, chronic and algal toxicity tests including both freshwater and marine species and both static and flow-through test design. Familiar with requirements for Biomonitoring Effluents Programs under EPA's National Pollutant Discharge Elimination System (NPDES).

**Laboratory Manager, CH2M Hill 1989-1995**
Previously employed in CH2M Hill's Gainesville bioassay laboratory for six years.

## RESEARCH

Participated in research project funded by Water Environment Research Foundation and the Environmental Protection Agency titled *Assessment of the Occurrence and Ecological Significance of Endocrine Disrupting Chemicals in Watersheds*. This project has focused on developing a battery of test methods for the occurrence of hormonal activity. These test methods include laboratory fish studies, flow-through fish studies, field studies, and development of the YES Assay, a gene expression assay for detecting the presence estrogen related compounds.

## ANALYTICAL EXPERIENCE

| | | |
|---|---|---|
| Toxicity Bioassays | Biological Culturing | Water analysis |
| Enzymatic assays | Wastewater analysis | Algal cultures |
| Algal Assays | Endocrine Assays | TIE/TRE |

## EDUCATION

University of Florida, Bachelor of Science-Zoology. 1989

## PUBLICATIONS

Poster titled "Comparison of Laboratory Generated Photographs and EPA Illustrations of *Mysidopsis bahia*." Presented at SETAC 1994

## j. Documentation which establishes the length of time in business in the State of Florida (at least 4 years required)

Pace has been operating labs in Florida since the early 2008 as Pace Analytical Service, Inc. and in October 1, 2016 had a name change to Pace Analytical Services, LLC.

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# State of Florida
## Department of State

I certify from the records of this office that PACE ANALYTICAL SERVICES, LLC is a Minnesota limited liability company authorized to transact business in the State of Florida, qualified on December 23, 2016.

The document number of this limited liability company is M16000010338.

I further certify that said limited liability company has paid all fees due this office through December 31, 2019, that its most recent annual report was filed on March 20, 2019, and that its status is active.

I further certify that said limited liability company has not filed a Certificate of Withdrawal.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Seventeenth day of January, 2020*




*Secretary of State*

**Tracking Number: 2689673760CU**

**To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.**

**https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication**

1800 Elm Street SE
Minneapolis, MN 55414
(612) 607-6400

October 18, 2016

This letter is to inform you that Pace Analytical Services, Inc. is now Pace Analytical Services, LLC. On October 1, 2016, Steve Vanderboom, CEO, brought in a new business partner. Our leadership structure, staff, strategy and approach to working with clients and vendors remains the same. We will continue to offer our clients the best analytical services in the industry.

Please note, Pace's Federal ID number remains the same: 41-1821617.

If you have any questions, please feel free to contact:

Mike Prasch, CFO - Michael.Prasch@pacelabs.com
Stacy McClintock, Controller – Stacy.McClintock@pacelabs.com

Thank you.

Michael Prasch, CFO
Pace Analytical Services, LLC

# State of Florida
## Department of State

I certify from the records of this office that PACE ANALYTICAL SERVICES, INC. is a Minnesota corporation authorized to transact business in the State of Florida, qualified on July 29, 2008.

The document number of this corporation is F08000003333.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 8, 2014, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Nineteenth day of June, 2014*

Ken Detzner

*Secretary of State*

**Authentication ID: CU2558940882**

**To authenticate this certificate,visit the following site,enter this ID, and then follow the instructions displayed.**

**https://efile.sunbiz.org/certauthver.html**

# 14-09588

CITY OF ORMOND BEACH
P.O. Box 277
Ormond Beach, FL 32175-0277
386-676-3233 or btonline@ormondbeach.org

Fee: $72.50
Valid 1/02/14 - 9/30/14

| Classification | Comments/Restrictions | Location / Phone |
|---|---|---|
| LABORATORIES -SCIENTIFIC &/OR INDUSTRI | | 8 E TOWER CIR<br>(386) 676-4802 |

PACE ANALYTICAL SERVICES, INC.
8 EAST TOWER CIRCLE
ORMOND BEACH FL 32174

**BUSINESS TAX RECEIPT**

Subject to Code of Ordinances Chapter 12 - This receipt must be posted conspicuously in your place of business. Penalty for failure to do so.

# 2013/ 2014

# Volusia County Business Tax Receipt

**Issued pursuant to F.S. 205 and Volusia County Code of Ordinances Chapter 114-1 by:**
**Volusia County Revenue Division - 123 W Indiana Ave, Room 103, DeLand, FL 32720 – 386-736-5938**

Volusia County
FLORIDA

**Receipt #** 199402080007 **Expires:** September 30, 2014
**Business Location:** 8 E TOWER CIR

**Business Name:** PACE ANALYTICAL SERVICES INC
**Owner Name:** PACE ANALYTICAL SERVICES INC
**Mailing Address:** 8 E TOWER CIR
ORMOND BEACH, FL 32174

| BUSINESS TYPE | CODE | COUNT | TAX |
|---|---|---|---|
| Business Service State Lic Req | 472 | 70 | $150.00 |
| Hazardous Waste Fee | 820 | | $36.00 |

- This receipt indicates payment of a tax, which is levied for the privilege of doing the type(s) of business listed above within Volusia County. This receipt is non-regulatory in nature and is not meant to be a certification of the holder's ability to perform the service for which he is registered. This receipt also does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.
- The business must meet all County and/or Municipality planning and zoning requirements or this Business Tax Receipt may be revoked and all taxes paid would be forfeited.
- The information contained on this Business Tax Receipt must be kept up to date. Contact the Volusia County Revenue Division for instructions on making changes to your account.

**THIS PORTION OF THE BUSINESS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**

# Volusia County Business Tax Receipt

**Revenue Division - 123 W Indiana Ave, Room 103, DeLand, FL 32720 – 386-736-5938**

**DATE PAID:** 07/31/2013
**PAYMENT RECEIPT #:** Lockbox-12-00098855

**TOTAL TAX:** 186.00
**PENALTY:** 0.00
**TOTAL PAID:** 186.00

**Business Name:** PACE ANALYTICAL SERVICES INC
**Owner Name:** PACE ANALYTICAL SERVICES INC
**Mailing Address:** 8 E TOWER CIR
ORMOND BEACH, FL 32174

**Receipt #** 199402080007 **Expires:** September 30, 2014
**Business Location:** 8 E TOWER CIR

**PLEASE DETACH THIS PORTION OF THE BUSINESS TAX RECEIPT FOR YOUR RECORDS**

## k. Laboratories with service contracts cancelled within the previous five years due to failure to provide accurate testing results are not eligible to bid.

Pace has not been removed from a contract due to failure to provide accurate testing results.

## Appendix A – City of Ormond Beach bid forms and additional information.

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# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223
Fax (386) 676-3374


# INVITATION TO BID

BIDDER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR BID***

BID TITLE: **LABORATORY TESTING SERVICES**

BID NUMBER: **2020-23**

BID OPENING DATE & TIME: **June 10, 2020 at 2:00 PM**

BID OPENING LOCATION: **1st Floor Training Room, Ormond Beach City Hall, 22 S. Beach Street, Ormond Beach, Florida**

PRE-BID MEETING DATE & TIME: **May 26, 2020 at 11:00 AM**

PRE-BID MEETING LOCATION: **Public Works Training Room, 501 Orchard Street, Ormond Beach, FL 32174**

**Bids Received After The Above Date And Time Will Not Be Accepted.**

BIDDER'S NAME: Pace Analytical Services, LLC

BIDDER'S MAILING ADDRESS: 8 East Tower Circle

CITY-STATE-ZIP: Ormond Beach, FL 32174

F.E.I.N.: 41-1821617

PHONE NUMBER: 386-672-5668

EMAIL: Garrett.Ervin@pacelabs.com

If returning as a "No Bid", please state reason (s): _____

I certify that this Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid for the same materials, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this Bid and certify that I am authorized to sign this Bid for the Bidder. In submitting a Bid to the City of Ormond Beach, the Bidder offers and agrees that if the Bid is accepted, the Bidder will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Bidder.

X Garrett Ervin
AUTHORIZED SIGNATURE (MANUAL)

Garrett Ervin
NAME (TYPED)

General Manager
TITLE

6/10/2020
DATED

# BID RESPONSE FORM

THIS BID IS SUBMITTED TO:
(Name and Address of Owner)

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174
Phone: (386) 676-3223

The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with the CITY in the form included in the Bid Documents to complete all Work as specified or indicated in the Bid Documents for the Contract Price and within the Contract Time indicated in this Bid and in full accordance with the Bid Documents.

BIDDER certifies that he has investigated the requirements to do business in the jurisdiction where the project is located, and that he is either qualified to do business or will obtain such prequalification prior to award of the contract.

BIDDER accepts all of the terms and conditions of the General Conditions. BIDDER will sign the Agreement (Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

BIDDER has examined copies of all the Bid Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| 6/2/2020 | 1 |
| 6/4/2020 | 2 |
| 6/9/2020 | 3 |

Receipt of all of which is hereby acknowledged.

BIDDER has examined the site and locality where the Work is to be performed, when applicable, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

## BID RESPONSE FORM
**(continued)**

This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS BID IS SUBMITTED BY:

COMPANY NAME: Pace Analytical Services, LLC

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 8 East Tower Circle

Ormond Beach, FL 32174

PHONE NO.: 386-672-5668 EMAIL: Garrett.Ervin@pacelabs.com

SUBMITTER'S NAME: Garrett Ervin
(Typed or Printed in Ink)

TITLE: General Manager

**AUTHORIZED SIGNATURE**: I, Garrett Ervin hereby
(Original Signature)
declare that I have read and fully understand the Invitation to Bid, including the General Conditions, Specifications and Drawings (when applicable) and that I am duly authorized to sign and submit this bid.

The CITY reserves the right to reject any and all bids, to waive informalities, and to accept any bid or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

# City of Ormond Beach

## LABORATORY TESTING SERVICES 2020
## Bid No. 2020-23

The BIDDER will fill in the MDL listed on the bid sheets and complete the Work, as described herein, for the following price(s):

### Reuse Effluent Analysis

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| Primary & Secondary Drinking Water Standards, including: 504.1,508.1 | Various | WW | 3 | $ 976.50 | $2,929.50 |
| 515.3, 524.2,Hg,As,Ba,Cd,Cr,Cu, | SEE PERMIT | | | | |
| Fe, Mn,Ag,Na,Zn,An,Pb,Se,Cl,F,NO3, | | | | | |
| SO4,MBAS,pH,TDS,Radium | | | | | |
| 226/228,Gross Alpha | | | | | |
| | | | | | |
| **Effluent Analysis Subtotal** | | | | $ 2,929.50 | |

### Industrial Pre Treatment

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn, Oil & Grease (hexane method) | 200.7 | WW | | 5 | $ 70.00 | $ 350.00 |
| Cyanide | 335.3 | WW | 0.005 mg/L | 5 | $ 18.00 | $ 90.00 |
| Mercury | 1631E | WW | 0.25 ng/L | 5 | $ 55.00 | $ 275.00 |
| TSS | 160.1 | WW | 1 mg/L | 5 | $ 7.00 | $ 35.00 |
| BOD | 405.1 | WW | 2 mg/L | 5 | $ 13.00 | $ 65.00 |
| TTO (including:624,625,608) | Various | WW | | 5 | $ 205.00 | $ 1,025.00 |
| | | | | | | |
| **Pre Treatment Subtotal** | | | | | $ 1,840.00 | |

## Wastewater

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Priority Pollutants for Effluent | Various | WW | | 2 | $ 337.00 | $ 674.00 |
| and Influent (including: 608, | SEE PERMIT | | | | | |
| 624,625,Cyanide,phenolics, | | | | | | |
| Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, | | | | | | |
| Se,Ag,Tl,Zn, Oil & Grease | | | | | | |
| 503 Sludge | Various | WW | | 4 | $ 91.00 | $ 364.00 |
| Cryptosporidium and Giardia | 1623 | WW | *see bottom of page | 1 | $ 700.00 | $ 700.00 |
| Acute Bioassay | EPA 821-R-02-012 (FW acute) (2000.0) | WW | N/A | 2 | $ 2,800.00 | $ 5,600.00 |
| Low Level Mercury | 1631E | WW | 0.25 ng/L | 2 | $ 55.00 | $ 110.00 |
| Sampling Disposal Fee for Mercury | | WW | | 2 | $ 5.00 | $ 10.00 |
| Nickel | 200.8 | WW | 0.62 ug/L | 12 | $ 4.50 | $ 54.00 |
| Copper | 200.8 | WW | 0.93 ug/L | 12 | $ 4.50 | $ 54.00 |
| Dichlorobromomethane | 524.2 | WW | 0.25 ug/L | 12 | $ 25.00 | $ 300.00 |
| Zinc | 200.8 | WW | 4.29 ug/L | 12 | $ 4.50 | $ 54.00 |
| Sodium | 200.7 | WW | 273 ug/L | 52 | $ 3.50 | $ 182.00 |
| Magnesium | 200.7 | WW | 84 ug/L | 52 | $ 3.50 | $ 182.00 |
| Calcium | 200.7 | WW | 64.1 ug/L | 52 | $ 3.50 | $ 182.00 |
| Chloride | 300.0 | WW | 2.5 mg/L | 52 | $ 6.00 | $ 312.00 |
| TDS | 2540C | WW | 5 mg/L | 52 | $ 8.00 | $ 416.00 |
| Fluoride | 300.0 | WW | 0.0146 mg/L | 52 | $ 6.00 | $ 312.00 |
| CBOD | SM5210B | WW | 2 mg/L | 540 | $ 13.00 | $ 7,020.00 |
| TSS | 2540D | WW | 1 mg/L | 644 | $ 7.00 | $ 4,508.00 |
| TKN | 351.2 | WW | 0.086 mg/L | 540 | $ 12.00 | $ 6,480.00 |
| NOX | 353.2 | WW | 0.033 mg/L | 260 | $ 6.00 | $ 1,560.00 |
| TP | 365.4 | WW | 0.05 mg/L | 520 | $ 9.00 | $ 4,680.00 |
| Enterococci | Enterolert/ Quant-tray | WW | 1 MPN/100ml | 260 | $ 8.00 | $ 2,080.00 |
| Fecal Coliform | SM9222D | WW | 1 CFU/100ml | 365 | $ 8.00 | $ 2,920.00 |
| Fecal Coliform Additional Costs for Weekend Work | | WW | 1 CFU/100ml | 104 | $ 16.00 | $1,664.00 |
| | | | | | | |
| **Wastewater Subtotal** | | | | | $ 40,418.00 | |

* = 1 microorganism/unit weight or volume analyzed

## Biosolids

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| 503.13 Sludge Rule (including: | Various | sludge | 4 | $ 82.00 | $ 328.00 |
| Hg,As,Cd,Cr,Cu,Pb,Mo,Ni,K,Se, | | | | | |
| Zn,pH,Total Nitrogen and | | | | | |
| Phosphorus) | | | | | |
| | | | | | |
| **Biosolids Subtotal** | | | | $ 328.00 | |

## Groundwater Monitoring

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Sodium | 6010 | GW | 272.7 ug/L | 28 | $ 3.50 | $ 98.00 |
| TDS | 160.1 | GW | 5 mg/L | 28 | $ 8.00 | $ 224.00 |
| Fecal | SM9222D | GW | 1 CFU/100ml | 28 | $ 8.00 | $ 224.00 |
| Turbidity | 180.1 | GW | 0.2 NTU | 28 | $ 5.00 | $ 140.00 |
| pH | 150.1 | GW | 0.1 SU | 28 | $ 4.00 | $ 112.00 |
| Cl | 300.0 | GW | 2.5 mg/L | 28 | $ 6.00 | $ 168.00 |
| Nitrates | 300.0 | GW | 0.025 mg/L | 28 | $ 6.00 | $ 168.00 |
| SO4 | 300.0 | GW | 2.5 mg/L | 28 | $ 6.00 | $ 168.00 |
| TTHM | 524.2 | GW | 0.32 ug/L | 28 | $ 25.00 | $ 700.00 |
| Bis (2-ethylhexyl) phthalate | 525 | GW | 0.5 ug/L | 28 | $ 95.00 | $ 2,660.00 |
| | | | | | | |
| **Groundwater Subtotal** | | | | | $ 4,662.00 | |

## Water

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Fluoride | 300.0 | W | 0.0146 mg/L | 12 | $ 6.00 | $ 72.00 |
| HAA5 | 552.1 | W | 0.9 ug/L | 4 | $ 45.00 | $ 180.00 |
| Lead and Copper | 200.8 | W | 0.22/0.93 ug/L | 37 | $ 9.00 | $ 333.00 |
| Nitrate/Nitrite | 300.0 | W | 0.033 mg/L | 1 | $ 6.00 | $ 6.00 |
| Nitrite | 300.0 | W | 0.025 mg/L | 1 | $ 6.00 | $ 6.00 |
| Ortho-phosphorous | 300.0 | W | 0.0038 mg/L | 12 | $ 6.00 | $ 72.00 |
| pH | 150.1 | W | 0.1 SU | 2 | $ 4.00 | $ 8.00 |
| Total Coliforms | SM9223B or SM9222B | W | 1 CFU/100ml | 900 | $ 8.00 | $ 7,200.00 |
| Total Cyanide | 335.3/9012 | W | 0.005 mg/L | 1 | $ 18.00 | $ 18.00 |
| Total Organic Carbon | SM5310B | W | 0.5 mg/L | 50 | $ 13.00 | $ 650.00 |
| Thallium | 200.9 | W | 0.292 ug/L | 1 | $ 30.00 | $ 30.00 |
| TTHM | 524.2 | W | 0.32 ug/L | 6 | $ 25.00 | $ 150.00 |
| Gross Alpha | 900.0 | W | 3 pCi/L | 1 | $ 30.00 | $ 30.00 |
| Radium 226 | 903.1 | W | 1 pCi/L | 1 | $ 55.00 | $ 55.00 |
| Radium 228 | 903.1 | W | 1 pCi/L | 1 | $ 55.00 | $ 55.00 |
| Endothall | 548.1 | W | 3.33 ug/L | 1 | $ 55.00 | $ 55.00 |
| Glyphosate | 547 | W | 4.23 Ug/L | 1 | $ 45.00 | $ 45.00 |
| Dioxin | 1613 | W | 2.25 pg/L | 1 | $ 195.00 | $ 195.00 |
| **Analyte Groups / Calculations** | | | | | | |
| Primary Inorganics | various | W | | 1 | $ 91.50 | $ 91.50 |
| Secondary Inorganics | various | W | | 1 | $ 92.00 | $ 92.00 |
| Regulated SOCs | various | W | | 1 | $ 628.00 | $ 628.00 |
| Regulated VOCs | various | W | | 1 | $ 45.00 | $ 45.00 |
| Mercury | 7471 | W | 0.004 mg/kg | 1 | $ 12.00 | $ 12.00 |
| Dissolved Oxygen | 360.1 | W | 1 mg/L | 1 | $ 6.00 | $ 6.00 |
| | | | | | | |
| **Water Subtotal** | | | | | $ 10,034.50 | |

## Consumptive Use Permit Samples

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Calcium | 200.7 | W | 64.1 ug/L | 16 | $ 3.50 | $ 56.00 |
| Magnesium | 200.7 | W | 84 ug/L | 16 | $ 3.50 | $ 56.00 |
| Sodium | 200.7 | W | 272 ug/L | 16 | $ 3.50 | $ 56.00 |
| Potassium | 200.7 | W | 150 ug/L | 16 | $ 3.50 | $ 56.00 |
| Iron | 200.7 | W | 9.2 ug/L | 16 | $ 3.50 | $ 56.00 |
| Chlorides | 300.0 | W | 2.5 mg/L | 61 | $ 6.00 | $ 366.00 |
| Sulfate | 300.0 | W | 2.5 mg/L | 16 | $ 6.00 | $ 96.00 |
| Total Dissolved Solids | 160.1 | W | 5 mg/L | 16 | $ 8.00 | $ 128.00 |
| Conductivity | 120.1 | W | 2 umhos/cm | 16 | $ 5.00 | $ 80.00 |
| Alkalinity Bicarbonate | SM2320 | W | 5 mg/L | 16 | $ 8.00 | $ 128.00 |
| Alkalinity Carbonate | SM2320 | W | 5 mg/L | 16 | $ 8.00 | $ 128.00 |
| | | | | | | |
| **CUP Water Subtotal** | | | | | $ 1,206.00 | |

Occasionally it may be necessary to receive sample results before the normal turn around time. Insert the proposed rush charges in the following matrix as a percentage surcharge over the normal contract price.

| Turnaround Time | RUSH SURCHARGES |
|---|---|
| **6-7 Working Days** | 25 % markup |
| **5 Working Days** | 37.5 % markup |
| **4 Working Days** | 50 % markup |
| **3 Working Days** | 75 % markup |
| **1-2 Working Days** | 100 % markup |

The bid basis for the contract award is the sum of the individual parameters.

**TOTAL BID FOR CONTRACT** **$** 61,418.00

(Figures)

Sixty-One Thousand Four-Hundred Eighteen Dollars and 00/100

(Words)

## SUBCONTRACTORS LIST

If any Subcontractors are proposed to be used for any portions of the Work, the names, addresses, phone numbers and work classifications of each such Subcontractor must be listed. The failure to list all Subcontractors proposed for the work will result in the Bid being rejected as incomplete and nonresponsive. If more than one subcontractor is listed, selection will be made by the OWNER.

Subcontractors:

Work Classification: Laboratory Services - Giardia/Cryptosporidium

Name: Analytical Services, Inc.

Address: 130 Allen Brook Lane, Williston, VT 05494

Phone Number: 802-876-1339 Fax Number: _____

Work Classification: Laboratory Services - Bioassay

Name: Hydrosphere Research

Address: 11842 research Circle, Alachua, FL 32615

Phone Number: 386-462-7889 Fax Number: _____

Work Classification: Laboratory Services - 200.9 Thallium

Name: Benchmark EA

Address: 1711 12th Street East, Palmetto, FL 34221

Phone Number: 941-723-9986 Fax Number: _____

# City of Ormond Beach

## LABORATORY TESTING SERVICES 2020
## Bid No. 2020-23

### CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
### LITIGATION STATEMENT

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

[X] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Pace Analytical Services, LLC
COMPANY NAME

Garrett Ervin
AUTHORIZED SIGNATURE

Garrett Ervin
NAME (PRINT OR TYPE)

General Manager
TITLE

# CITY OF ORMOND BEACH
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" BID**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more Bids which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a Bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie Bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

Give each employee that engages in providing the commodities or contractual services that are under proposal a copy of the statement specified in subsection (1).

In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under proposal, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) calendar days after such conviction.

Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Pace Analytical Services, LLC
COMPANY NAME

Garrett Ervin
AUTHORIZED SIGNATURE

Garrett Ervin
NAME (PRINT OR TYPE)

## LOCAL VENDOR PREFERENCE

The following is taken from the Code of Ordinances, City of Ormond Beach, Chapter 2, Financial Matters, Division 3, Purchasing, Article IX, Section 2-304:

Except where otherwise provided by federal or state law or other funding source restrictions, purchases of goods and services under the Purchasing Code shall give preference to local businesses as follows:

(a) Under a competitive bid solicitation, the City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded.

(b) A *local business* shall mean a vendor that has a valid occupational license issued by the City of Ormond Beach at least one year prior to bid opening, with a physical business address located within the municipal boundaries of the City of Ormond Beach from which the vendor operates or performs business on a day-to-day basis that is a substantial component of the goods or services being offered and has provided a Local Vendor Affidavit of Eligibility at the time the bid is submitted.

(c) A *Local Vendor Affidavit of Eligibility* shall accompany the bid submittal to be considered valid and shall include, but not be limited to, the following information:

(1) A physical business and location address;
(2) A copy of current City of Ormond Beach Local Business Tax Receipt (occupational license) to verify the business location;
(3) Proof of payment of business tax and real property tax due to the City of Ormond Beach;
(4) A copy of the firm's most recent annual corporation report to the Florida Division of Corporations;
(5) Any additional information necessary to verify local status.

(d) *Exemptions:* Goods or services provided under a cooperative purchasing agreement, contracts for professional services subject to Consultants' Competitive Negotiation Act, purchases or contracts funded in whole or part by a governmental entity that does not allow local preferences, purchases made under another agency's agreements or contracts (piggybacking), purchases under emergency or sole source situations and procurements subject to formal proposals including but not limited to request for proposals (RFP) or continuing contract, and request for quotes (RFQ) versus straight competitive bids.

(e) This section shall not be deemed to require the granting of a local preference, and nothing herein prohibits the award of a contract to a non-local vendor where such award is in the public interest.

## Local Vendor Affidavit of Eligibility

I certify that my company meets all of the following qualifications to be eligible for the local vendor preference:

a. My company has a physical business address located within the municipal boundaries of the City of Ormond Beach which is used to perform business on a day-to-day basis.
b. My company holds any business (occupational) or contractor license required by the City of Ormond Beach at least one year prior to bid opening.
c. Payment of business tax and real property tax due to the City of Ormond Beach is current
d. My company is in compliance with annual reporting to the Florida Division of Corporations

Company Name: Pace Analytical Services, LLC

Address: 8 East Tower Circle, Ormond Beach, FL 32174

Business or Contractor License Number: 20-28125

Phone Number: 386-672-5668 Fax Number: 386-672-5828

Owner's Name: Garrett Ervin Signature: Garrett Ervin

Sworn to before me this 10th day of June

Notary Public for the State of FL My Commission Expires 5/23/23

Notary Public Signature: Kendra N. Price Printed Name: Kendra N. Price

**To be approved as a local bidder and receive bid preference on an eligible local project, this affidavit of eligibility, a copy of your local business or contractor license, copy of business tax/real property tax and a copy of the firm's most recent annual corporation report must be submitted with your bonafide BID package. Bid preference is provided at the City's sole discretion.**

**VENDOR DO NOT COMPLETE BELOW**

To be verified and completed by an authorized representative of the City of Ormond Beach's Purchasing Department:

Vendor Certified by:_____ Date: _____



Kendra N. Price
Comm. # GG338253
Expires: May 23, 2023
Bonded Thru Aaron Notar

**Attention commercial locations, the following certification applies to all new and renewed business tax receipts:**

I certify under oath with a penalty of perjury, that all of the information contained herein is true and correct. If any portion is found to be false or misrepresented, such fact may be just cause for immediate revocation of any business tax receipt/registration issued to me and may subject me to prosecution. I acknowledge that the issuance of this business tax receipt is contingent upon complying with the building and fire prevention requirements of the City. I consent to inspection of the property by the City at any time between 9:00 a.m. and 5:00 p.m. Inspections will be performed, and should deficiencies be found that are in conflict with the City code, I understand that the City will not issue the business tax receipt until I (or the owner of the building, if leased) make the required corrections. I understand that should corrections be necessary, I am not permitted to operate this business until those corrections have been made. It is further understood that I must comply with the code of the City of Ormond Beach and failure to correct conditions which are in violation is punished under the code or sufficient cause for revocation of my business tax receipt/registration. I understand that if I engage in a business under a fictitious name, I must comply with the fictitious name statute.

# 20-28125

**CITY OF ORMOND BEACH**
P.O. Box 277
Ormond Beach, FL 32175-0277
386-676-3233 or btonline@ormondbeach.org

Fee: $72.5(
Valid 9/30/19 - 9/30/2(

| Classification | Comments/Restrictions | Location / Phone |
|---|---|---|
| **LABORATORIES -SCIENTIFIC &/OR INDUSTRI** | | **8 E TOWER CIR**<br>**(386) 676-4802** |

PACE ANALYTICAL SERVICES, LLC
8 EAST TOWER CIRCLE
ORMOND BEACH FL 32174

**BUSINESS TAX RECEIPT**

Subject to Code of Ordinances Chapter 12 - This receipt must be posted conspicuously in your place of business. Penalty for failure to do so.

**2020 FOREIGN LIMITED LIABILITY COMPANY ANNUAL REPORT**

**FILED**
**Mar 20, 2020**
**Secretary of State**
**1622206463CC**

DOCUMENT# M16000010338

**Entity Name:** PACE ANALYTICAL SERVICES, LLC

**Current Principal Place of Business:**

1800 ELM STREET SE
MINNEAPOLIS, MN 55414-2500

**Current Mailing Address:**

1800 ELM STREET SE
MINNEAPOLIS, MN 55414 US

**FEI Number: 41-1821617**

**Certificate of Status Desired:** No

**Name and Address of Current Registered Agent:**

C T CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324 US

*The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.*

SIGNATURE:

Electronic Signature of Registered Agent — Date

**Authorized Person(s) Detail :**

| | |
|---|---|
| Title | MEMBER |
| Name | PAS PARENT, INC. |
| Address | 10877 WILSHIRE BLVD, SUITE 2100 |
| City-State-Zip: | LOS ANGELES CA 90024 |

*I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.*

SIGNATURE: PAS PARENT, INC. MEMBER 03/20/2020

Electronic Signature of Signing Authorized Person(s) Detail — Date

# 2019/ 2020

# Volusia County Business Tax Receipt

Issued pursuant to F.S. 205 and Volusia County Code of Ordinances Chapter 114-1 by:
Volusia County Revenue Division - 123 W Indiana Ave, Room 103, DeLand, FL 32720 – (386) 736-5938

Volusia County
FLORIDA

Account # 199402080007 Expires: September 30, 2020
Business Location: 8 E TOWER CIR

Business Name: PACE ANALYTICAL SERVICES INC
Owner Name: PACE ANALYTICAL SERVICES INC
Mailing Address: 8 E TOWER CIR
ORMOND BEACH, FL 32174

| BUSINESS TYPE | REQ DOC # | CODE | COUNT | TAX |
|---|---|---|---|---|
| Business Service State Lic Req | E83079 | 472 | 70 | $150.00 |
| Hazardous Waste Fee | | 820 | | $39.00 |

- This receipt indicates payment of a tax, which is levied for the privilege of doing the type(s) of business listed above within Volusia County. This receipt is non-regulatory in nature and is not meant to be a certification of the holder's ability to perform the service for which he is registered. This receipt also does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.
- The business must meet all County and/or Municipality planning and zoning requirements or this Business Tax Receipt may be revoked and all taxes paid would be forfeited.
- The information contained on this Business Tax Receipt must be kept up to date. Contact the Volusia County Revenue Division for instructions on making changes to your account.

**THIS PORTION OF THE BUSINESS TAX RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**

# Volusia County Business Tax Receipt

Revenue Division - 123 W Indiana Ave, Room 103, DeLand, FL 32720 – (386) 736-5938

| | |
|---|---|
| DATE PAID: | 09/27/2019 |
| RECEIPT #: | BT 1-18-0007591 |
| TOTAL TAX: | 189.00 |
| PENALTY: | 0.00 |
| TOTAL PAID: | 189.00 |

*199402080007*

Business Name: PACE ANALYTICAL SERVICES INC
Owner Name: PACE ANALYTICAL SERVICES INC
Mailing Address: 8 E TOWER CIR
ORMOND BEACH, FL 32174

Account # 199402080007 Expires: September 30, 2020
Business Location: 8 E TOWER CIR

PLEASE DETACH THIS PORTION OF THE BUSINESS TAX RECEIPT FOR YOUR RECORDS

*Pace Analytical Services, LLC*

14506 COUNTY OF VOLUSIA 1125829809

Check Number: **0405227**

Date: 12/27/2019

| Invoice Number | Date | Voucher Number | Description | Amount | Discount | Paid Amount |
|---|---|---|---|---|---|---|
| 421802000610DEC19 | 12/24/2019 | VCH00000001001606 | ORMOND BCH REAL ESTAT | $24,827.30 | $0.00 | $24,827.30 |
| TOTALS: | | | | $24,827.30 | $0.00 | $24,827.30 |

*Pace Analytical Services, LLC*

14506 COUNTY OF VOLUSIA 1125829809

Check Number: **0405227**

Date: 12/27/2019

| Invoice Number | Date | Voucher Number | Description | Amount | Discount | Paid Amount |
|---|---|---|---|---|---|---|
| 421802000610DEC19 | 12/24/2019 | VCH00000001001606 | ORMOND BCH REAL ESTAT | $24,827.30 | $0.00 | $24,827.30 |
| TOTALS: | | | | $24,827.30 | $0.00 | $24,827.30 |

TAC(TM) smcclintock CDD 16E66-E697F6-FB02-C 12/27/2019

*Pace Analytical Services, LLC*
*Accounts Payable*
*1800 Elm St SE*
*Minneapolis, MN 55414*

Check Number: **0405227**

JPMorgan Chase Bank, N.A.
Milwaukee, WI
Milwaukee, WI

12-1/750

| DATE | AMOUNT |
|---|---|
| Dec 27, 2019 | $24,827.30 |

Pay Twenty Four Thousand Eight Hundred Twenty Seven Dollars and 30 Cents

To The Order Of:

COUNTY OF VOLUSIA
REVENUE DIVISION
123 W. INDIANA AVE., RM 103
DELAND, FL 32720-4602

# VOLUSIA COUNTY
## NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS
## REAL ESTATE ANNUAL TAX BILL

Volusia County
FLORIDA

**PROPERTY ADDRESS:** 8 E TOWER CIR
ORMOND BEACH 32174

**LEGAL DESCRIPTION:** LOT 61 & W 155.29 FT OF LOT 62 A IRPORT BUSINESS PARK PHASE I I MB 43 PGS 29-30 INC PER OR 390 2 PG 4147 PER OR 5499 PG 141 9 PER OR 6276 PGS 2039-2042 INC PER OR 6276 PGS 2043-2045 IN
See Additional Legal on Tax Roll

| | |
|---|---|
| PARCEL: | 421802000610 |
| ALTERNATE KEY: | 5142108 |
| MILLAGE CODE: | 201 |
| TAX YEAR: | 2019 |

Pay Online

PACE ANALYTICAL SERVICES LLC
1800 ELM ST SE
MINNEAPOLIS, MN 55414

21030-00-100
Ormond Beach Real Estate Tax

**Pay online at volusia.county-taxes.com**

**WALK-IN CUSTOMERS PLEASE BRING ENTIRE NOTICE**

**TAXES BECOME DELINQUENT APRIL 1**

| IF POSTMARKED BY: | Nov 30, 2019 | Dec 31, 2019 | Jan 31, 2020 | Feb 29, 2020 | Mar 31, 2020 |
|---|---|---|---|---|---|
| DISCOUNT: | 4% | 3% | 2% | 1% | 0% |
| PAY THIS AMOUNT: | 24,571.34 | 24,827.30 | 25,083.25 | 25,339.20 | 25,595.15 |

PLEASE RETAIN TOP PORTION FOR YOUR RECORDS

### AD VALOREM TAXES

| TAXING AUTHORITY | MILLAGE | ASSESSED VALUE | EXEMPTION | TAXABLE VALUE | TAX AMOUNT |
|---|---|---|---|---|---|
| COUNTY | 6.14200 | 1,441,825 | 0 | 1,441,825 | 8,855.69 |
| VOLUSIA FOREVER | 0.11220 | 1,441,825 | 0 | 1,441,825 | 161.77 |
| VOLUSIA ECHO | 0.20000 | 1,441,825 | 0 | 1,441,825 | 288.37 |
| VOLUSIA FOREVER I&S 2005 | 0.08780 | 1,441,825 | 0 | 1,441,825 | 126.59 |
| VOLUSIA COUNTY MOSQUITO CONTRO | 0.18800 | 1,441,825 | 0 | 1,441,825 | 271.06 |
| PONCE INLET PORT AUTHORITY | 0.09290 | 1,441,825 | 0 | 1,441,825 | 133.95 |
| SCHOOL | 6.08100 | 1,441,825 | 0 | 1,441,825 | 8,767.75 |
| ORMOND BEACH I&S 2002 | 0.00000 | 1,441,825 | 0 | 1,441,825 | 0.00 |
| ORMOND BEACH | 4.08700 | 1,441,825 | 0 | 1,441,825 | 5,892.74 |
| ORMOND BEACH I&S 2003 | 0.03300 | 1,441,825 | 0 | 1,441,825 | 47.58 |
| ORMOND BEACH I&S 2010 | 0.10000 | 1,441,825 | 0 | 1,441,825 | 144.18 |
| ST JOHNS WATER MANAGEMENT DIST | 0.24140 | 1,441,825 | 0 | 1,441,825 | 348.06 |
| FLORIDA INLAND NAVIGATION DIST | 0.03200 | 1,441,825 | 0 | 1,441,825 | 46.14 |
| HALIFAX HOSPITAL AUTHORITY | 0.35460 | 1,441,825 | 0 | 1,441,825 | 511.27 |

**TOTAL MILLAGE RATE:** 17.75190 **TOTAL TAXES:** $25,595.15

### NON-AD VALOREM ASSESSMENTS

| LEVYING AUTHORITY | TELEPHONE | RATE PER UNIT | AMOUNT |
|---|---|---|---|

**TOTAL ASSESSMENTS:** $0.00

**TOTAL COMBINED TAXES AND ASSESSMENTS:** $25,595.15

For additional information please see reverse side.

**Pay online at volusia.county-taxes.com**

Phone: 386-736-5938
Email: Revenue@volusia.org

**RETURN WITH PAYMENT**

## VOLUSIA COUNTY
## REAL ESTATE ANNUAL TAX BILL

Make payment to:
COUNTY OF VOLUSIA
Mail payment to:
County of Volusia-Revenue Division
123 W Indiana Ave Room 103
DeLand FL 32720

**PAY IN U.S. DOLLARS DRAWN ON A U.S. BANK**

NOTE: In order to avoid a rejected payment, please verify that the legal written line of your check matches the exact amount due based on the "IF POSTMARKED BY" date.

| | |
|---|---|
| PARCEL: | 421802000610 |
| ALTERNATE KEY: | 5142108 |
| TAX YEAR: | 2019 |

**PROPERTY ADDRESS:** 8 E TOWER CIR
ORMOND BEACH 32174

PACE ANALYTICAL SERVICES LLC
1800 ELM ST SE
MINNEAPOLIS, MN 55414

Please do not staple, tape, or paperclip your payment to this stub.

**TAXES BECOME DELINQUENT APRIL 1**

| IF POSTMARKED BY: | Nov 30, 2019 | Dec 31, 2019 | Jan 31, 2020 | Feb 29, 2020 | Mar 31, 2020 |
|---|---|---|---|---|---|
| DISCOUNT: | 4% | 3% | 2% | 1% | 0% |
| PAY THIS AMOUNT: | 24,571.34 | 24,827.30 | 25,083.25 | 25,339.20 | 25,595.15 |

PLEASE DO NOT WRITE ON THIS STUB

ADDENDEM NO. 1

June 2, 2020

**TO:** Prospective Bidders and Others Concerned.

**SUBJECT:** Addendum # 1 **BID 2020-23 LABORATORY TESTING SERVICES**

**NOTE:** This addendum consists of the following documents. It is the Contractor's responsibility to ensure that all documents have been downloaded and reviewed prior to submitting bids on the work.

**TO ALL BIDDERS**: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**The Project Manual shall be amended as follows:**

**Item 1:** Please delete "Pages 9 through 12 of 33" from the "Invitation to Bid" and replace it with "Pages 9R through 12R of 33."

**Item 2:** Please delete "Pages 15 through 19 of 33" from the "Invitation to Bid" and replace it with "Pages 15R through 19R of 33."

**Item 3:** A copy of the Florida Department of Environmental Protection Wastewater Treatment Plant Operating Permit, signed on May 8, 2020, is provided with this addendum.

**Item 4:** A copy of the Bid Form submitted by Pace Analytical for Bid No. 2015-34 is provided with this addendum. This unit price contract served as the basis of award with the current vendor.

**Item 5:** The following additional information is being provided in response to inquiries received.

**Question 1**: In section Reuse Effluent Analysis, are we supposed to only price out the methods and tests you list or does this include the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods? Does this require Asbestos and Dioxin?
**Answer 1**: The bid includes the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 2:** In section Wastewater, are you looking for the full Primary and Secondary Drinking Water Standards? Does this include Asbestos and Dioxin?
**Answer 2:** The reference to Primary and Secondary Drinking Water Standards has been removed from this section of the Itemized Bid sheet. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 3:** In section Water, Primary Organics, does this include Asbestos?
Who is the most recent provider of these services to the City and what is currently being paid?
**Answer 3:** No, Asbestos is not included. The current provider of Laboratory Services is Pace Analytical. A copy of their original bid submittal is provided as an attachment to this addendum.

**Question 4:** In section Water, Regulated SOCs, does this include Dioxin?
**Answer 4:** No, Dioxin is not included.

**Question 5:** For the Subcontractors, the bid states the following: Subcontract labs, if any, shall be required to submit information in items "a - c" and "e - g." These sections include a lot of information from the subcontractors. For the Quality Manual of the sublabs, can we submit their cover page only with all signatures?
**Answer 5:** Subcontractor Labs must provide the information in items "a-c" and "e-g." A submission of a cover page with signatures will not comply with the requirements.

**Question 6:** Item #2. Bid Requirements states the following: "b. A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall be shall be firm for the duration of the contract." Are we to submit, in addition to the bid document pricing, our standard pricelist? Can we submit the additional pricelist and another document with our MDLs for all parameters we are certified for? We do not have a document that list all analytes, individual prices for each analyte and the MDLs all on one page.
**Answer 6:** Bidders are not asked nor required to submit a separate standard pricelist. However, as additional supplemental information, bidders may, if they so choose, submit an additional price list and any other documents deemed appropriate to accompany the company's MDLs for any and all parameters for which the company is certified.

**Question 7:** Are we required to submit a Performance Bond (Bid Bond) for the City of Ormond Beach BID No. 2020-23; LABORATORY TESTING SERVICES ITB? Is there a percentage amount to be submitted for this ITB?
**Answer 7:** No Bid Bond shall be required with this Bid. No Performance Bond shall be required with this Bid.

**Question 8**: Could you tell us who the current incumbent is and what is the current contract pricing?
**Answer 8**: Pace Analytical is the current Lab Services provider. A copy of their Unit Price Submittal from the original bid award is included.

**Question 9:** With Weekend work being a potential can the city add a few line items to the pricing sheet? Line items for weekend Fecal coliform, weekend courier and a line for any other weekend parameter with a percentage mark up for weekend work.
**Answer 9:** Minimum laboratory requirements have been revised to state "The contract lab shall be available a minimum of 7 days per week." The bid form shall not be revised to accommodate the request.

**Question 10:** Can the city confirm a subcontractor is one that is outside the bidding company and not another location for the same company?
**Answer 10:** Please consider this response as an affirmative confirmation that a secondary office of the contractor is not regarded as a subcontractor.

**Question 11:** In the insurance section page 28 of 33 section 4 Service Bond. Could this provision be removed, or could the language be changed to allow for a letter of credit or other type of assurance instead?
**Answer 11:** No, the City is unwilling to remove this provision from these bid documents. However, for clarification, please be advised that the contract does not require a bid bond and does not require a performance bond. (Refer to Question 7)

**Question 12:** Can the requirement for providing claim information be removed from the insurance section?
**Answer 12:** No, the City standard requirement for providing claim information shall not be altered with these bid documents.

**Question 13:** Would it be possible to remove the requirement in the insurance section D3 on page 32 of 33 stating that "If requested by the City, the contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements"?
**Answer 13:** No, the referenced clause in the City standard documents will not be changed at this time. Specifically, the requirement to furnish complete copies of the Contractor's insurance policies, forms and endorsements, if requested, remains in effect.

**Question 14:** In the draft agreement page #5 b. This Agreement may not be terminated by the contractor.: Would the City please remove this provision in favor of both parties being able to terminate for default, etc.?
**Answer 14:** The Bid Documents will not be changed at this time. However, please note that under the Section entitled Contract Duration, either party may provide a written notice of non-renewal ninety calendar days prior to the Contract expiration date.

**Question 15:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: Are the parameters for the Primary & Secondary Drinking Water Standard methods listed in the bid sheet table the only methods and parameters required, or it is the full primary and secondary?
**Answer 15:** The bid includes the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods as required by the permit. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 16:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: If the full primary and secondary is needed are Asbestos and Dioxin required for this section?
**Answer 16:** The bid includes the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 17:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: Can the city please list the tables needed for this section?

**Answer 17:** A copy of the latest operating permit is provided with this addendum.

**Question 18:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: Are color and odor needed for this section?
**Answer 18:** A copy of the latest operating permit is provided with this addendum.

**Question 19:** Page 15 of 33 Industrial Pre-Treatment section: The TTO only includes the 624, 625 and 608 is that correct?
**Answer 19:** 624, 625 & 608 are inclusive but not exclusive of other relevant applicable methods. Please refer to the Treatment Plant Operating Permit provided with this addendum.

**Question 20:** Page 16 Wastewater section: Primary and Secondary. Are tables 1-6 of 62-550 the only required tables and are asbestos and dioxin required?
**Answer 20:** Asbestos and Dioxin are not included and are not part of our current permit. A copy of the latest operating permit is provided with this addendum, and shall be referenced by prospective bidders.

**Question 21:** Page 16 Wastewater section: Primary and Secondary. Can the city please list the tables required minus any parameters that are not needed?
**Answer 21:** Please refer to the Treatment Plant Operating Permit provided with this addendum.

**Question 22:** Page 18 Water Section: Analytical Groups /Calculation Primary Inorganics: does this include asbestos?
**Answer 22:** Asbestos is not included.

**Question 23:** Page 18 Water Section: Analytical Groups /Calculation Regulated SOCs: does this include dioxin?
**Answer 23:** Dioxin is not included.

Question 24: Page 18 for Thallium: Can 200.8 be used?
**Answer 22:** For bidding purposes, please use the method specified.

**In all other respects, except as specifically stated herein, the subject BID 2020-23 Laboratory Testing Services remains unchanged.**

**THIS ADDEDNDUM MUST BE ACKNOWLEDGED AND RETURNED WITH YOUR BID**

**COMPANY NAME:** Pace Analytical Services

**SIGNATURE:** _____ **DATE:** 6/2/20

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

The foregoing changes are hereby incorporated into the Bidding Contract Documents for CITY OF ORMOND BEACH– BID 2020-23 LABORATORY TESTING SERVICES, for the City of Ormond Beach.

City of Ormond Beach, Florida

**END OF ADDENDUM NO. 1**

ADDENDEM NO. 2

June 4, 2020

**TO:** Prospective Bidders and Others Concerned.

**SUBJECT:** Addendum # 2 **BID 2020-23 LABORATORY TESTING SERVICES**

**NOTE:** This addendum consists of the following documents. It is the Contractor's responsibility to ensure that all documents have been downloaded and reviewed prior to submitting bids on the work.

**TO ALL BIDDERS**: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**The Project Manual shall be amended as follows:**

**Item 1:** The deadline for questions to be submitted originally stated as June 1, 2020 at 5:00 p.m. has now been extended to June 8, 2020 at 5:00 p.m.

**Item 2:** The bid opening originally scheduled for June 10, 2020 at 2:00 p.m. has now been extended to June 17, 2020 at 2:30 p.m.

**Item 3:** Please delete "Page 16R of 33" from Addendum No. 1 and replace it with "Page 16R2 of 33."

**Item 4:** The following additional information is being provided in response to inquiries received.

**Question 1**: Can I please have some clarifications on the Addendum 1 answers? Specifically, Question 1, Question 15 and Question 16, the answer said that Asbestos and dioxin are not part of the permit. I see dioxin in the tables of the permit for RWS-A, RWS-B, RWS-C, RWS-G. Is this not for the Reuse Effluent Analysis section of the bid sheet on page 15R of 33?
**Answer 1:** YES, contrary to statements issued in Addendum No. 1, Dioxin is in fact included and required in accordance with the permit. To assist bidders, the relevant direct excerpt of the permit is provided herewith, and states the following:

> During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, total coliform, color, odor, and residual disinfectants). These monitoring results shall be reported to the Department annually on the RWS-A DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. When such a certification is submitted with the DMR, monitoring not required this period should be noted on the DMR. The annual reclaimed

water or effluent analysis report, and certification if applicable, shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by January 28 of each year. Approved analytical methods identified in Rule 62-620.100(3) (j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-600.660(2) and (3) (d)][62-600.680(2)][62-610.300(4)]*

**Question 2:** If the pricing sheet will not be altered, how will we decipher weekend work costs from weekday costs for specific tests and courier?

**Answer 2**: The pricing sheet, page 16R2 of 33, has been altered and made part of this addendum. A line item has been added beneath Fecal Coliform entitled "Fecal Coliform Additional Costs for Weekend Work" with a unit quantity of 104.

**In all other respects, except as specifically stated herein, the subject BID 2020-23 LABORATORY TESTING SERVICES remains unchanged.**

**THIS ADDEDNDUM MUST BE ACKNOWLEDGED AND RETURNED WITH YOUR BID**

**COMPANY NAME:** PACE Analytical Services

**SIGNATURE:** [signature] **DATE:** 6/4/20

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

The foregoing changes are hereby incorporated into the Bidding Contract Documents for CITY OF ORMOND BEACH– BID 2020-23 LABORATORY TESTING SERVICES, for the City of Ormond Beach.

City of Ormond Beach, Florida

**END OF ADDENDUM NO. 2**

ADDENDEM NO. 3

June 9, 2020

**TO:** Prospective Bidders and Others Concerned.

**SUBJECT:** Addendum # 3 **BID 2020-23 LABORATORY TESTING SERVICES**

**NOTE:** This addendum consists of the following documents. It is the Contractor's responsibility to ensure that all documents have been downloaded and reviewed prior to submitting bids on the work.

**TO ALL BIDDERS**: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**The Project Manual shall be amended as follows:**

**Item 1:** The following additional information is being provided in response to inquiries received.

**Question 1**: Can we provide the large documents, such as the Quality Manuals, PT studies, audits and certifications on a CD or thumb drive only?
**Answer 1:** To assist bidders and reduce replication costs, the vendors shall have the option of supplying a paper copy of the "large documents" listed in the **Scope of Work, 2. Bid Requirements/ Information to be Provided with the Bidder's Submission,** as appearing on pages 11R and 12R, Item "a" and Items "c" through "k" inclusive. Bidders shall still submit a paper copy of Item 2.b, which states "A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall be firm for the duration of the contract." While bidders have the option of supplying a paper copy of the items as noted herewith, this addendum does not relieve the bidder of supplying the required documents in digital format. In addition, should the bidder choose to omit submittal of certain documents in paper format, then it shall be the responsibility of the bidder to provide one paper copy of a "Table of Contents" or "List of Attachments" or "List of Exhibits" or other appropriately titled paper submittal that clearly identifies and lists each of the documents that are only provided in a digital format.

**Question 2:** For the Quality Manual can we mark it as a confidential document and only the city of Ormond Beach will have access to it?
**Answer 2**: No, upon submission of the bid documents, the Quality Manual shall be considered a public document and will not be considered confidential. We are not aware of any exemption which would cause that information to be confidential. If vendor would like to provide something to the contrary, we can take a look at it.

**In all other respects, except as specifically stated herein, the subject BID 2020-23 LABORATORY TESTING SERVICES remains unchanged.**

**THIS ADDEDNDUM MUST BE ACKNOWLEDGED AND RETURNED WITH YOUR BID**

**COMPANY NAME:** Pace Analytical Services LLC

**SIGNATURE:** _____ **DATE:** 6/9/20

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

The foregoing changes are hereby incorporated into the Bidding Contract Documents for CITY OF ORMOND BEACH– BID 2020-23 LABORATORY TESTING SERVICES, for the City of Ormond Beach.

City of Ormond Beach, Florida

**END OF ADDENDUM NO. 3**

# PERFORMANCE BOND

**KNOW ALL MEN BY THESE PRESENTS**: that

_____
*(Name of Contractor)*

_____
*(Address of Contractor)*

a(n) _____ , hereinafter called Principal, and
*(Corporation, Partnership or Individual)*

_____
*(Name of Surety)*

N/A

_____
*(Address of Surety)*

hereinafter called Surety, are held and firmly bound unto

_____
*(Name of Owner)*

_____
*(Address of Owner)*

hereinafter called OWNER, in the penal sum of _____

_____ Dollars, ($_____ ) in lawful money of the United States, for the payment of which sum will and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with OWNER, dated _____ day of _____, 20____, for the construction of:

**LABORATORY TESTING SERVICES 2020**
**Bid No. 2020-23**

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one-year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be
(number)

deemed an original, this _____ day of _____, 20_____.

ATTEST: _____
*Principal*

_____ By _____ (s)
*(Principal) Secretary*

(SEAL)

N/A

_____ _____
*(Witness to Principal)* *(Address)*

_____ _____
*(Address)*

_____ _____
*(Surety)*

ATTEST:

_____
*(Surety) Secretary*

(SEAL)

_____ _____
*Witness to Surety* *Attorney-In-Fact*

_____ _____
*(Address)* *(Address)*

_____ _____

NOTE: Date of BOND must not be prior to date of Contract. If CONTRACTOR is Partnership, all partners should execute BOND. All BONDS signed by an agent must be accompanied by a certified copy of the authority to act.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

# MDL/PQL Tables

| Method | Analyte | CAS No. | PQL | MDL | Units |
|---|---|---|---|---|---|
| 1801 W | Turbidity | | 0.2 | 0.2 | NTU |
| 2007 DW | Aluminum | 7429-90-5 | 100 | 41.8 | ug/L |
| 2007 DW | Barium | 7440-39-3 | 10 | 2.3 | ug/L |
| 2007 DW | Beryllium | 7440-41-7 | 4 | 0.214 | ug/L |
| 2007 DW | Boron | 7440-42-8 | 50 | 11.6 | ug/L |
| 2007 DW | Cadmium | 7440-43-9 | 1 | 0.244 | ug/L |
| 2007 DW | Calcium | 7440-70-2 | 500 | 196.8 | ug/L |
| 2007 DW | Chromium | 7440-47-3 | 5 | 0.81 | ug/L |
| 2007 DW | Cobalt | 7440-48-4 | 10 | 2.3 | ug/L |
| 2007 DW | Copper | 7440-50-8 | 5 | 2.56 | ug/L |
| 2007 DW | Iron | 7439-89-6 | 40 | 16.27 | ug/L |
| 2007 DW | Magnesium | 7439-95-4 | 500 | 161.9 | ug/L |
| 2007 DW | Manganese | 7439-96-5 | 5 | 1.24 | ug/L |
| 2007 DW | Molybdenum | 7439-98-7 | 10 | 4 | ug/L |
| 2007 DW | Nickel | 7440-02-0 | 5 | 1.96 | ug/L |
| 2007 DW | Potassium | 7440-09-7 | 1000 | 271.6 | ug/L |
| 2007 DW | Silver | 7440-22-4 | 5 | 1.52 | ug/L |
| 2007 DW | Sodium | 7440-23-5 | 2000 | 594.1 | ug/L |
| 2007 DW | Vanadium | 7440-62-2 | 10 | 1.39 | ug/L |
| 2007 DW | Zinc | 7440-66-6 | 20 | 7.575 | ug/L |
| 2007 DW | Tin | 7440-31-5 | 50 | 31.6 | ug/L |
| 2007 DW | Silicon | 7440-21-3 | 100 | 55.5 | ug/L |
| 2007 DW | Silica | 7631-86-9 | 214 | 119 | ug/L |
| 2007 DW | Strontium | 7440-24-6 | 10 | 3.35 | ug/L |
| 2007 DW | Lithium | 7439-93-2 | 500 | 146.7 | ug/L |
| 2007 DWNP | Aluminum | 7429-90-5 | 100 | 41.8 | ug/L |
| 2007 DWNP | Barium | 7440-39-3 | 10 | 2.3 | ug/L |
| 2007 DWNP | Beryllium | 7440-41-7 | 4 | 0.214 | ug/L |
| 2007 DWNP | Boron | 7440-42-8 | 50 | 11.6 | ug/L |
| 2007 DWNP | Cadmium | 7440-43-9 | 1 | 0.244 | ug/L |
| 2007 DWNP | Calcium | 7440-70-2 | 500 | 196.8 | ug/L |
| 2007 DWNP | Chromium | 7440-47-3 | 5 | 0.81 | ug/L |
| 2007 DWNP | Cobalt | 7440-48-4 | 10 | 2.3 | ug/L |
| 2007 DWNP | Copper | 7440-50-8 | 5 | 2.56 | ug/L |
| 2007 DWNP | Iron | 7439-89-6 | 40 | 16.27 | ug/L |
| 2007 DWNP | Lead | 7439-92-1 | 10 | 5 | ug/L |
| 2007 DWNP | Magnesium | 7439-95-4 | 500 | 161.9 | ug/L |
| 2007 DWNP | Manganese | 7439-96-5 | 5 | 1.24 | ug/L |
| 2007 DWNP | Molybdenum | 7439-98-7 | 10 | 4 | ug/L |
| 2007 DWNP | Nickel | 7440-02-0 | 5 | 1.96 | ug/L |
| 2007 DWNP | Potassium | 7440-09-7 | 1000 | 271.6 | ug/L |
| 2007 DWNP | Sodium | 7440-23-5 | 2000 | 594.1 | ug/L |
| 2007 DWNP | Vanadium | 7440-62-2 | 10 | 1.39 | ug/L |
| 2007 DWNP | Zinc | 7440-66-6 | 20 | 7.575 | ug/L |
| 2007 DWNP | Tin | 7440-31-5 | 50 | 31.6 | ug/L |
| 2007 DWNP | Silicon | 7440-21-3 | 100 | 55.5 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 2007 DWNP | Silica | 7631-86-9 | 214 | 119 | ug/L |
| 2007 DWNP | Strontium | 7440-24-6 | 10 | 3.35 | ug/L |
| 2007 DWNP | Lithium | 7439-93-2 | 500 | 146.7 | ug/L |
| 2008 DW | Beryllium | 7440-41-7 | 0.1 | 0.07 | ug/L |
| 2008 DW | Aluminum | 7429-90-5 | 10 | 7.16 | ug/L |
| 2008 DW | Chromium | 7440-47-3 | 2 | 1.11 | ug/L |
| 2008 DW | Manganese | 7439-96-5 | 1 | 0.69 | ug/L |
| 2008 DW | Cobalt | 7440-48-4 | 1 | 0.194 | ug/L |
| 2008 DW | Nickel | 7440-02-0 | 1 | 0.62 | ug/L |
| 2008 DW | Copper | 7440-50-8 | 1 | 0.93 | ug/L |
| 2008 DW | Zinc | 7440-66-6 | 5 | 4.29 | ug/L |
| 2008 DW | Arsenic | 7440-38-2 | 1 | 0.5 | ug/L |
| 2008 DW | Selenium | 7782-49-2 | 1 | 0.831 | ug/L |
| 2008 DW | Molybdenum | 7439-98-7 | 1 | 0.183 | ug/L |
| 2008 DW | Silver | 7440-22-4 | 0.1 | 0.05 | ug/L |
| 2008 DW | Cadmium | 7440-43-9 | 0.2 | 0.115 | ug/L |
| 2008 DW | Antimony | 7440-36-0 | 1 | 0.212 | ug/L |
| 2008 DW | Barium | 7440-39-3 | 1 | 0.5 | ug/L |
| 2008 DW | Thallium | 7440-28-0 | 1 | 0.5 | ug/L |
| 2008 DW | Lead | 7439-92-1 | 1 | 0.218 | ug/L |
| 2008 DW | Uranium | 7440-61-1 | 1 | 0.187 | ug/L |
| 2008 DWNP | Beryllium | 7440-41-7 | 0.1 | 0.07 | ug/L |
| 2008 DWNP | Aluminum | 7429-90-5 | 10 | 7.16 | ug/L |
| 2008 DWNP | Chromium | 7440-47-3 | 2 | 1.11 | ug/L |
| 2008 DWNP | Manganese | 7439-96-5 | 1 | 0.69 | ug/L |
| 2008 DWNP | Cobalt | 7440-48-4 | 1 | 0.194 | ug/L |
| 2008 DWNP | Nickel | 7440-02-0 | 1 | 0.62 | ug/L |
| 2008 DWNP | Copper | 7440-50-8 | 1 | 0.93 | ug/L |
| 2008 DWNP | Zinc | 7440-66-6 | 5 | 4.29 | ug/L |
| 2008 DWNP | Arsenic | 7440-38-2 | 1 | 0.5 | ug/L |
| 2008 DWNP | Selenium | 7782-49-2 | 1 | 0.831 | ug/L |
| 2008 DWNP | Molybdenum | 7439-98-7 | 1 | 0.183 | ug/L |
| 2008 DWNP | Silver | 7440-22-4 | 0.1 | 0.05 | ug/L |
| 2008 DWNP | Cadmium | 7440-43-9 | 0.2 | 0.115 | ug/L |
| 2008 DWNP | Antimony | 7440-36-0 | 1 | 0.212 | ug/L |
| 2008 DWNP | Barium | 7440-39-3 | 1 | 0.5 | ug/L |
| 2008 DWNP | Thallium | 7440-28-0 | 1 | 0.5 | ug/L |
| 2008 DWNP | Lead | 7439-92-1 | 1 | 0.218 | ug/L |
| 2008 DWNP | Uranium | 7440-61-1 | 1 | 0.187 | ug/L |
| 2008 WUCMR | Germanium | 7440-56-4 | 0.24 | 0.08 | ug/L |
| 2008 WUCMR | Manganese | 7439-96-5 | 0.32 | 0.1064 | ug/L |
| 2120BW | Apparent Color | | 5 | 5 | units |
| 2120BWT | True Color | | 5 | 5 | units |
| 2150B DC | Dechlorinated Odor | | 1 | 1 | |
| 2187 DW | Chromium, Hexavalent | 18540-29-9 | 0.025 | 0.0133 | ug/L |
| 2310B W | Acidity, Total | | 1 | 1 | mg/L |
| 2320BW | Alkalinity, Total as CaCO3 | | 5 | 5 | mg/L |
| 7470 W | Mercury | 7439-97-6 | 0.2 | 0.09 | ug/L |
| 2510B W | Specific Conductance @ 25C | | 2 | 2 | umhos/cm |
| 2540C W | Total Dissolved Solids | | 5 | 5 | mg/L |

| | | | | | |
|---|---|---|---|---|---|
| 3000 W | Nitrite as N | 14797-65-0 | 0.05 | 0.025 | mg/L |
| 3000 W | Nitrate as N | 14797-55-8 | 0.05 | 0.025 | mg/L |
| 3000 W | Orthophosphate as P | | 0.1 | 0.05 | mg/L |
| 3000 W | Nitrate-Nitrite (as N) | 7727-37-9 | 1 | 0.05 | mg/L |
| 3000 W28 | Bromide | 24959-67-9 | 0.1 | 0.0362 | mg/L |
| 3000 W28 | Chloride | 16887-00-6 | 5 | 2.5 | mg/L |
| 3000 W28 | Fluoride | 16984-48-8 | 0.05 | 0.0146 | mg/L |
| 3000 W28 | Sulfate | 14808-79-8 | 5 | 2.5 | mg/L |
| 3001W | Chlorite | | 5 | 1.276 | ug/L |
| 3001 W28 | Bromide | 24959-67-9 | 5 | 3.96 | ug/L |
| 3001 W28 | Bromate | 15541-45-4 | 1 | 0.64 | ug/L |
| 3001 W28 | Chlorate | 7790-93-4 | 5 | 2.15 | ug/L |
| 3354 W | Cyanide | 57-12-5 | 0.01 | 0.005 | mg/L |
| 3501 DW | Nitrogen, Ammonia | 7664-41-7 | 0.05 | 0.0348 | mg/L |
| 3532 WN | Nitrogen, NO2 plus NO3 | | 0.05 | 0.033 | mg/L |
| 4204WLOW | Phenolics,Total | | 0.001 | 0.0006 | mg/L |
| 4500CLD | Chlorine, Total | 7782-50-5 | 0.1 | 0.1 | mg/L |
| 4500CLD | Chlorine, Free | 7782-50-5 | 0.1 | 0.1 | mg/L |
| 4500CLD | Chloramine | 10599-90-3 | 0.1 | 0.1 | mg/L |
| 4500CLD | Monochloramine | | 0.1 | 0.1 | mg/L |
| 4500CLD | Dichloramine | | 0.1 | 0.1 | mg/L |
| 4500ClO2 | Chlorine Dioxide | | 0.2 | 0.107 | mg/L |
| 4500HB | pH at 25 Degrees C | | 0.1 | 0.1 | Std. Units |
| 4500S2F DW | Sulfide | 18496-25-8 | 0.1 | 0.1 | mg/L |
| 8011 W | 1,2-Dibromoethane (EDB) | 106-93-4 | 0.01 | 0.0075 | ug/L |
| 8011 W | 1,2-Dibromo-3- | 96-12-8 | 0.02 | 0.0064 | ug/L |
| 505 W | PCB-1016 (Aroclor 1016) | 12674-11-2 | 0.1 | 0.08 | ug/L |
| 505 W | PCB-1221 (Aroclor 1221) | 11104-28-2 | 0.1 | 0.1 | ug/L |
| 505 W | PCB-1232 (Aroclor 1232) | 11141-16-5 | 0.1 | 0.1 | ug/L |
| 505 W | PCB-1242 (Aroclor 1242) | 53469-21-9 | 0.1 | 0.1 | ug/L |
| 505 W | PCB-1248 (Aroclor 1248) | 12672-29-6 | 0.1 | 0.1 | ug/L |
| 505 W | PCB-1254 (Aroclor 1254) | 11097-69-1 | 0.1 | 0.1 | ug/L |
| 505 W | PCB-1260 (Aroclor 1260) | 11096-82-5 | 0.1 | 0.1 | ug/L |
| 505 W | Chlordane (Technical) | 57-74-9 | 0.2 | 0.2 | ug/L |
| 505 W | Toxaphene | 8001-35-2 | 1 | 1 | ug/L |
| 508 W | Alachlor | 15972-60-8 | 0.2 | 0.0628 | ug/L |
| 508 W | alpha-Chlordane | 5103-71-9 | 0.02 | 0.0083 | ug/L |
| 508 W | Chlordane (Technical) | 57-74-9 | 0.2 | 0.047 | ug/L |
| 508 W | Dieldrin | 60-57-1 | 0.1 | 0.0282 | ug/L |
| 508 W | Endrin | 72-20-8 | 0.01 | 0.004 | ug/L |
| 508 W | gamma-BHC (Lindane) | 58-89-9 | 0.02 | 0.0036 | ug/L |
| 508 W | gamma-Chlordane | 5103-74-2 | 0.02 | 0.0064 | ug/L |
| 508 W | Heptachlor | 76-44-8 | 0.04 | 0.0097 | ug/L |
| 508 W | Heptachlor epoxide | 1024-57-3 | 0.02 | 0.007 | ug/L |
| 508 W | Hexachlorobenzene | 118-74-1 | 0.1 | 0.0247 | ug/L |
| 508 W | Hexachlorocyclopentadiene | 77-47-4 | 0.1 | 0.0168 | ug/L |
| 508 W | Methoxychlor | 72-43-5 | 0.1 | 0.0584 | ug/L |
| 508 W | Metolachlor | 51218-45-2 | 0.1 | 0.0377 | ug/L |
| 508 W | PCB-1016 (Aroclor 1016) | 12674-11-2 | 0.1 | 0.08 | ug/L |
| 508 W | PCB-1221 (Aroclor 1221) | 11104-28-2 | 0.1 | 0.029 | ug/L |
| 508 W | PCB-1232 (Aroclor 1232) | 11141-16-5 | 0.1 | 0.029 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 508 W | PCB-1242 (Aroclor 1242) | 53469-21-9 | 0.1 | 0.051 | ug/L |
| 508 W | PCB-1248 (Aroclor 1248) | 12672-29-6 | 0.1 | 0.062 | ug/L |
| 508 W | PCB-1254 (Aroclor 1254) | 11097-69-1 | 0.1 | 0.023 | ug/L |
| 508 W | PCB-1260 (Aroclor 1260) | 11096-82-5 | 0.1 | 0.066 | ug/L |
| 508 W | PCB, Total | 1336-36-3 | 0.1 | 0.08 | ug/L |
| 508 W | Propachlor | 1918-16-7 | 0.1 | 0.0318 | ug/L |
| 508 W | Simazine | 122-34-9 | 0.07 | 0.0475 | ug/L |
| 508 W | Toxaphene | 8001-35-2 | 1 | 0.608 | ug/L |
| 5153 W | 2,4-D | 94-75-7 | 0.1 | 0.0959 | ug/L |
| 5153 W | 2,4,5-T | 93-76-5 | 0.2 | 0.16 | ug/L |
| 5153 W | 2,4,5-TP (Silvex) | 93-72-1 | 0.2 | 0.16 | ug/L |
| 5153 W | 2,4-DB | 94-82-6 | 2 | 1.7 | ug/L |
| 5153 W | Acifluorfen | 62476-59-9 | 0.1 | 0.0779 | ug/L |
| 5153 W | Bentazon | 25057-89-0 | 0.2 | 0.16 | ug/L |
| 5153 W | Dalapon | 75-99-0 | 1 | 0.89 | ug/L |
| 5153 W | Dicamba | 1918-00-9 | 0.1 | 0.067 | ug/L |
| 5153 W | Dichlorprop | 120-36-5 | 0.7 | 0.55 | ug/L |
| 5153 W | Dinoseb | 88-85-7 | 0.2 | 0.16 | ug/L |
| 5153 W | Pentachlorophenol | 87-86-5 | 0.04 | 0.03 | ug/L |
| 5153 W | Picloram | 1918-02-1 | 0.1 | 0.094 | ug/L |
| 522 W | 1,4-Dioxane (p-Dioxane) | 123-91-1 | 0.2 | 0.12 | ug/L |
| 5242 W | Methylene Chloride | 75-09-2 | 1 | 0.44 | ug/L |
| 5242 W | Dichlorodifluoromethane | 75-71-8 | 0.5 | 0.49 | ug/L |
| 5242 W | Chloromethane | 74-87-3 | 1 | 0.462 | ug/L |
| 5242 W | Vinyl chloride | 75-01-4 | 0.5 | 0.394 | ug/L |
| 5242 W | Bromomethane | 74-83-9 | 1 | 0.25 | ug/L |
| 5242 W | Bromodichloromethane | 75-27-4 | 1 | 0.25 | ug/L |
| 5242 W | Chloroethane | 75-00-3 | 0.5 | 0.5 | ug/L |
| 5242 W | Chlorobenzene | 108-90-7 | 0.5 | 0.25 | ug/L |
| 5242 W | Trichlorofluoromethane | 75-69-4 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,1-Dichloroethane | 75-34-3 | 0.5 | 0.25 | ug/L |
| 5242 W | 2,2-Dichloropropane | 594-20-7 | 0.5 | 0.25 | ug/L |
| 5242 W | Bromochloromethane | 74-97-5 | 0.5 | 0.25 | ug/L |
| 5242 W | Chloroform | 67-66-3 | 1 | 0.25 | ug/L |
| 5242 W | 1,1,1-Trichloroethane | 71-55-6 | 0.5 | 0.25 | ug/L |
| 5242 W | Carbon tetrachloride | 56-23-5 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,1-Dichloropropene | 563-58-6 | 0.5 | 0.25 | ug/L |
| 5242 W | Benzene | 71-43-2 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2-Dichlorobenzene | 95-50-1 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,3-Dichlorobenzene | 541-73-1 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,4-Dichlorobenzene | 106-46-7 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2-Dichloroethane | 107-06-2 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2-Dichloropropane | 78-87-5 | 0.5 | 0.25 | ug/L |
| 5242 W | Dibromomethane | 74-95-3 | 0.5 | 0.25 | ug/L |
| 5242 W | Toluene | 108-88-3 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,1,2-Trichloroethane | 79-00-5 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,3-Dichloropropane | 142-28-9 | 0.5 | 0.25 | ug/L |
| 5242 W | Dibromochloromethane | 124-48-1 | 1 | 0.25 | ug/L |
| 5242 W | 1,2-Dibromoethane (EDB) | 106-93-4 | 0.5 | 0.25 | ug/L |
| 5242 W | Ethylbenzene | 100-41-4 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,1,1,2-Tetrachloroethane | 630-20-6 | 0.5 | 0.25 | ug/L |

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|---|---|---|---|---|---|
| 5242 W | m&p-Xylene | 179601-23-1 | 1 | 0.25 | ug/L |
| 5242 W | o-Xylene | 95-47-6 | 0.5 | 0.25 | ug/L |
| 5242 W | Xylene (Total) | 1330-20-7 | 1 | 0.25 | ug/L |
| 5242 W | Bromoform | 75-25-2 | 1 | 0.32 | ug/L |
| 5242 W | Isopropylbenzene | 98-82-8 | 0.5 | 0.25 | ug/L |
| 5242 W | Bromobenzene | 108-86-1 | 0.5 | 0.25 | ug/L |
| 5242 W | cis-1,3-Dichloropropene | 10061-01-5 | 0.5 | 0.25 | ug/L |
| 5242 W | Styrene | 100-42-5 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2,3-Trichloropropane | 96-18-4 | 0.5 | 0.433 | ug/L |
| 5242 W | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.5 | 0.25 | ug/L |
| 5242 W | 2-Chlorotoluene | 95-49-8 | 0.5 | 0.25 | ug/L |
| 5242 W | n-Propylbenzene | 103-65-1 | 0.5 | 0.25 | ug/L |
| 5242 W | 4-Chlorotoluene | 106-43-4 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,3,5-Trimethylbenzene | 108-67-8 | 0.5 | 0.25 | ug/L |
| 5242 W | tert-Butylbenzene | 98-06-6 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2,4-Trimethylbenzene | 95-63-6 | 0.5 | 0.25 | ug/L |
| 5242 W | sec-Butylbenzene | 135-98-8 | 0.5 | 0.25 | ug/L |
| 5242 W | p-Isopropyltoluene | 99-87-6 | 0.5 | 0.25 | ug/L |
| 5242 W | n-Butylbenzene | 104-51-8 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2,4-Trichlorobenzene | 120-82-1 | 0.5 | 0.408 | ug/L |
| 5242 W | Naphthalene | 91-20-3 | 0.5 | 0.25 | ug/L |
| 5242 W | Hexachloro-1,3-butadiene | 87-68-3 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2,3-Trichlorobenzene | 87-61-6 | 0.5 | 0.25 | ug/L |
| 5242 W | Methyl-tert-butyl ether | 1634-04-4 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,1,2- | 76-13-1 | 0.5 | 0.25 | ug/L |
| 5242 W | Trichloroethene | 79-01-6 | 0.5 | 0.25 | ug/L |
| 5242 W | Tetrachloroethene | 127-18-4 | 0.5 | 0.25 | ug/L |
| 5242 W | cis-1,2-Dichloroethene | 156-59-2 | 0.5 | 0.25 | ug/L |
| 5242 W | trans-1,2-Dichloroethene | 156-60-5 | 0.5 | 0.25 | ug/L |
| 5242 W | 2-Butanone (MEK) | 78-93-3 | 4 | 2 | ug/L |
| 5242 W | 1,1-Dichloroethene | 75-35-4 | 0.5 | 0.25 | ug/L |
| 5242 W | 1,2,3-Trimethylbenzene | 526-73-8 | 0.5 | 0.29 | ug/L |
| 5242 W | trans-1,3-Dichloropropene | 10061-02-6 | 0.5 | 0.25 | ug/L |
| 5242 W | Total Trihalomethanes | | 1 | 0.32 | ug/L |
| 5242 W | Acetone | 67-64-1 | 5 | 2.5 | ug/L |
| 5242 WTHM | Chloroform | 67-66-3 | 1 | 0.25 | ug/L |
| 5242 WTHM | Bromodichloromethane | 75-27-4 | 1 | 0.25 | ug/L |
| 5242 WTHM | Dibromochloromethane | 124-48-1 | 1 | 0.25 | ug/L |
| 5242 WTHM | Bromoform | 75-25-2 | 1 | 0.32 | ug/L |
| 5242 WTHM | Total Trihalomethanes (Calc.) | | 1 | 0.32 | ug/L |
| 5242 WTHM | Chloroform | 67-66-3 | 1 | 0.25 | ug/L |
| 5242 WTHM | Bromodichloromethane | 75-27-4 | 1 | 0.25 | ug/L |
| 5242 WTHM | Dibromochloromethane | 124-48-1 | 1 | 0.25 | ug/L |
| 5242 WTHM | Bromoform | 75-25-2 | 1 | 0.32 | ug/L |
| 5242 WTHM | Total Trihalomethanes | | 1 | 0.32 | ug/L |
| 525 W | Aldrin | 309-00-2 | 0.1 | 0.068 | ug/L |
| 525 W | Butachlor | 23184-66-9 | 0.1 | 0.074 | ug/L |
| 525 W | Dieldrin | 60-57-1 | 0.13 | 0.074 | ug/L |
| 525 W | Metolachlor | 51218-45-2 | 1 | 0.265 | ug/L |
| 525 W | Metribuzin | 21087-64-9 | 0.3 | 0.15 | ug/L |

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|---|---|---|---|---|---|
| 525 W | Propachlor | 1918-16-7 | 0.2 | 0.074 | ug/L |
| 525 W | Pentachlorobiphenyl | 25429-29-2 | 0.1 | 0.04 | ug/L |
| 525 W | Octachlorobiphenyl | 31472-83-0 | 0.1 | 0.093 | ug/L |
| 525 W | Tetrachlorobiphenyl | 26914-33-0 | 0.1 | 0.046 | ug/L |
| 525 W | 2-Chlorobiphenyl | | 0.1 | 0.026 | ug/L |
| 525 W | Benzo(a)pyrene | 50-32-8 | 0.1 | 0.013 | ug/L |
| 525 W | Butylbenzylphthalate | 85-68-7 | 2 | 0.498 | ug/L |
| 525 W | bis(2-Ethylhexyl)adipate | 103-23-1 | 1.6 | 0.383 | ug/L |
| 525 W | Indeno(1,2,3-cd)pyrene | 193-39-5 | 0.2 | 0.027 | ug/L |
| 525 W | Molinate | 2212-67-1 | 2 | 0.431 | ug/L |
| 525 W | Phenanthrene | 85-01-8 | 0.2 | 0.05 | ug/L |
| 525 W | Pyrene | 129-00-0 | 0.2 | 0.034 | ug/L |
| 525 W | bis(2-Ethylhexyl)phthalate | 117-81-7 | 2 | 0.5 | ug/L |
| 525 W | Di-n-butylphthalate | 84-74-2 | 2 | 0.351 | ug/L |
| 525 W | Diethylphthalate | 84-66-2 | 2 | 0.514 | ug/L |
| 525 W | Dimethylphthalate | 131-11-3 | 1.6 | 1.086 | ug/L |
| 525 W | trans-Nonachlor | 39765-80-5 | 0.2 | 0.116 | ug/L |
| 525 W | Thiobencarb | 28249-77-6 | 2 | 0.469 | ug/L |
| 525 W | Fluorene | 86-73-7 | 0.2 | 0.025 | ug/L |
| 525 W | Atrazine | 1912-24-9 | 0.1 | 0.079 | ug/L |
| 5253WUCMR | Chlorpyrifos | 2921-88-2 | 0.03 | 0.01 | ug/L |
| 5253WUCMR | Dimethipin | 55290-64-7 | 0.2 | 0.067 | ug/L |
| 5253WUCMR | Ethoprop | 13194-48-4 | 0.03 | 0.01 | ug/L |
| 5253WUCMR | alpha-BHC | 319-84-6 | 0.01 | 0.0033 | ug/L |
| 5253WUCMR | Oxyfluorfen | 42874-03-3 | 0.05 | 0.017 | ug/L |
| 5253WUCMR | Permethrin | 52645-53-1 | 0.04 | 0.013 | ug/L |
| 5253WUCMR | Profenofos | 41198-08-7 | 0.3 | 0.1 | ug/L |
| 5253WUCMR | Tebuconazole | 107534-96-3 | 0.2 | 0.067 | ug/L |
| 5253WUCMR | Merphos-Oxone | 78-48-8 | 0.07 | 0.023 | ug/L |
| 530 WUCMR | Butylated Hydroxyanisole | 25013-16-5 | 0.03 | 0.01 | ug/L |
| 530 WUCMR | O-Toluidine | 95-53-4 | 0.007 | 0.0023 | ug/L |
| 530 WUCMR | Quinoline | 91-22-5 | 0.02 | 0.0067 | ug/L |
| 531 W | 3-Hydroxycarbofuran | 16655-82-6 | 2 | 0.3958 | ug/L |
| 531 W | Aldicarb | 116-06-3 | 2 | 0.1074 | ug/L |
| 531 W | Aldicarb sulfone | 1646-88-4 | 2 | 0.223 | ug/L |
| 531 W | Aldicarb sulfoxide | 1646-87-3 | 2 | 0.1248 | ug/L |
| 531 W | Carbofuran | 1563-66-2 | 2 | 0.2067 | ug/L |
| 531 W | Carbaryl | 63-25-2 | 2 | 0.1115 | ug/L |
| 531 W | Methiocarb | 2032-65-7 | 2 | 0.4052 | ug/L |
| 531 W | Methomyl | 16752-77-5 | 2 | 0.1017 | ug/L |
| 531 W | Oxamyl | 23135-22-0 | 2 | 0.1775 | ug/L |
| 5310B W | Total Organic Carbon | 7440-44-0 | 1 | 0.5 | mg/L |
| 5310BWD | Dissolved Organic Carbon | | 1 | 0.5 | mg/L |
| 5312 W | Carbofuran | 1563-66-2 | 0.9 | 0.6702 | ug/L |
| 5312 W | Oxamyl | 23135-22-0 | 2 | 0.4408 | ug/L |
| 5371 W | Perfluorooctanesulfonic | 1763-23-1 | 0.004 | 0.00123 | ug/L |
| 5371 W | Perfluorooctanoic acid | 335-67-1 | 0.004 | 0.000894 | ug/L |
| 5371 W | Perfluorohexanesulfonic acid | 355-46-4 | 0.004 | 0.00075 | ug/L |
| 5371 W | Perfluoroheptanoic acid | 375-85-9 | 0.004 | 0.00103 | ug/L |
| 5371 W | Perfluorononanoic acid | 375-95-1 | 0.004 | 0.002 | ug/L |

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|---|---|---|---|---|---|
| 5371 W | Perfluorobutanesulfonic | 375-73-5 | 0.004 | 0.00068 | ug/L |
| 5371 W | Perfluoroundecanoic acid | 2058-94-8 | 0.004 | 0.002 | ug/L |
| 5371 W | Perfluorododecanoic acid | 307-55-1 | 0.004 | 0.00149 | ug/L |
| 5371 W | Perfluorodecanoic acid | 335-76-2 | 0.004 | 0.002 | ug/L |
| 5371 W | Perfluorohexanoic acid | 307-24-4 | 0.004 | 0.0013 | ug/L |
| 5371 W | NEtFOSAA | 2991-50-6 | 0.004 | 0.00095 | ug/L |
| 5371 W | NMeFOSAA | 2355-31-9 | 0.004 | 0.0016 | ug/L |
| 5371 W | Perfluorotetradecanoic acid | 376-06-7 | 0.004 | 0.00192 | ug/L |
| 5371 W | Perfluorotridecanoic acid | 72629-94-8 | 0.004 | 0.00178 | ug/L |
| 5371 W | HFPO-DA | 13252-13-6 | 0.004 | 0.00167 | ug/L |
| 5371 W | ADONA | 919005-14-4 | 0.004 | 0.00074 | ug/L |
| 5371 W | 9Cl-PF3ONS | 756426-58-1 | 0.004 | 0.00116 | ug/L |
| 5371 W | 11Cl-PF3OUdS | 763051-92-9 | 0.004 | 0.00162 | ug/L |
| 537W | Perfluorooctanesulfonic | 1763-23-1 | 0.002 | 0.000832 | ug/L |
| 537W | Perfluorooctanoic acid | 335-67-1 | 0.002 | 0.000894 | ug/L |
| 537W | Perfluorohexanesulfonic | 355-46-4 | 0.002 | 0.000502 | ug/L |
| 537W | Perfluoroheptanoic acid | 375-85-9 | 0.002 | 0.000388 | ug/L |
| 537W | Perfluorononanoic acid | 375-95-1 | 0.002 | 0.000763 | ug/L |
| 537W | Perfluorobutanesulfonic | 375-73-5 | 0.002 | 0.000495 | ug/L |
| 537W | Perfluoroundecanoic acid | 2058-94-8 | 0.002 | 0.000589 | ug/L |
| 537W | Perfluorododecanoic acid | 307-55-1 | 0.002 | 0.000492 | ug/L |
| 537W | Perfluorodecanoic acid | 335-76-2 | 0.002 | 0.000714 | ug/L |
| 537W | Perfluorohexanoic acid | 307-24-4 | 0.002 | 0.00051 | ug/L |
| 537W | NEtFOSAA | 2991-50-6 | 0.002 | 0.0012 | ug/L |
| 537W | NMeFOSAA | 2355-31-9 | 0.002 | 0.000587 | ug/L |
| 537W | Perfluorotetradecanoic acid | 376-06-7 | 0.002 | 0.00192 | ug/L |
| 537W | Perfluorotridecanoic acid | 72629-94-8 | 0.002 | 0.00042 | ug/L |
| 541 WUCMR | 2-Propen-1-ol (Allyl alcohol) | 107-18-6 | 0.5 | 0.17 | ug/L |
| 541 WUCMR | n-Butanol | 71-36-3 | 2 | 0.67 | ug/L |
| 541 WUCMR | 2-Methoxyethanol | 109-86-4 | 0.4 | 0.13 | ug/L |
| 544 WUCMR | MC-LA | 96180-79-9 | 0.008 | 0.0027 | ug/L |
| 544 WUCMR | MC-LF | 154037-70-4 | 0.006 | 0.002 | ug/L |
| 544 WUCMR | MC-LR | 101043-37-2 | 0.02 | 0.0067 | ug/L |
| 544 WUCMR | MC-LY | 123304-10-9 | 0.009 | 0.003 | ug/L |
| 544 WUCMR | MC-RR | 111755-37-4 | 0.006 | 0.002 | ug/L |
| 544 WUCMR | MC-YR | 101064-48-6 | 0.02 | 0.0067 | ug/L |
| 544 WUCMR | Nodularin | 118399-22-7 | 0.005 | 0.0017 | ug/L |
| 545 W | Cylindrospermopsin | | 0.09 | 0.03 | ug/L |
| 545 W | Anatoxin | | 0.03 | 0.01 | ug/L |
| 546 W | Total Microcystins | | 0.3 | 0.1 | ug/L |
| 547 W | Glyphosate | | 6 | 4.23 | ug/L |
| 548 W | Endothall | | 9 | 3.33 | ug/L |
| 549 W | Paraquat | 1910-42-5 | 0.4 | 0.1628 | ug/L |
| 549 W | Diquat | 85-00-7 | 0.4 | 0.1601 | ug/L |
| 5523 W | Monochloroacetic Acid | 79-11-8 | 1 | 0.9 | ug/L |
| 5523 W | Monobromoacetic Acid | 79-08-3 | 1 | 0.29 | ug/L |
| 5523 W | Dichloroacetic Acid | 79-43-6 | 1 | 0.24 | ug/L |
| 5523 W | Trichloroacetic Acid | 76-03-9 | 1 | 0.26 | ug/L |
| 5523 W | Dibromoacetic Acid | 631-64-1 | 1 | 0.434 | ug/L |
| 5523 W | Haloacetic Acids (Total) | | 1 | 0.9 | ug/L |
| 5523 WUCMR | Monochloroacetic Acid | 79-11-8 | 2 | 0.67 | ug/L |

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|---|---|---|---|---|---|
| 5523 WUCMR | Monobromoacetic Acid | 79-08-3 | 0.3 | 0.1 | ug/L |
| 5523 WUCMR | Dichloroacetic Acid | 79-43-6 | 0.2 | 0.067 | ug/L |
| 5523 WUCMR | Trichloroacetic Acid | 76-03-9 | 0.5 | 0.17 | ug/L |
| 5523 WUCMR | Dibromoacetic Acid | 631-64-1 | 0.3 | 0.1 | ug/L |
| 5523 WUCMR | Bromochloroacetic Acid | 5589-96-8 | 0.3 | 0.1 | ug/L |
| 5523 WUCMR | Haloacetic Acids (Total) | | 2 | 0.67 | ug/L |
| 5523 WUCMR | Bromodichloroacetic Acid | 71133-14-7 | 0.5 | 0.17 | ug/L |
| 5523 WUCMR | Chlorodibromoacetic Acid | 5278-95-5 | 0.3 | 0.1 | ug/L |
| 5523 WUCMR | Tribromoacetic Acid | 75-96-7 | 2 | 0.67 | ug/L |
| 5523 WUCMR | Total Brominated HAAs | | 2 | 0.67 | ug/L |
| 5523 WUCMR | HAA9 Group | | 2 | 0.67 | ug/L |
| 5540C W2 | MBAS, Calculated as LAS | | 0.2 | 0.099 | mg/L |
| 5910BW | U254 UV Absorbing | | 0.009 | 0.0016 | cm-1 |
| 1604 WDVSS | Volatile Dissolved Solids | | 5 | 5 | mg/L |
| 2007 W | Aluminum | 7429-90-5 | 100 | 30.7 | ug/L |
| 2007 W | Antimony | 7440-36-0 | 15 | 5.5 | ug/L |
| 2007 W | Arsenic | 7440-38-2 | 10 | 7.1 | ug/L |
| 2007 W | Barium | 7440-39-3 | 10 | 0.84 | ug/L |
| 2007 W | Beryllium | 7440-41-7 | 4 | 1.6 | ug/L |
| 2007 W | Boron | 7440-42-8 | 50 | 12.4 | ug/L |
| 2007 W | Cadmium | 7440-43-9 | 1 | 0.33 | ug/L |
| 2007 W | Calcium | 7440-70-2 | 500 | 64.1 | ug/L |
| 2007 W | Chromium | 7440-47-3 | 5 | 1.7 | ug/L |
| 2007 W | Cobalt | 7440-48-4 | 10 | 0.96 | ug/L |
| 2007 W | Copper | 7440-50-8 | 5 | 2.6 | ug/L |
| 2007 W | Iron | 7439-89-6 | 40 | 9.2 | ug/L |
| 2007 W | Lead | 7439-92-1 | 10 | 4.6 | ug/L |
| 2007 W | Magnesium | 7439-95-4 | 500 | 84 | ug/L |
| 2007 W | Manganese | 7439-96-5 | 5 | 0.42 | ug/L |
| 2007 W | Molybdenum | 7439-98-7 | 10 | 1.6 | ug/L |
| 2007 W | Nickel | 7440-02-0 | 5 | 2.1 | ug/L |
| 2007 W | Potassium | 7440-09-7 | 1000 | 150.4 | ug/L |
| 2007 W | Silver | 7440-22-4 | 5 | 1 | ug/L |
| 2007 W | Sodium | 7440-23-5 | 2000 | 272.7 | ug/L |
| 2007 W | Vanadium | 7440-62-2 | 10 | 1 | ug/L |
| 2007 W | Zinc | 7440-66-6 | 20 | 11 | ug/L |
| 2007 W | Thallium | 7440-28-0 | 15 | 6.6 | ug/L |
| 2007 W | Tin | 7440-31-5 | 50 | 40.1 | ug/L |
| 2007 W | Selenium | 7782-49-2 | 15 | 8.5 | ug/L |
| 2007 W | Silicon | 7440-21-3 | 100 | 45.7 | ug/L |
| 2007 W | Strontium | 7440-24-6 | 10 | 0.73 | ug/L |
| 2008 W | Beryllium | 7440-41-7 | 0.1 | 0.0327 | ug/L |
| 2008 W | Aluminum | 7429-90-5 | 10 | 8.64 | ug/L |
| 2008 W | Vanadium | 7440-62-2 | 1 | 0.91 | ug/L |
| 2008 W | Chromium | 7440-47-3 | 1 | 0.5 | ug/L |
| 2008 W | Manganese | 7439-96-5 | 1 | 0.69 | ug/L |
| 2008 W | Cobalt | 7440-48-4 | 1 | 0.244 | ug/L |
| 2008 W | Nickel | 7440-02-0 | 1 | 0.62 | ug/L |
| 2008 W | Copper | 7440-50-8 | 1 | 0.93 | ug/L |
| 2008 W | Zinc | 7440-66-6 | 5 | 4.29 | ug/L |
| 2008 W | Arsenic | 7440-38-2 | 1 | 0.5 | ug/L |

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|---|---|---|---|---|---|
| 2008 W | Selenium | 7782-49-2 | 2 | 1.23 | ug/L |
| 2008 W | Molybdenum | 7439-98-7 | 1 | 0.5 | ug/L |
| 2008 W | Silver | 7440-22-4 | 0.5 | 0.21 | ug/L |
| 2008 W | Cadmium | 7440-43-9 | 0.1 | 0.05 | ug/L |
| 2008 W | Antimony | 7440-36-0 | 1 | 0.5 | ug/L |
| 2008 W | Barium | 7440-39-3 | 1 | 0.5 | ug/L |
| 2008 W | Thallium | 7440-28-0 | 1 | 0.1066 | ug/L |
| 2008 W | Lead | 7439-92-1 | 1 | 0.221 | ug/L |
| 2008 W | Uranium | 7440-61-1 | 1 | 0.22 | ug/L |
| 2186 W | Chromium, Hexavalent | 18540-29-9 | 0.025 | 0.0133 | ug/L |
| 2187 W | Chromium, Hexavalent | 18540-29-9 | 0.025 | 0.0133 | ug/L |
| 2310B W | Acidity, Total | | 1 | 1 | mg/L |
| 2320BW | Alkalinity, Total as CaCO3 | | 5 | 5 | mg/L |
| 3000 W | Nitrite as N | 14797-65-0 | 0.05 | 0.025 | mg/L |
| 3000 W | Nitrate as N | 14797-55-8 | 0.05 | 0.025 | mg/L |
| 3000 W | Orthophosphate as P | | 0.1 | 0.05 | mg/L |
| 3000 W | Nitrate-Nitrite (as N) | 7727-37-9 | 1 | 0.05 | mg/L |
| 3000 W28 | Bromide | 24959-67-9 | 0.1 | 0.0362 | mg/L |
| 3000 W28 | Chloride | 16887-00-6 | 5 | 2.5 | mg/L |
| 3000 W28 | Fluoride | 16984-48-8 | 0.05 | 0.0146 | mg/L |
| 3000 W28 | Sulfate | 14808-79-8 | 5 | 2.5 | mg/L |
| 3001W | Chlorite | | 5 | 1.276 | ug/L |
| 3001 W28 | Bromide | 24959-67-9 | 5 | 3.96 | ug/L |
| 3001 W28 | Bromate | 15541-45-4 | 1 | 0.64 | ug/L |
| 3001 W28 | Chlorate | 7790-93-4 | 5 | 2.15 | ug/L |
| 3354 W | Cyanide | 57-12-5 | 0.01 | 0.005 | mg/L |
| 3501 W | Nitrogen, Ammonia | 7664-41-7 | 0.05 | 0.0348 | mg/L |
| 3512 W | Nitrogen, Kjeldahl, Total | 7727-37-9 | 0.5 | 0.086 | mg/L |
| 3532 W | Nitrogen, Nitrite | 14797-65-0 | 0.05 | 0.025 | mg/L |
| 3532 W | Nitrogen, Nitrate | 14797-55-8 | 0.05 | 0.025 | mg/L |
| 3532 W | Nitrogen, NO2 plus NO3 | | 0.05 | 0.033 | mg/L |
| 3532 WN | Nitrogen, NO2 plus NO3 | | 0.05 | 0.033 | mg/L |
| 3651 WO | Orthophosphate as P | | 0.004 | 0.0038 | mg/L |
| 3653WLL2 | Phosphorus, Total (as P) LL | 7723-14-0 | 0.004 | 0.0028 | mg/L |
| 3654 TW | Phosphorus, Total (as P) | 7723-14-0 | 0.1 | 0.05 | mg/L |
| 4104 W | Chemical Oxygen Demand | | 20 | 12.5 | mg/L |
| 4204 W2 | Phenolics, Total | | 0.01 | 0.005 | mg/L |
| 4204WLOW | Phenolics,Total Recoverable LL | | 0.001 | 0.0006 | mg/L |
| 4500CLD | Chlorine, Total | 7782-50-5 | 0.1 | 0.1 | mg/L |
| 4500CLD | Chlorine, Free | 7782-50-5 | 0.1 | 0.1 | mg/L |
| 4500CLD | Chloramine | 10599-90-3 | 0.1 | 0.1 | mg/L |
| 4500CLD | Monochloramine | | 0.1 | 0.1 | mg/L |
| 4500CLD | Dichloramine | | 0.1 | 0.1 | mg/L |
| 4500ClO2 | Chlorine Dioxide | | 0.2 | 0.107 | mg/L |
| 4500S2F W | Sulfide | 18496-25-8 | 0.1 | 0.1 | mg/L |
| 5310B W | Total Organic Carbon | 7440-44-0 | 1 | 0.5 | mg/L |
| 5310BWD | Dissolved Organic Carbon | | 1 | 0.5 | mg/L |
| 6010 W35 | Aluminum | 7429-90-5 | 100 | 30.7 | ug/L |
| 6010 W35 | Antimony | 7440-36-0 | 15 | 5.5 | ug/L |
| 6010 W35 | Arsenic | 7440-38-2 | 10 | 7.1 | ug/L |

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|---|---|---|---|---|---|
| 6010 W35 | Barium | 7440-39-3 | 10 | 0.84 | ug/L |
| 6010 W35 | Beryllium | 7440-41-7 | 4 | 1.6 | ug/L |
| 6010 W35 | Boron | 7440-42-8 | 50 | 12.4 | ug/L |
| 6010 W35 | Cadmium | 7440-43-9 | 1 | 0.33 | ug/L |
| 6010 W35 | Calcium | 7440-70-2 | 500 | 64.1 | ug/L |
| 6010 W35 | Chromium | 7440-47-3 | 5 | 1.7 | ug/L |
| 6010 W35 | Cobalt | 7440-48-4 | 10 | 0.96 | ug/L |
| 6010 W35 | Copper | 7440-50-8 | 5 | 2.6 | ug/L |
| 6010 W35 | Iron | 7439-89-6 | 40 | 9.2 | ug/L |
| 6010 W35 | Lead | 7439-92-1 | 10 | 4.6 | ug/L |
| 6010 W35 | Magnesium | 7439-95-4 | 500 | 84 | ug/L |
| 6010 W35 | Manganese | 7439-96-5 | 5 | 0.42 | ug/L |
| 6010 W35 | Molybdenum | 7439-98-7 | 10 | 1.6 | ug/L |
| 6010 W35 | Nickel | 7440-02-0 | 5 | 2.1 | ug/L |
| 6010 W35 | Potassium | 7440-09-7 | 1000 | 150.4 | ug/L |
| 6010 W35 | Selenium | 7782-49-2 | 15 | 8.5 | ug/L |
| 6010 W35 | Zinc | 7440-66-6 | 20 | 11 | ug/L |
| 6010 W35 | Silver | 7440-22-4 | 5 | 1 | ug/L |
| 6010 W35 | Sodium | 7440-23-5 | 2000 | 272.7 | ug/L |
| 6010 W35 | Vanadium | 7440-62-2 | 10 | 1 | ug/L |
| 6010 W35 | Thallium | 7440-28-0 | 15 | 6.6 | ug/L |
| 6010 W35 | Tin | 7440-31-5 | 50 | 40.1 | ug/L |
| 6010 W35 | Strontium | 7440-24-6 | 10 | 0.73 | ug/L |
| 6010 W35 | Sulfur | | 200 | 16.7 | ug/L |
| 6010 W35 | Ca Hardness as CaCO3 (SM 2340B | | 1248 | 160.1 | ug/L |
| 6010 W35 | Mg Hardness as CaCO3 | | 2060 | 345.9 | ug/L |
| 6010 W35 | Tot Hardness asCaCO3 (SM | | 3208 | 506 | ug/L |
| 6010 W35 | Phosphorus | 7723-14-0 | 45 | 14 | ug/L |
| 6010 W35 | Titanium | 7440-32-6 | 100 | 38.4 | ug/L |
| 6010 W35 | Silicon | 7440-21-3 | 100 | 45.7 | ug/L |
| 6010 W35 | Silica | 7631-86-9 | 214 | 97.8 | ug/L |
| 6020 W35 | Aluminum | 7429-90-5 | 10 | 8.64 | ug/L |
| 6020 W35 | Antimony | 7440-36-0 | 1 | 0.5 | ug/L |
| 6020 W35 | Arsenic | 7440-38-2 | 1 | 0.5 | ug/L |
| 6020 W35 | Barium | 7440-39-3 | 1 | 0.5 | ug/L |
| 6020 W35 | Boron | 7440-42-8 | 5 | 2.5 | ug/L |
| 6020 W35 | Beryllium | 7440-41-7 | 0.1 | 0.0327 | ug/L |
| 6020 W35 | Cadmium | 7440-43-9 | 0.1 | 0.05 | ug/L |
| 6020 W35 | Chromium | 7440-47-3 | 1 | 0.5 | ug/L |
| 6020 W35 | Cobalt | 7440-48-4 | 1 | 0.244 | ug/L |
| 6020 W35 | Copper | 7440-50-8 | 1 | 0.93 | ug/L |
| 6020 W35 | Iron | 7439-89-6 | 10 | 6.37 | ug/L |
| 6020 W35 | Lead | 7439-92-1 | 1 | 0.221 | ug/L |
| 6020 W35 | Manganese | 7439-96-5 | 1 | 0.69 | ug/L |
| 6020 W35 | Molybdenum | 7439-98-7 | 1 | 0.5 | ug/L |
| 6020 W35 | Nickel | 7440-02-0 | 1 | 0.62 | ug/L |
| 6020 W35 | Selenium | 7782-49-2 | 2 | 1.23 | ug/L |
| 6020 W35 | Zinc | 7440-66-6 | 5 | 4.29 | ug/L |
| 6020 W35 | Silver | 7440-22-4 | 0.5 | 0.21 | ug/L |
| 6020 W35 | Vanadium | 7440-62-2 | 1 | 0.91 | ug/L |

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|---|---|---|---|---|---|
| 6020 W35 | Thallium | 7440-28-0 | 1 | 0.1066 | ug/L |
| 6020 W35 | Tin | 7440-31-5 | 5 | | ug/L |
| 6020 W35 | Strontium | 7440-24-6 | 1 | 0.5 | ug/L |
| 6020 W35 | Titanium | 7440-32-6 | 1 | 0.416 | ug/L |
| 608 PCB W | PCB-1016 (Aroclor 1016) | 12674-11-2 | 0.5 | 0.08 | ug/L |
| 608 PCB W | PCB-1221 (Aroclor 1221) | 11104-28-2 | 0.5 | 0.081 | ug/L |
| 608 PCB W | PCB-1232 (Aroclor 1232) | 11141-16-5 | 0.5 | 0.118 | ug/L |
| 608 PCB W | PCB-1242 (Aroclor 1242) | 53469-21-9 | 0.5 | 0.126 | ug/L |
| 608 PCB W | PCB-1248 (Aroclor 1248) | 12672-29-6 | 0.5 | 0.275 | ug/L |
| 608 PCB W | PCB-1254 (Aroclor 1254) | 11097-69-1 | 0.5 | 0.145 | ug/L |
| 608 PCB W | PCB-1260 (Aroclor 1260) | 11096-82-5 | 0.5 | 0.11 | ug/L |
| 608 PEST W | Aldrin | 309-00-2 | 0.08 | 0.0701 | ug/L |
| 608 PEST W | alpha-BHC | 319-84-6 | 0.01 | 0.0021 | ug/L |
| 608 PEST W | beta-BHC | 319-85-7 | 0.03 | 0.02 | ug/L |
| 608 PEST W | delta-BHC | 319-86-8 | 0.01 | 0.0048 | ug/L |
| 608 PEST W | gamma-BHC (Lindane) | 58-89-9 | 0.01 | 0.0022 | ug/L |
| 608 PEST W | Dieldrin | 60-57-1 | 0.03 | 0.002 | ug/L |
| 608 PEST W | Endosulfan I | 959-98-8 | 0.01 | 0.0051 | ug/L |
| 608 PEST W | Endosulfan II | 33213-65-9 | 0.01 | 0.004 | ug/L |
| 608 PEST W | Endrin | 72-20-8 | 0.01 | 0.0043 | ug/L |
| 608 PEST W | Heptachlor | 76-44-8 | 0.01 | 0.0062 | ug/L |
| 608 PEST W | Heptachlor epoxide | 1024-57-3 | 0.02 | 0.0157 | ug/L |
| 608 PEST W | 4,4'-DDE | 72-55-9 | 0.01 | 0.005 | ug/L |
| 608 PEST W | 4,4'-DDT | 50-29-3 | 0.01 | 0.0051 | ug/L |
| 608 PEST W | 4,4'-DDD | 72-54-8 | 0.01 | 0.0027 | ug/L |
| 608 PEST W | Chlordane (Technical) | 57-74-9 | 0.5 | 0.2461 | ug/L |
| 608 PEST W | Endosulfan sulfate | 1031-07-8 | 0.1 | 0.0062 | ug/L |
| 608 PEST W | Toxaphene | 8001-35-2 | 0.5 | 0.25 | ug/L |
| 608 PEST W | Endrin aldehyde | 7421-93-4 | 0.1 | 0.0036 | ug/L |
| 608 PEST W | Endrin ketone | 53494-70-5 | 0.01 | 0.005 | ug/L |
| 608 PEST W | alpha-Chlordane | 5103-71-9 | 0.01 | 0.0082 | ug/L |
| 608 PEST W | gamma-Chlordane | 5103-74-2 | 0.1 | 0.0904 | ug/L |
| 608 PEST W | Methoxychlor | 72-43-5 | 0.01 | 0.0042 | ug/L |
| 608 PEST W | Mirex | 2385-85-5 | 0.1 | 0.0032 | ug/L |
| 6241 W | Chloromethane | 74-87-3 | 3 | 0.97 | ug/L |
| 6241 W | Vinyl chloride | 75-01-4 | 1.5 | 0.39 | ug/L |
| 6241 W | Bromomethane | 74-83-9 | 12 | 4 | ug/L |
| 6241 W | Chloroethane | 75-00-3 | 12 | 3.73 | ug/L |
| 6241 W | Trichlorofluoromethane | 75-69-4 | 1.5 | 0.35 | ug/L |
| 6241 W | Methylene Chloride | 75-09-2 | 5 | 1 | ug/L |
| 6241 W | 1,1-Dichloroethene | 75-35-4 | 1 | 0.27 | ug/L |
| 6241 W | trans-1,2-Dichloroethene | 156-60-5 | 1 | 0.23 | ug/L |
| 6241 W | 1,1-Dichloroethane | 75-34-3 | 1 | 0.34 | ug/L |
| 6241 W | cis-1,2-Dichloroethene | 156-59-2 | 1 | 0.27 | ug/L |
| 6241 W | 1,2-Dichloroethene (Total) | 540-59-0 | 1 | 0.27 | ug/L |
| 6241 W | Chloroform | 67-66-3 | 1 | 0.32 | ug/L |
| 6241 W | 1,1,1-Trichloroethane | 71-55-6 | 1 | 0.3 | ug/L |
| 6241 W | Carbon tetrachloride | 56-23-5 | 4 | 1.14 | ug/L |
| 6241 W | Benzene | 71-43-2 | 1 | 0.3 | ug/L |
| 6241 W | 1,2-Dichloroethane | 107-06-2 | 1 | 0.21 | ug/L |
| 6241 W | Trichloroethene | 79-01-6 | 1.2 | 0.36 | ug/L |

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|---|---|---|---|---|---|
| 6241 W | 1,2-Dichloropropane | 78-87-5 | 1 | 0.23 | ug/L |
| 6241 W | Bromodichloromethane | 75-27-4 | 0.6 | 0.19 | ug/L |
| 6241 W | trans-1,3-Dichloropropene | 10061-02-6 | 0.6 | 0.17 | ug/L |
| 6241 W | Toluene | 108-88-3 | 1 | 0.33 | ug/L |
| 6241 W | cis-1,3-Dichloropropene | 10061-01-5 | 0.6 | 0.17 | ug/L |
| 6241 W | 1,1,2-Trichloroethane | 79-00-5 | 1 | 0.3 | ug/L |
| 6241 W | Tetrachloroethene | 127-18-4 | 1.5 | 0.38 | ug/L |
| 6241 W | Dibromochloromethane | 124-48-1 | 2 | 0.45 | ug/L |
| 6241 W | Chlorobenzene | 108-90-7 | 1.5 | 0.35 | ug/L |
| 6241 W | Ethylbenzene | 100-41-4 | 1 | 0.3 | ug/L |
| 6241 W | Xylene (Total) | 1330-20-7 | 6.5 | 2.06 | ug/L |
| 6241 W | Bromoform | 75-25-2 | 8 | 2.65 | ug/L |
| 6241 W | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.6 | 0.2 | ug/L |
| 6241 W | 1,3-Dichlorobenzene | 541-73-1 | 1 | 0.33 | ug/L |
| 6241 W | 1,4-Dichlorobenzene | 106-46-7 | 1 | 0.28 | ug/L |
| 6241 W | 1,2-Dichlorobenzene | 95-50-1 | 1 | 0.29 | ug/L |
| 6241 W | Acrolein | 107-02-8 | 20 | 6.19 | ug/L |
| 6241 W | Acrylonitrile | 107-13-1 | 12 | 3.69 | ug/L |
| 6241 W | 2-Chloroethylvinyl ether | 110-75-8 | 10 | 1.45 | ug/L |
| 6241 W | m&p-Xylene | 179601-23-1 | 6.5 | 2.06 | ug/L |
| 6241 W | o-Xylene | 95-47-6 | 1 | 0.27 | ug/L |
| 7470 W | Mercury | 7439-97-6 | 0.2 | 0.09 | ug/L |
| 8011 W | 1,2-Dibromoethane (EDB) | 106-93-4 | 0.01 | 0.0075 | ug/L |
| 8011 W | 1,2-Dibromo-3-chloropropane | 96-12-8 | 0.02 | 0.0064 | ug/L |
| 8081 W | alpha-BHC | 319-84-6 | 0.01 | 0.0021 | ug/L |
| 8081 W | gamma-BHC (Lindane) | 58-89-9 | 0.01 | 0.0022 | ug/L |
| 8081 W | beta-BHC | 319-85-7 | 0.03 | 0.02 | ug/L |
| 8081 W | Heptachlor | 76-44-8 | 0.01 | 0.0062 | ug/L |
| 8081 W | delta-BHC | 319-86-8 | 0.01 | 0.0048 | ug/L |
| 8081 W | Aldrin | 309-00-2 | 0.08 | 0.0701 | ug/L |
| 8081 W | Heptachlor epoxide | 1024-57-3 | 0.02 | 0.0157 | ug/L |
| 8081 W | Endosulfan I | 959-98-8 | 0.01 | 0.0051 | ug/L |
| 8081 W | 4,4'-DDE | 72-55-9 | 0.01 | 0.005 | ug/L |
| 8081 W | Dieldrin | 60-57-1 | 0.03 | 0.002 | ug/L |
| 8081 W | Endrin | 72-20-8 | 0.01 | 0.0043 | ug/L |
| 8081 W | 4,4'-DDD | 72-54-8 | 0.01 | 0.0027 | ug/L |
| 8081 W | Endosulfan II | 33213-65-9 | 0.01 | 0.004 | ug/L |
| 8081 W | 4,4'-DDT | 50-29-3 | 0.01 | 0.0051 | ug/L |
| 8081 W | Endrin aldehyde | 7421-93-4 | 0.1 | 0.0036 | ug/L |
| 8081 W | Endosulfan sulfate | 1031-07-8 | 0.1 | 0.0062 | ug/L |
| 8081 W | Methoxychlor | 72-43-5 | 0.01 | 0.0042 | ug/L |
| 8081 W | Endrin ketone | 53494-70-5 | 0.01 | 0.005 | ug/L |
| 8081 W | Chlordane (Technical) | 57-74-9 | 0.5 | 0.2461 | ug/L |
| 8081 W | Toxaphene | 8001-35-2 | 0.5 | 0.25 | ug/L |
| 8082 W | PCB-1016 (Aroclor 1016) | 12674-11-2 | 0.5 | 0.08 | ug/L |
| 8082 W | PCB-1221 (Aroclor 1221) | 11104-28-2 | 0.5 | 0.081 | ug/L |
| 8082 W | PCB-1232 (Aroclor 1232) | 11141-16-5 | 0.5 | 0.118 | ug/L |
| 8082 W | PCB-1242 (Aroclor 1242) | 53469-21-9 | 0.5 | 0.126 | ug/L |
| 8082 W | PCB-1248 (Aroclor 1248) | 12672-29-6 | 0.5 | 0.275 | ug/L |
| 8082 W | PCB-1254 (Aroclor 1254) | 11097-69-1 | 0.5 | 0.145 | ug/L |

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|---|---|---|---|---|---|
| 8082 W | PCB-1260 (Aroclor 1260) | 11096-82-5 | 0.5 | 0.11 | ug/L |
| 8260 W | 1,1,1,2-Tetrachloroethane | 630-20-6 | 1 | 0.32 | ug/L |
| 8260 W | 1,1,1-Trichloroethane | 71-55-6 | 1 | 0.3 | ug/L |
| 8260 W | 1,1,2,2-Tetrachloroethane | 79-34-5 | 0.5 | 0.2 | ug/L |
| 8260 W | 1,1,2-Trichloroethane | 79-00-5 | 1 | 0.3 | ug/L |
| 8260 W | 1,1-Dichloroethane | 75-34-3 | 1 | 0.34 | ug/L |
| 8260 W | 1,1-Dichloroethene | 75-35-4 | 1 | 0.27 | ug/L |
| 8260 W | 1,2,3-Trichloropropane | 96-18-4 | 2 | 1.1 | ug/L |
| 8260 W | 1,2,4-Trimethylbenzene | 95-63-6 | 1 | 0.24 | ug/L |
| 8260 W | 1,2-Dibromo-3- | 96-12-8 | 5 | 1.89 | ug/L |
| 8260 W | 1,2-Dibromoethane (EDB) | 106-93-4 | 1 | 0.31 | ug/L |
| 8260 W | 1,2-Dichlorobenzene | 95-50-1 | 1 | 0.29 | ug/L |
| 8260 W | 1,2-Dichloroethane | 107-06-2 | 1 | 0.27 | ug/L |
| 8260 W | 1,2-Dichloroethene (Total) | 540-59-0 | 1 | 0.27 | ug/L |
| 8260 W | 1,2-Dichloropropane | 78-87-5 | 1 | 0.23 | ug/L |
| 8260 W | 1,3,5-Trimethylbenzene | 108-67-8 | 1 | 0.24 | ug/L |
| 8260 W | 1,4-Dichlorobenzene | 106-46-7 | 1 | 0.28 | ug/L |
| 8260 W | 2-Butanone (MEK) | 78-93-3 | 10 | 7.49 | ug/L |
| 8260 W | 2-Hexanone | 591-78-6 | 10 | 0.85 | ug/L |
| 8260 W | 4-Methyl-2-pentanone | 108-10-1 | 10 | 0.32 | ug/L |
| 8260 W | Acetone | 67-64-1 | 20 | 5.27 | ug/L |
| 8260 W | Acetonitrile | 75-05-8 | 40 | 24.5 | ug/L |
| 8260 W | Benzene | 71-43-2 | 1 | 0.3 | ug/L |
| 8260 W | Bromochloromethane | 74-97-5 | 1 | 0.37 | ug/L |
| 8260 W | Bromodichloromethane | 75-27-4 | 0.6 | 0.19 | ug/L |
| 8260 W | Bromoform | 75-25-2 | 3 | 2.65 | ug/L |
| 8260 W | Bromomethane | 74-83-9 | 5 | 4 | ug/L |
| 8260 W | Carbon disulfide | 75-15-0 | 10 | 0.45 | ug/L |
| 8260 W | Carbon tetrachloride | 56-23-5 | 3 | 1.14 | ug/L |
| 8260 W | Chlorobenzene | 108-90-7 | 1 | 0.35 | ug/L |
| 8260 W | Chloroethane | 75-00-3 | 10 | 3.73 | ug/L |
| 8260 W | Chloroform | 67-66-3 | 1 | 0.32 | ug/L |
| 8260 W | Chloromethane | 74-87-3 | 1 | 0.97 | ug/L |
| 8260 W | cis-1,2-Dichloroethene | 156-59-2 | 1 | 0.27 | ug/L |
| 8260 W | cis-1,3-Dichloropropene | 10061-01-5 | 0.5 | 0.17 | ug/L |
| 8260 W | Dibromochloromethane | 124-48-1 | 2 | 0.45 | ug/L |
| 8260 W | Dibromomethane | 74-95-3 | 2 | 0.68 | ug/L |
| 8260 W | Ethylbenzene | 100-41-4 | 1 | 0.3 | ug/L |
| 8260 W | Iodomethane | 74-88-4 | 10 | 9.34 | ug/L |
| 8260 W | Isopropylbenzene | 98-82-8 | 1 | 0.3 | ug/L |
| 8260 W | Methylene Chloride | 75-09-2 | 5 | 1.98 | ug/L |
| 8260 W | Methyl-tert-butyl ether | 1634-04-4 | 2 | 0.51 | ug/L |
| 8260 W | Styrene | 100-42-5 | 1 | 0.26 | ug/L |
| 8260 W | Tetrachloroethene | 127-18-4 | 1 | 0.38 | ug/L |
| 8260 W | Toluene | 108-88-3 | 1 | 0.33 | ug/L |
| 8260 W | trans-1,2-Dichloroethene | 156-60-5 | 1 | 0.23 | ug/L |
| 8260 W | trans-1,3-Dichloropropene | 10061-02-6 | 0.5 | 0.17 | ug/L |
| 8260 W | trans-1,4-Dichloro-2-butene | 110-57-6 | 10 | 2.5 | ug/L |
| 8260 W | Trichloroethene | 79-01-6 | 1 | 0.36 | ug/L |
| 8260 W | Trichlorofluoromethane | 75-69-4 | 1 | 0.35 | ug/L |
| 8260 W | Vinyl acetate | 108-05-4 | 10 | 0.19 | ug/L |

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|---|---|---|---|---|---|
| 8260 W | Vinyl chloride | 75-01-4 | 1 | 0.39 | ug/L |
| 8260 W | m&p-Xylene | 179601-23-1 | 4 | 2.06 | ug/L |
| 8260 W | o-Xylene | 95-47-6 | 1 | 0.27 | ug/L |
| 8260 W | Xylene (Total) | 1330-20-7 | 5 | 2.06 | ug/L |
| 8270 PAHLV | Naphthalene | 91-20-3 | 2 | 0.292 | ug/L |
| 8270 PAHLV | Naphthalene | 91-20-3 | 2 | 0.292 | ug/L |
| 8270 PAHLV | 2-Methylnaphthalene | 91-57-6 | 2 | 0.684 | ug/L |
| 8270 PAHLV | 2-Methylnaphthalene | 91-57-6 | 2 | 0.684 | ug/L |
| 8270 PAHLV | 1-Methylnaphthalene | 90-12-0 | 2 | 0.193 | ug/L |
| 8270 PAHLV | 1-Methylnaphthalene | 90-12-0 | 2 | 0.193 | ug/L |
| 8270 PAHLV | Acenaphthylene | 208-96-8 | 0.5 | 0.0305 | ug/L |
| 8270 PAHLV | Acenaphthylene | 208-96-8 | 0.5 | 0.0305 | ug/L |
| 8270 PAHLV | Acenaphthene | 83-32-9 | 0.5 | 0.0398 | ug/L |
| 8270 PAHLV | Acenaphthene | 83-32-9 | 0.5 | 0.0398 | ug/L |
| 8270 PAHLV | Fluorene | 86-73-7 | 0.5 | 0.0875 | ug/L |
| 8270 PAHLV | Fluorene | 86-73-7 | 0.5 | 0.0875 | ug/L |
| 8270 PAHLV | Phenanthrene | 85-01-8 | 0.5 | 0.1582 | ug/L |
| 8270 PAHLV | Phenanthrene | 85-01-8 | 0.5 | 0.1582 | ug/L |
| 8270 PAHLV | Anthracene | 120-12-7 | 0.5 | 0.0432 | ug/L |
| 8270 PAHLV | Anthracene | 120-12-7 | 0.5 | 0.0432 | ug/L |
| 8270 PAHLV | Fluoranthene | 206-44-0 | 0.5 | 0.018 | ug/L |
| 8270 PAHLV | Fluoranthene | 206-44-0 | 0.5 | 0.018 | ug/L |
| 8270 PAHLV | Pyrene | 129-00-0 | 0.5 | 0.0321 | ug/L |
| 8270 PAHLV | Pyrene | 129-00-0 | 0.5 | 0.0321 | ug/L |
| 8270 PAHLV | Benzo(a)anthracene | 56-55-3 | 0.1 | 0.0554 | ug/L |
| 8270 PAHLV | Benzo(a)anthracene | 56-55-3 | 0.1 | 0.0554 | ug/L |
| 8270 PAHLV | Chrysene | 218-01-9 | 0.5 | 0.0255 | ug/L |
| 8270 PAHLV | Chrysene | 218-01-9 | 0.5 | 0.0255 | ug/L |
| 8270 PAHLV | Benzo(a)pyrene | 50-32-8 | 0.2 | 0.123 | ug/L |
| 8270 PAHLV | Benzo(a)pyrene | 50-32-8 | 0.2 | 0.123 | ug/L |
| 8270 PAHLV | Benzo(b)fluoranthene | 205-99-2 | 0.1 | 0.0267 | ug/L |
| 8270 PAHLV | Benzo(b)fluoranthene | 205-99-2 | 0.1 | 0.0267 | ug/L |
| 8270 PAHLV | Indeno(1,2,3-cd)pyrene | 193-39-5 | 0.15 | 0.1214 | ug/L |
| 8270 PAHLV | Indeno(1,2,3-cd)pyrene | 193-39-5 | 0.15 | 0.1214 | ug/L |
| 8270 PAHLV | Dibenz(a,h)anthracene | 53-70-3 | 0.15 | 0.1294 | ug/L |
| 8270 PAHLV | Dibenz(a,h)anthracene | 53-70-3 | 0.15 | 0.1294 | ug/L |
| 8270 PAHLV | Benzo(g,h,i)perylene | 191-24-2 | 0.5 | 0.147 | ug/L |
| 8270 PAHLV | Benzo(g,h,i)perylene | 191-24-2 | 0.5 | 0.147 | ug/L |
| 8270 PAHLV | Benzo(k)fluoranthene | 207-08-9 | 0.5 | 0.1599 | ug/L |
| 8270 PAHLV | Benzo(k)fluoranthene | 207-08-9 | 0.5 | 0.1599 | ug/L |
| 8270 WSEP | Phenol | 108-95-2 | 5 | 0.63 | ug/L |
| 8270 WSEP | bis(2-Chloroethyl) ether | 111-44-4 | 4 | 0.34 | ug/L |
| 8270 WSEP | 2-Chlorophenol | 95-57-8 | 5 | 1.35 | ug/L |
| 8270 WSEP | 1,3-Dichlorobenzene | 541-73-1 | 5 | 1.52 | ug/L |
| 8270 WSEP | 1,4-Dichlorobenzene | 106-46-7 | 5 | 1.54 | ug/L |
| 8270 WSEP | 1,2-Dichlorobenzene | 95-50-1 | 5 | 1.53 | ug/L |
| 8270 WSEP | 2-Methylphenol(o-Cresol) | 95-48-7 | 5 | 0.3 | ug/L |
| 8270 WSEP | bis(2-Chloroisopropyl) ether | 108-60-1 | 6 | 1.79 | ug/L |
| 8270 WSEP | 3&4-Methylphenol(m&p | | 10 | 0.22 | ug/L |
| 8270 WSEP | N-Nitroso-di-n-propylamine | 621-64-7 | 4 | 0.33 | ug/L |
| 8270 WSEP | Hexachloroethane | 67-72-1 | 5 | 1.37 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 8270 WSEP | Nitrobenzene | 98-95-3 | 4 | 0.37 | ug/L |
| 8270 WSEP | Isophorone | 78-59-1 | 5 | 1.67 | ug/L |
| 8270 WSEP | 2-Nitrophenol | 88-75-5 | 5 | 1.36 | ug/L |
| 8270 WSEP | 2,4-Dimethylphenol | 105-67-9 | 5 | 1.03 | ug/L |
| 8270 WSEP | 2,4-Dichlorophenol | 120-83-2 | 2 | 0.34 | ug/L |
| 8270 WSEP | 1,2,4-Trichlorobenzene | 120-82-1 | 5 | 1.43 | ug/L |
| 8270 WSEP | Naphthalene | 91-20-3 | 5 | 0.39 | ug/L |
| 8270 WSEP | 4-Chloroaniline | 106-47-8 | 5 | 1.41 | ug/L |
| 8270 WSEP | Hexachloro-1,3-butadiene | 87-68-3 | 2 | 0.35 | ug/L |
| 8270 WSEP | 4-Chloro-3-methylphenol | 59-50-7 | 20 | 5.41 | ug/L |
| 8270 WSEP | 2-Methylnaphthalene | 91-57-6 | 5 | 0.28 | ug/L |
| 8270 WSEP | Hexachlorocyclopentadiene | 77-47-4 | 11 | 3.43 | ug/L |
| 8270 WSEP | 2,4,6-Trichlorophenol | 88-06-2 | 2 | 0.36 | ug/L |
| 8270 WSEP | 2,4,5-Trichlorophenol | 95-95-4 | 4 | 0.23 | ug/L |
| 8270 WSEP | 2-Chloronaphthalene | 91-58-7 | 5 | 0.34 | ug/L |
| 8270 WSEP | 2-Nitroaniline | 88-74-4 | 5 | 1.29 | ug/L |
| 8270 WSEP | Dimethylphthalate | 131-11-3 | 5 | 1.42 | ug/L |
| 8270 WSEP | Acenaphthylene | 208-96-8 | 5 | 0.3 | ug/L |
| 8270 WSEP | 2,6-Dinitrotoluene | 606-20-2 | 2 | 0.28 | ug/L |
| 8270 WSEP | 3-Nitroaniline | 99-09-2 | 5 | 1.29 | ug/L |
| 8270 WSEP | Acenaphthene | 83-32-9 | 5 | 0.36 | ug/L |
| 8270 WSEP | 2,4-Dinitrophenol | 51-28-5 | 20 | 2.65 | ug/L |
| 8270 WSEP | 4-Nitrophenol | 100-02-7 | 20 | 1.95 | ug/L |
| 8270 WSEP | Dibenzofuran | 132-64-9 | 5 | 1.47 | ug/L |
| 8270 WSEP | 2,4-Dinitrotoluene | 121-14-2 | 4 | 0.27 | ug/L |
| 8270 WSEP | Diethylphthalate | 84-66-2 | 5 | 1.41 | ug/L |
| 8270 WSEP | 4-Chlorophenylphenyl ether | 7005-72-3 | 5 | 1.44 | ug/L |
| 8270 WSEP | Fluorene | 86-73-7 | 5 | 0.34 | ug/L |
| 8270 WSEP | 4-Nitroaniline | 100-01-6 | 4 | 0.19 | ug/L |
| 8270 WSEP | 4,6-Dinitro-2-methylphenol | 534-52-1 | 20 | 4.58 | ug/L |
| 8270 WSEP | N-Nitrosodiphenylamine | 86-30-6 | 5 | 1.21 | ug/L |
| 8270 WSEP | 4-Bromophenylphenyl ether | 101-55-3 | 5 | 1.66 | ug/L |
| 8270 WSEP | Hexachlorobenzene | 118-74-1 | 1 | 0.29 | ug/L |
| 8270 WSEP | Pentachlorophenol | 87-86-5 | 20 | 1.65 | ug/L |
| 8270 WSEP | Phenanthrene | 85-01-8 | 5 | 0.23 | ug/L |
| 8270 WSEP | Anthracene | 120-12-7 | 5 | 0.22 | ug/L |
| 8270 WSEP | Di-n-butylphthalate | 84-74-2 | 5 | 1.06 | ug/L |
| 8270 WSEP | Fluoranthene | 206-44-0 | 5 | 0.21 | ug/L |
| 8270 WSEP | Pyrene | 129-00-0 | 5 | 0.21 | ug/L |
| 8270 WSEP | Butylbenzylphthalate | 85-68-7 | 5 | 1.12 | ug/L |
| 8270 WSEP | 3,3'-Dichlorobenzidine | 91-94-1 | 10 | 1.05 | ug/L |
| 8270 WSEP | Benzo(a)anthracene | 56-55-3 | 5 | 0.2 | ug/L |
| 8270 WSEP | Chrysene | 218-01-9 | 5 | 0.2 | ug/L |
| 8270 WSEP | bis(2-Ethylhexyl)phthalate | 117-81-7 | 5 | 1.12 | ug/L |
| 8270 WSEP | Di-n-octylphthalate | 117-84-0 | 5 | 0.92 | ug/L |
| 8270 WSEP | Benzo(b)fluoranthene | 205-99-2 | 2 | 0.27 | ug/L |
| 8270 WSEP | Benzo(k)fluoranthene | 207-08-9 | 4 | 0.18 | ug/L |
| 8270 WSEP | Benzo(a)pyrene | 50-32-8 | 1 | 0.17 | ug/L |
| 8270 WSEP | Indeno(1,2,3-cd)pyrene | 193-39-5 | 2 | 0.17 | ug/L |
| 8270 WSEP | Dibenz(a,h)anthracene | 53-70-3 | 2 | 0.18 | ug/L |
| 8270 WSEP | Benzo(g,h,i)perylene | 191-24-2 | 5 | 0.17 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 8270 WSEP | Carbazole | 86-74-8 | 5 | 1.11 | ug/L |
| 8270 WSEP | Caprolactam | 105-60-2 | 5 | 0.4 | ug/L |
| 8270 WSEP | 2,3,4,6-Tetrachlorophenol | 58-90-2 | 5 | 1.05 | ug/L |
| 8270 WSEP | 1,2-Diphenylhydrazine | 122-66-7 | 5 | 1.4 | ug/L |
| 8270 WSEP | Aniline | 62-53-3 | 5 | 0.94 | ug/L |
| 8270 WSEP | Benzidine | 92-87-5 | 25 | 0.87 | ug/L |
| 8270 WSEP | bis(2- | 111-91-1 | 5 | 1.62 | ug/L |
| 8270 WSEP | N-Nitrosodimethylamine | 62-75-9 | 2 | 0.2 | ug/L |
| 8270 WSEP | Pyridine | 110-86-1 | 5 | 1.12 | ug/L |
| 8270 WSEP | 1-Methylnaphthalene | 90-12-0 | 5 | 0.36 | ug/L |
| 8270 WSEP | 2,3,5,6-Tetrachlorophenol | 935-95-5 | 9 | 1.86 | ug/L |
| 8270 WSEP | 1,2-Dinitrobenzene | 528-29-0 | 6 | 1.91 | ug/L |
| 8270 WSEP | 1,3-Dinitrobenzene | 99-65-0 | 8 | 1.15 | ug/L |
| 8270 WSEP | Benzyl alcohol | 100-51-6 | 5 | 1.26 | ug/L |
| 9012 W | Cyanide | 57-12-5 | 0.01 | 0.005 | mg/L |
| 9040 W | pH at 25 Degrees C | | 0.1 | 0.1 | Std. Units |
| 9056 W | Bromide | 24959-67-9 | 0.1 | 0.0362 | mg/L |
| 9056 W | Chloride | 16887-00-6 | 5 | 2.5 | mg/L |
| 9056 W | Fluoride | 16984-48-8 | 0.05 | 0.0146 | mg/L |
| 9056 W | Sulfate | 14808-79-8 | 5 | 2.5 | mg/L |
| 9066 W2 | Phenolics, Total | | 0.01 | 0.005 | mg/L |
| 9222D | Fecal Coliforms | | 1 | 1 | CFU/100 mL |
| CHLA W | Chlorophyll a | | 5 | 1.01 | mg/m3 |
| CHLA W | Chlorophyll b | | 5 | 1.01 | mg/m3 |
| CHLA W | Chlorophyll c | | 5 | 1.01 | mg/m3 |
| CHLA W | Chlorophyll a (Corrected) | | 5 | 1.01 | mg/m3 |
| CHLA W | Pheophytin | | 5 | 1.01 | mg/m3 |
| FLPRO WLV | Petroleum Range Organics | | 1 | 0.8 | mg/L |
| TPHCWGWT | Aromatic (>C05-C07) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aromatic (>C07-C08) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aromatic (>C08-C10) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aromatic (>C10-C12) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aromatic (>C12-C16) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aromatic (>C16-C21) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aromatic (>C21-C35) | | 100 | 0.35 | mg/L |
| TPHCWGWT | Aliphatic (>C05-C06) | | 74 | 0.259 | mg/L |
| TPHCWGWT | Aliphatic (>C06-C08) | | 74 | 0.259 | mg/L |
| TPHCWGWT | Aliphatic (>C08-C10) | | 74 | 0.259 | mg/L |
| TPHCWGWT | Aliphatic (>C10-C12) | | 74 | 0.259 | mg/L |
| TPHCWGWT | Aliphatic (>C12-C16) | | 74 | 0.259 | mg/L |
| TPHCWGWT | Aliphatic (>C16-C35) | | 74 | 0.259 | mg/L |
| TPHCWGWT | TPH Total (C05-C35) | | 100 | 0.35 | mg/L |
| 625 W | 1,2,4-Trichlorobenzene | 120-82-1 | 5 | 0.98 | ug/L |
| 625 W | 2,4,6-Trichlorophenol | 88-06-2 | 10 | 1.3 | ug/L |
| 625 W | 2,4-Dichlorophenol | 120-83-2 | 5 | 1.7 | ug/L |
| 625 W | 2,4-Dimethylphenol | 105-67-9 | 10 | 1.2 | ug/L |
| 625 W | 2,4-Dinitrophenol | 51-28-5 | 50 | 9 | ug/L |
| 625 W | 2,4-Dinitrotoluene | 121-14-2 | 5 | 0.9 | ug/L |
| 625 W | 2,6-Dinitrotoluene | 606-20-2 | 5 | 0.98 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 625 W | 2-Chloronaphthalene | 91-58-7 | 5 | 0.98 | ug/L |
| 625 W | 2-Chlorophenol | 95-57-8 | 5 | 1.3 | ug/L |
| 625 W | 2-Nitrophenol | 88-75-5 | 5 | 0.91 | ug/L |
| 625 W | 3,3'-Dichlorobenzidine | 91-94-1 | 25 | 2.1 | ug/L |
| 625 W | 4,6-Dinitro-2-methylphenol | 534-52-1 | 20 | 2.6 | ug/L |
| 625 W | 4-Bromophenylphenyl ether | 101-55-3 | 5 | 0.82 | ug/L |
| 625 W | 4-Chloro-3-methylphenol | 59-50-7 | 5 | 3.7 | ug/L |
| 625 W | 4-Chlorophenylphenyl ether | 7005-72-3 | 5 | 0.87 | ug/L |
| 625 W | 4-Nitrophenol | 100-02-7 | 50 | 4.1 | ug/L |
| 625 W | Acenaphthene | 83-32-9 | 5 | 0.25 | ug/L |
| 625 W | Acenaphthylene | 208-96-8 | 5 | 0.21 | ug/L |
| 625 W | Anthracene | 120-12-7 | 5 | 0.14 | ug/L |
| 625 W | Butylbenzylphthalate | 85-68-7 | 5 | 0.79 | ug/L |
| 625 W | Benzo(k)fluoranthene | 207-08-9 | 5 | 0.43 | ug/L |
| 625 W | Benzo(g,h,i)perylene | 191-24-2 | 5 | 0.38 | ug/L |
| 625 W | Benzo(a)anthracene | 56-55-3 | 5 | 0.33 | ug/L |
| 625 W | Benzo(b)fluoranthene | 205-99-2 | 5 | 0.28 | ug/L |
| 625 W | Benzo(a)pyrene | 50-32-8 | 5 | 0.3 | ug/L |
| 625 W | bis(2- | 111-91-1 | 10 | 0.92 | ug/L |
| 625 W | bis(2-Chloroethyl) ether | 111-44-4 | 5 | 1 | ug/L |
| 625 W | bis(2-Ethylhexyl)phthalate | 117-81-7 | 5 | 0.79 | ug/L |
| 625 W | Chrysene | 218-01-9 | 5 | 0.21 | ug/L |
| 625 W | Dibenz(a,h)anthracene | 53-70-3 | 5 | 0.55 | ug/L |
| 625 W | Dimethylphthalate | 131-11-3 | 5 | 0.76 | ug/L |
| 625 W | Di-n-butylphthalate | 84-74-2 | 5 | 0.75 | ug/L |
| 625 W | Di-n-octylphthalate | 117-84-0 | 5 | 0.66 | ug/L |
| 625 W | Diethylphthalate | 84-66-2 | 5 | 0.58 | ug/L |
| 625 W | Fluorene | 86-73-7 | 5 | 0.21 | ug/L |
| 625 W | Fluoranthene | 206-44-0 | 5 | 0.21 | ug/L |
| 625 W | Hexachloro-1,3-butadiene | 87-68-3 | 5 | 0.94 | ug/L |
| 625 W | Hexachlorobenzene | 118-74-1 | 5 | 0.72 | ug/L |
| 625 W | Hexachlorocyclopentadiene | 77-47-4 | 10 | 0.88 | ug/L |
| 625 W | Hexachloroethane | 67-72-1 | 5 | 1.1 | ug/L |
| 625 W | Indeno(1,2,3-cd)pyrene | 193-39-5 | 5 | 0.29 | ug/L |
| 625 W | Isophorone | 78-59-1 | 10 | 0.89 | ug/L |
| 625 W | Naphthalene | 91-20-3 | 5 | 0.34 | ug/L |
| 625 W | N-Nitroso-di-n-propylamine | 621-64-7 | 5 | 0.99 | ug/L |
| 625 W | Nitrobenzene | 98-95-3 | 5 | 1.1 | ug/L |
| 625 W | N-Nitrosodimethylamine | 62-75-9 | 5 | 0.91 | ug/L |
| 625 W | N-Nitrosodiphenylamine | 86-30-6 | 10 | 1 | ug/L |

| | | | | | |
|---|---|---|---|---|---|
| 625 W | Phenol | 108-95-2 | 5 | 1.9 | ug/L |
| 625 W | Phenanthrene | 85-01-8 | 5 | 0.22 | ug/L |
| 625 W | Pentachlorophenol | 87-86-5 | 10 | 4.6 | ug/L |
| 625 W | Pyrene | 129-00-0 | 5 | 0.19 | ug/L |
| 625 W | 2,2'-Oxybis(1- | 108-60-1 | 5 | 0.95 | ug/L |
| 625 W | 1,2-diphenylhydrazone | 122-67-7 | 5 | 0.9 | ug/L |
| 625 W | Benzadine | 92-87-5 | 50 | 501 | ug/L |
| | | | | | |
| Benchmark EA MDL/PQL for Thallium | | | | | |
| 200.9 | Thallium | | 1.168 | 0.292 | ug/L |

ADDENDEM NO. 1

June 2, 2020

**TO:** Prospective Bidders and Others Concerned.

**SUBJECT:** Addendum # 1 **BID 2020-23 LABORATORY TESTING SERVICES**

**NOTE:** This addendum consists of the following documents. It is the Contractor's responsibility to ensure that all documents have been downloaded and reviewed prior to submitting bids on the work.

**TO ALL BIDDERS**: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**The Project Manual shall be amended as follows:**

**Item 1:** Please delete "Pages 9 through 12 of 33" from the "Invitation to Bid" and replace it with "Pages 9R through 12R of 33."

**Item 2:** Please delete "Pages 15 through 19 of 33" from the "Invitation to Bid" and replace it with "Pages 15R through 19R of 33."

**Item 3:** A copy of the Florida Department of Environmental Protection Wastewater Treatment Plant Operating Permit, signed on May 8, 2020, is provided with this addendum.

**Item 4:** A copy of the Bid Form submitted by Pace Analytical for Bid No. 2015-34 is provided with this addendum. This unit price contract served as the basis of award with the current vendor.

**Item 5:** The following additional information is being provided in response to inquiries received.

**Question 1**: In section Reuse Effluent Analysis, are we supposed to only price out the methods and tests you list or does this include the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods? Does this require Asbestos and Dioxin?
**Answer 1**: The bid includes the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 2:** In section Wastewater, are you looking for the full Primary and Secondary Drinking Water Standards? Does this include Asbestos and Dioxin?
**Answer 2:** The reference to Primary and Secondary Drinking Water Standards has been removed from this section of the Itemized Bid sheet. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 3:** In section Water, Primary Organics, does this include Asbestos?
Who is the most recent provider of these services to the City and what is currently being paid?
**Answer 3:** No, Asbestos is not included. The current provider of Laboratory Services is Pace Analytical. A copy of their original bid submittal is provided as an attachment to this addendum.

**Question 4:** In section Water, Regulated SOCs, does this include Dioxin?
**Answer 4:** No, Dioxin is not included.

**Question 5:** For the Subcontractors, the bid states the following: Subcontract labs, if any, shall be required to submit information in items "a - c" and "e - g." These sections include a lot of information from the subcontractors. For the Quality Manual of the sublabs, can we submit their cover page only with all signatures?
**Answer 5:** Subcontractor Labs must provide the information in items "a-c" and "e-g." A submission of a cover page with signatures will not comply with the requirements.

**Question 6:** Item #2. Bid Requirements states the following: "b. A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall be shall be firm for the duration of the contract." Are we to submit, in addition to the bid document pricing, our standard pricelist? Can we submit the additional pricelist and another document with our MDLs for all parameters we are certified for? We do not have a document that list all analytes, individual prices for each analyte and the MDLs all on one page.
**Answer 6:** Bidders are not asked nor required to submit a separate standard pricelist. However, as additional supplemental information, bidders may, if they so choose, submit an additional price list and any other documents deemed appropriate to accompany the company's MDLs for any and all parameters for which the company is certified.

**Question 7:** Are we required to submit a Performance Bond (Bid Bond) for the City of Ormond Beach BID No. 2020-23; LABORATORY TESTING SERVICES ITB? Is there a percentage amount to be submitted for this ITB?
**Answer 7:** No Bid Bond shall be required with this Bid. No Performance Bond shall be required with this Bid.

**Question 8**: Could you tell us who the current incumbent is and what is the current contract pricing?
**Answer 8**: Pace Analytical is the current Lab Services provider. A copy of their Unit Price Submittal from the original bid award is included.

**Question 9:** With Weekend work being a potential can the city add a few line items to the pricing sheet? Line items for weekend Fecal coliform, weekend courier and a line for any other weekend parameter with a percentage mark up for weekend work.
**Answer 9:** Minimum laboratory requirements have been revised to state "The contract lab shall be available a minimum of 7 days per week." The bid form shall not be revised to accommodate the request.

**Question 10:** Can the city confirm a subcontractor is one that is outside the bidding company and not another location for the same company?
**Answer 10:** Please consider this response as an affirmative confirmation that a secondary office of the contractor is not regarded as a subcontractor.

**Question 11:** In the insurance section page 28 of 33 section 4 Service Bond. Could this provision be removed, or could the language be changed to allow for a letter of credit or other type of assurance instead?
**Answer 11:** No, the City is unwilling to remove this provision from these bid documents. However, for clarification, please be advised that the contract does not require a bid bond and does not require a performance bond. (Refer to Question 7)

**Question 12:** Can the requirement for providing claim information be removed from the insurance section?
**Answer 12:** No, the City standard requirement for providing claim information shall not be altered with these bid documents.

**Question 13:** Would it be possible to remove the requirement in the insurance section D3 on page 32 of 33 stating that "If requested by the City, the contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements"?
**Answer 13:** No, the referenced clause in the City standard documents will not be changed at this time. Specifically, the requirement to furnish complete copies of the Contractor's insurance policies, forms and endorsements, if requested, remains in effect.

**Question 14:** In the draft agreement page #5 b. This Agreement may not be terminated by the contractor.: Would the City please remove this provision in favor of both parties being able to terminate for default, etc.?
**Answer 14:** The Bid Documents will not be changed at this time. However, please note that under the Section entitled Contract Duration, either party may provide a written notice of non-renewal ninety calendar days prior to the Contract expiration date.

**Question 15:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: Are the parameters for the Primary & Secondary Drinking Water Standard methods listed in the bid sheet table the only methods and parameters required, or it is the full primary and secondary?
**Answer 15:** The bid includes the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods as required by the permit. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 16:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: If the full primary and secondary is needed are Asbestos and Dioxin required for this section?
**Answer 16:** The bid includes the full Primary and Secondary Drinking Water Standards, as well as the other tests and methods. Asbestos and Dioxin are not included and are not part of our current permit. (A copy of the latest operating permit is provided with this addendum.)

**Question 17:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: Can the city please list the tables needed for this section?

**Answer 17:** A copy of the latest operating permit is provided with this addendum.

**Question 18:** Page 15 of 33 Price Sheet Reuse Effluent Analysis: Are color and odor needed for this section?
**Answer 18:** A copy of the latest operating permit is provided with this addendum.

**Question 19:** Page 15 of 33 Industrial Pre-Treatment section: The TTO only includes the 624, 625 and 608 is that correct?
**Answer 19:** 624, 625 & 608 are inclusive but not exclusive of other relevant applicable methods. Please refer to the Treatment Plant Operating Permit provided with this addendum.

**Question 20:** Page 16 Wastewater section: Primary and Secondary. Are tables 1-6 of 62-550 the only required tables and are asbestos and dioxin required?
**Answer 20:** Asbestos and Dioxin are not included and are not part of our current permit. A copy of the latest operating permit is provided with this addendum, and shall be referenced by prospective bidders.

**Question 21:** Page 16 Wastewater section: Primary and Secondary. Can the city please list the tables required minus any parameters that are not needed?
**Answer 21:** Please refer to the Treatment Plant Operating Permit provided with this addendum.

**Question 22:** Page 18 Water Section: Analytical Groups /Calculation Primary Inorganics: does this include asbestos?
**Answer 22:** Asbestos is not included.

**Question 23:** Page 18 Water Section: Analytical Groups /Calculation Regulated SOCs: does this include dioxin?
**Answer 23:** Dioxin is not included.

Question 24: Page 18 for Thallium: Can 200.8 be used?
**Answer 22:** For bidding purposes, please use the method specified.

**In all other respects, except as specifically stated herein, the subject BID 2020-23 Laboratory Testing Services remains unchanged.**

**THIS ADDEDNDUM MUST BE ACKNOWLEDGED AND RETURNED WITH YOUR BID**

**COMPANY NAME: _____**

**SIGNATURE: _____DATE:_____**

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

The foregoing changes are hereby incorporated into the Bidding Contract Documents for CITY OF ORMOND BEACH– BID 2020-23 LABORATORY TESTING SERVICES, for the City of Ormond Beach.

City of Ormond Beach, Florida

**END OF ADDENDUM NO. 1**

**SCOPE OF WORK:**

**GENERAL**

The City of Ormond Beach invites qualified laboratories to submit Bid for an annual contract for Laboratory Testing Services. The successful contractor will be required to provide not less than 90% of the analyses noted in the Bid. **Lab results provided in this contract must be from a laboratory certified by the State of Florida.**

## 1. Minimum Requirements for the Contract Laboratory

Interested laboratories are requested to specifically meet or exceed the following minimum specifications:

a. The cost of all sample containers, paperwork, coolers, shipping kits, and preservatives will be included in the cost of the sample analysis.

b. The Contract Laboratory will pay shipping charges to and from designated City pickup locations. A local contact shall be designated for pickup of samples if requested.

c. The Contract Laboratory shall be required to provide pickup of samples 7 days per week with a minimum of 8 hours of advance notification from the City. There shall be no additional charge for meeting these requirements.

d. The Contract Laboratory shall be available a minimum of 7 days per week.

e. The report delivery times for routine parameter testing must not exceed 14 calendar days. Electronic reporting in PDF or any similar format is acceptable for meeting this turn-around requirement. Hard copies of reports are to be provided upon request for wastewater test results in addition to electronic reports. Water test results will require hard copies and electronic copies. Exceptions would be granted for those analytes that require more than 14 calendar days for the analyses to be completed.

f. Report formats are to be in a standard lab format that meets NELAC requirements. In addition, special report formats include EPA, Florida Department of Environmental Protection, and Volusia County Health Department formats. The laboratory may be asked to also furnish copies of raw data records sheets, result calculations, etc. for any samples submitted. All report formats are to include a copy of the Chain-of-Custody (COC) form submitted with the samples. The laboratory and any of its subcontractors must participate in EPA's Annual DMR-QA studies and report required analytes corresponding to the Ormond Beach WRF.

g. The City of Ormond Beach is to be notified prior to sending any parameter to any subcontract laboratory. It is the intent of the City that all analysis be performed by the contract laboratory to the maximum extent feasible. PERCENTAGE OF SUBCONTRACTED WORK MAY NOT EXCEED TEN PERCENT (10%) of the samples **(the 10% limit refers to the number of samples, not to the cost per sample)**.

h. All analytical methods used for analysis will be state and EPA approved methodologies as specified in NELAC requirements. These methodologies can be, but are not limited to "Standard Methods", "Manual for the Certification of Laboratories Analyzing Drinking Water", "Test Methods for the Evaluation of Solid Waste (SE-846)", "EPA POTW Sludge Sampling and Analysis Guidance Document", and Radiochemical methodologies as stated in Federal Register 40 CFR 141. Methodologies used and the MDL must be accepted by the regulatory agency requiring the samples. Oil and Grease must be analyzed using the Hexane Extraction Method.

i. A specific person shall be designated for contact with the City of Ormond Beach for consultation services either by phone or in person, if necessary.

j. Laboratory personnel must be qualified in giving testimony, depositions or court appearances if requested by the City.

k. The laboratory will have the capability to analyze samples with the following matrices: potable water, reclaimed water, wastewater, groundwater, surface water and liquid/cake biosolids.

l. At a minimum, all analytical runs of the City of Ormond Beach samples will be required to include QC checks on 10% of the samples analyzed. The QC checks must meet the stricter of method, and/or NELAC quality assurance criteria. The QC generated will be submitted with the sample report. Contract laboratory QC will be monitored using these reports as well.

m. The laboratory shall have no service contracts that were cancelled in the previous five years due to failure to provide accurate testing results.

n. The City of Ormond Beach and its staff reserve the right to visit the Contract Laboratory for a tour of the facility, both prior to the award and during the duration of the contract. Prior to visiting the Laboratory facility, the City shall provide no less than 4 days, but no more than 7 days, advance notice to the facility.

In the event the Laboratory fails to comply with the reporting and analytical requirements set forth herein, the City of Ormond Beach shall issue to the Laboratory a written warning describing such failure. Should the Laboratory's noncompliance continue for four (4) consecutive weeks, with written warnings, the City of Ormond Beach will have the option to deduct from the invoice of reports not meeting the requirement an amount equal to

10% of the invoice total. If non-compliance with the 14 calendar day turn-around time continues for eight (8) consecutive weeks, with written warnings, the City of Ormond Beach will have the option to deduct from the invoice of reports an amount equal to 20% of the invoice total. Persistent and repeated failure of the laboratory to comply with this 14 calendar day turn-around time in any 3 month interval may be interpreted as default for the purposes of this section.

## 2. Bid Requirements/ Information to be Provided with Bidder's Submission

a. Copies of current State, NELAP, and EPA certifications or other documentation that firmly establishes, to the satisfaction of the City, the certification status of the laboratory for all listed parameters must be submitted with your Bid.

b. A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall be shall be firm for the duration of the contract.

c. One (1) copy of the laboratory NELAC compliant "Quality Manual" shall be provided with your Bid.

d. A statement indicating the percentage of work to be subcontracted. Additionally, the statement shall also confirm that the laboratory has sufficient staffing to assume the responsibility for the testing to be performed on behalf of the City of Ormond Beach.

e. The results from the most recent previous two WP/WA/NELAC Proficiency Testing studies are to be included in your submittal.

f. Copies of the last two FDOH laboratory assessments with corrective actions taken are to be included in your submittal.

g. A description of the laboratory and its relevant prior experience, specifically as related to governmental agencies.

h. A list of four references who shall confirm instances of comparable testing performed for governmental entities. If these cannot be provided, please explain.

i. The name and resume, including employment history with the Company, of the **senior staff** individuals who will perform the testing. If the successful provider subcontracts work under this contract, the same information will be provided for the subcontract laboratory.

j. Documentation which establishes the length of time in business in the State of Florida (at least four (4) years required).

k. Laboratories with service contracts cancelled within the previous five years due to failure to provide accurate testing results are not eligible to bid.

Subcontract labs, if any, shall be required to submit information in items "a - c" and "e - g."

**COST ADJUSTMENTS**:

No later than June 1, of each contract year, the Contractor may petition the City through the Contract Manager for a rate adjustment to reflect the change in the cost of doing business, as measured by fluctuations in the Consumer Price Index (CPI), All Urban Customers, published by the U.S. Department of Labor, Bureau of Labor Statistics, for the preceding July 1-June 30 period. The maximum increase for any annual period shall be four (4%) percent which will only apply to the future year, increases will not be retroactive. The adjusted rate, if approved shall take effect on October 1, of the year in which approved.

# City of Ormond Beach

## LABORATORY TESTING SERVICES 2020
## Bid No. 2020-23

The BIDDER will fill in the MDL listed on the bid sheets and complete the Work, as described herein, for the following price(s):

### Reuse Effluent Analysis

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| Primary & Secondary Drinking Water Standards, including: 504.1,508.1 | Various | WW | 3 | $ | $ |
| 515.3, 524.2,Hg,As,Ba,Cd,Cr,Cu, | SEE PERMIT | | | | |
| Fe, Mn,Ag,Na,Zn,An,Pb,Se,Cl,F,NO3, | | | | | |
| SO4,MBAS,pH,TDS,Radium | | | | | |
| 226/228,Gross Alpha | | | | | |
| | | | | | |
| **Effluent Analysis Subtotal** | | | | $ | |

### Industrial Pre Treatment

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| As, Cd, Cr, Cu, Pb, Mo, Ni, Se, Ag, Zn, Oil & Grease (hexane method) | 200.7 | WW | | 5 | $ | $ |
| Cyanide | 335.3 | WW | | 5 | $ | $ |
| Mercury | 1631E | WW | | 5 | $ | $ |
| TSS | 160.1 | WW | | 5 | $ | $ |
| BOD | 405.1 | WW | | 5 | $ | $ |
| TTO (including:624,625,608) | Various | WW | | 5 | $ | $ |
| | | | | | | |
| **Pre Treatment Subtotal** | | | | | $ | |

## Wastewater

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Priority Pollutants for Effluent | Various | WW | | 2 | $ | $ |
| and Influent (including: 608, | SEE PERMIT | | | | | |
| 624,625,Cyanide,phenolics, | | | | | | |
| Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, | | | | | | |
| Se,Ag,Tl,Zn, Oil & Grease | | | | | | |
| 503 Sludge | Various | WW | | 4 | $ | $ |
| Cryptosporidium and Giardia | 1623 | WW | | 1 | $ | $ |
| Acute Bioassay | EPA 821-R-02-012 (FW acute) (2000.0) | WW | | 2 | $ | $ |
| Low Level Mercury | 1631E | WW | | 2 | $ | $ |
| Sampling Disposal Fee for Mercury | | WW | | 2 | $ | $ |
| Nickel | 200.8 | WW | | 12 | $ | $ |
| Copper | 200.8 | WW | | 12 | $ | $ |
| Dichlorobromomethane | 524.2 | WW | | 12 | $ | $ |
| Zinc | 200.8 | WW | | 12 | $ | $ |
| Sodium | 200.7 | WW | | 52 | $ | $ |
| Magnesium | 200.7 | WW | | 52 | $ | $ |
| Calcium | 200.7 | WW | | 52 | $ | $ |
| Chloride | 300.0 | WW | | 52 | $ | $ |
| TDS | 2540C | WW | | 52 | $ | $ |
| Fluoride | 300.0 | WW | | 52 | $ | $ |
| CBOD | SM5210B | WW | | 540 | $ | $ |
| TSS | 2540D | WW | | 644 | $ | $ |
| TKN | 351.2 | WW | | 540 | $ | $ |
| NOX | 353.2 | WW | | 260 | $ | $ |
| TP | 365.4 | WW | | 520 | $ | $ |
| Enterococci | Enterolert/ Quant-tray | WW | | 260 | $ | $ |
| Fecal Coliform | SM9222D | WW | | 365 | $ | $ |
| | | | | | | |
| **Wastewater Subtotal** | | | | | $ | |

## Biosolids

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| 503.13 Sludge Rule (including: | Various | sludge | 4 | $ | $ |
| Hg,As,Cd,Cr,Cu,Pb,Mo,Ni,K,Se, | | | | | |
| Zn,pH,Total Nitrogen and | | | | | |
| Phosphorus) | | | | | |
| | | | | | |
| **Biosolids Subtotal** | | | | $ | |

## Groundwater Monitoring

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Sodium | 6010 | GW | | 28 | $ | $ |
| TDS | 160.1 | GW | | 28 | $ | $ |
| Fecal | SM9222D | GW | | 28 | $ | $ |
| Turbidity | 180.1 | GW | | 28 | $ | $ |
| pH | 150.1 | GW | | 28 | $ | $ |
| Cl | 300.0 | GW | | 28 | $ | $ |
| Nitrates | 300.0 | GW | | 28 | $ | $ |
| SO4 | 300.0 | GW | | 28 | $ | $ |
| TTHM | 524.2 | GW | | 28 | $ | $ |
| Bis (2-ethylhexyl) phthalate | 525 | GW | | 28 | $ | $ |
| | | | | | | |
| **Groundwater Subtotal** | | | | | $ | |

## Water

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Fluoride | 300.0 | W | | 12 | $ | $ |
| HAA5 | 552.1 | W | | 4 | $ | $ |
| Lead and Copper | 200.8 | W | | 37 | $ | $ |
| Nitrate/Nitrite | 300.0 | W | | 1 | $ | $ |
| Nitrite | 300.0 | W | | 1 | $ | $ |
| Ortho-phosphorous | 300.0 | W | | 12 | $ | $ |
| pH | 150.1 | W | | 2 | $ | $ |
| Total Coliforms | SM9223B or SM9222B | W | | 900 | $ | $ |
| Total Cyanide | 335.3/9012 | W | | 1 | $ | $ |
| Total Organic Carbon | SM5310B | W | | 50 | $ | $ |
| Thallium | 200.9 | W | | 1 | $ | $ |
| TTHM | 524.2 | W | | 6 | $ | $ |
| Gross Alpha | 900.0 | W | | 1 | $ | $ |
| Radium 226 | 903.1 | W | | 1 | $ | $ |
| Radium 228 | 903.1 | W | | 1 | $ | $ |
| Endothall | 548.1 | W | | 1 | $ | $ |
| Glyphosate | 547 | W | | 1 | $ | $ |
| Dioxin | 1613 | W | | 1 | $ | $ |
| **Analyte Groups / Calculations** | | | | | | |
| Primary Inorganics | various | W | | 1 | $ | $ |
| Secondary Inorganics | various | W | | 1 | $ | $ |
| Regulated SOCs | various | W | | 1 | $ | $ |
| Regulated VOCs | various | W | | 1 | $ | $ |
| Mercury | 7471 | W | | 1 | $ | $ |
| Dissolved Oxygen | 360.1 | W | | 1 | $ | $ |
| | | | | | | |
| **Water Subtotal** | | | | | $ | |

## Consumptive Use Permit Samples

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Calcium | 200.7 | W | | 16 | $ | $ |
| Magnesium | 200.7 | W | | 16 | $ | $ |
| Sodium | 200.7 | W | | 16 | $ | $ |
| Potassium | 200.7 | W | | 16 | $ | $ |
| Iron | 200.7 | W | | 16 | $ | $ |
| Chlorides | 300.0 | W | | 61 | $ | $ |
| Sulfate | 300.0 | W | | 16 | $ | $ |
| Total Dissolved Solids | 160.1 | W | | 16 | $ | $ |
| Conductivity | 120.1 | W | | 16 | $ | $ |
| Alkalinity Bicarbonate | SM2320 | W | | 16 | $ | $ |
| Alkalinity Carbonate | SM2320 | W | | 16 | $ | $ |
| | | | | | | |
| **CUP Water Subtotal** | | | | | $ | |

Occasionally it may be necessary to receive sample results before the normal turn around time. Insert the proposed rush charges in the following matrix as a percentage surcharge over the normal contract price.

| Turnaround Time | RUSH SURCHARGES |
|---|---|
| **6-7 Working Days** | |
| **5 Working Days** | |
| **4 Working Days** | |
| **3 Working Days** | |
| **1-2 Working Days** | |

The bid basis for the contract award is the sum of the individual parameters.

**TOTAL BID FOR CONTRACT** **$**_____

(Figures)

_____

(Words)

## Concentrate Analysis

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Inorganic Compounds FAC 62-550 Table 1 (except Asbestos) | Various | WW | | 1 | $ 82.00 | $ 82.00 |
| TTHM | 524.2 | WW | 0.5 ug/L | 1 | $ 0.00 | $ 0.00 |
| VOCs FAC 62-550 Table 4 | Various | WW | | 1 | $ 45.00 | $ 45.00 |
| SOCs FAC 62-550 Table 5 | Various | WW | | 1 | $ 628.00 | $ 628.00 |
| Secondaries FAC 62-550 Table 6 (except color and odor) | Various | WW | | 1 | $ 79.00 | $ 79.00 |
| Radium 226 + Radium 228 | E903.1 | WW | 4 pC/L | 1 | $ 110.00 | $ 110.00 |
| Gross Alpha | E9310 | WW | | 1 | $ 30.00 | $ 30.00 |
| | | | | | | |
| **Concentrate Subtotal** | | | | | $ 974.00 | |

## Industrial Pre Treatment

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| As,Cd,Cu,Pb,Ni,Se,Ag,Zn | 200.7 | WW | | 8 | $ 28.00 | $ 224.00 |
| Cyanide | 335.3 | WW | 0.005 mg/L | 8 | $ 18.00 | $ 144.00 |
| Fluoride | 300.0 | WW | 0.05 mg/L | 8 | $ 8.00 | $ 64.00 |
| Mercury | 1631E | WW | 0.025 ug/L | 8 | $ 55.00 | $ 440.00 |
| TSS | 160.1 | WW | 10 mg/L | 8 | $ 7.00 | $ 56.00 |
| BOD | 405.1 | WW | 2 mg/L | 8 | $ 13.00 | $ 104.00 |
| TTO (including:624,625,608) | Various | WW | | 8 | $ 205.00 | $ 1,640.00 |
| | | | | | | |
| **Pre Treatment Subtotal** | | | | | $ 2,672.00 | |

**LABORATORY TESTING SERVICES**
**BID NUMBER 2015-34**
**ADDENDUM NO. 1 (CONTINUED)**
**Wastewater**

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Expanded Effluent Analysis for Influent and Effluent including items listed in EPA 608,624,625,Sb,As,Be,Cd,Cr, Cu.Pb,Hg,Ni,Se,Ag,Ti,Zn, Oils and Grease, Cyanide, phenolics, Hardness | Various | WW | | 2 | $310.00 | $620.00 |
| 503 Sludge | Various | WW | | 4 | $91.00 | $364.00 |
| Cryptosporidium and Guardia | 1623E | WW | | 1 | $550.00 | $550.00 |
| Chronic Bioassay | 1002.0, 1000.0 | WW | NA | 6 | $2,200.00 | $13,220.00 |
| TTO (including:624,625,608) | Various | WW | | 6 | $205.00 | $1,230.00 |
| Low Level Mercury | 1631E | WW | | 4 | $55.00 | $220.00 |
| Sampling Fee for Mercury | | WW | | 4 | $80.00 | $320.00 |
| Mercury | 245.1 | WW | 0.1 ug/L | 6 | $12.00 | $72.00 |
| Nickel | 200.8 | WW | 0.62 ug/L | 36 | $4.50 | $162.00 |
| Copper | 200.8 | WW | 0.5 ug/L | 36 | $4.50 | $162.00 |
| Dichlorobromomethane | 524.2 | WW | 0.25 ug/L | 30 | $25.00 | $750.00 |
| Dibromochloromethane | 524.2 | WW | 0.1 ug/L | 30 | $0.00 | $0.00 |
| Zinc | 200.8 | WW | 2.5 ug/L | 30 | $4.50 | $135.00 |
| Sodium | 200.7 | WW | 500 ug/L | 120 | $3.50 | $420.00 |
| Magnesium | 200.7 | WW | 250 ug/L | 120 | $3.50 | $420.00 |
| Calcium | 200.7 | WW | 250 ug/L | 120 | $3.50 | $420.00 |
| Chloride | 300.0 | WW | 2.5 mg/L | 120 | $6.00 | $720.00 |
| TDS | 2540C | WW | 5 mg/L | 120 | $9.00 | $1,080.00 |
| Sulfate | 300.0 | WW | 2.5 mg/L | 5 | $6.00 | $30.00 |
| THM | 524.2 | WW | 0.5 ug/L | 5 | $25.00 | $125.00 |
| Radium 226 | 903.1 | WW | 4 pC/L | 5 | $55.00 | $275.00 |
| Radium 228 | 904.1 | WW | 4 pC/L | 5 | $55.00 | $275.00 |
| Arsenic | 200.7 | WW | 5 ug/L | 5 | $3.50 | $17.50 |
| Silver | 200.7 | WW | 2.5 ug/L | 5 | $3.50 | $17.50 |
| Selenium | 200.7 | WW | 7.5 ug/L | 5 | $3.50 | $17.50 |
| Lead | 200.7 | WW | 5 ug/L | 5 | $3.50 | $17.50 |
| Cyanide | 335.3 | WW | 0.005 mg/L | 5 | $18.00 | $90.00 |
| Fluoride | 300.0 | WW | 0.047 mg/L | 60 | $6.00 | $360.00 |
| Cadmium | 200.7 | WW | 0.5 ug/L | 5 | $3.50 | $17.50 |
| Beryllium | 200.7 | WW | 0.5 ug/L | 5 | $3.50 | $17.50 |
| CBOD | SM5210B | WW | 2 mg/L | 540 | $13.00 | $7,020.00 |
| BOD | SM5210B | WW | 2 mg/L | 6 | $13.00 | $78.00 |
| TSS | 2540D | WW | 5 mg/L | 900 | $7.00 | $6,300.00 |
| TKN | 351.2 | WW | 10 mg/L | 600 | $12.00 | $7,200.00 |
| NOX | 353.2 | WW | 0.25 mg/L | 340 | $6.00 | $2,040.00 |
| Nitrates | 300.0 | WW | 0.036 mg/L | 10 | $6.00 | $60.00 |
| TP | 365.4 | WW | 0.05 mg/L | 600 | $9.00 | $5,400.00 |
| Fecal Coliform | SM9222D | WW | 1 CFU/100 mL | 520 | $9.00 | $4,680.00 |
| **Wastewater Subtotal** | | | | | $55,883.00 | |

C.B. 13,200.00



54,883 C.B.

**LABORATORY TESTING SERVICES**
**BID NUMBER 2015-34 ADDENDUM**
**NO. 1 (CONTINUED)**

**Biosolids**

| PARAMETERS | Methods | Matrix | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|
| Priority Pollutants for Biosolids | Various | sludge | 1 | $295.00 | $295.00 |
| including:8081, 8082,8260,8270 | | | | | |
| Cyanide,phenolics, | | | | | |
| Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, | | | | | |
| Se,Ag,Tl,Zn | | | | | |
| | | | | | |
| 503.13 Sludge Rule (including: | Various | sludge | 4 | $ 82.00 | $ 328.00 |
| Hg,As,Cd,Cr,Cu,Pb,Mo,Ni,K,Se, | | | | | |
| Zn,pH,Total Nitrogen and | | | | | |
| Phosphorus) | | | | | |
| | | | | | |
| **Biosolids Subtotal** | | | | $ 623.00 | |

**Groundwater Monitoring**

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Sodium | 6010 | GW | 500 ug/L | 28 | $7.00 | $ 196.00 |
| TDS | 160.1 | GW | 5 mg/L | 28 | $9.00 | $ 252.00 |
| Fecal | SM9222D | GW | 1 CFU/100 mL | 28 | $9.00 | $ 252.00 |
| Turbidity | 180.1 | GW | 0.2 NTU | 28 | $5.00 | $ 140.00 |
| pH | 150.1 | GW | 1 CFU/100 mL | 28 | $4.00 | $ 112.00 |
| Cl | 300.0 | GW | 2.5 mg/L | 28 | $6.00 | $ 168.00 |
| Nitrates | 300.0 | GW | 0.043 mg/L | 28 | $6.00 | $ 168.00 |
| SO4 | 300.0 | GW | 2.5 mg/L | 28 | $6.00 | $ 168.00 |
| TTHM | 524.2 | GW | 0.5 ug/L | 28 | $25.00 | $ 700.00 |
| Radium 226/228 | E903.1 | GW | 1 pCi/L | 28 | $110.00 | $ 3,080.00 |
| | | | | | | |
| **Groundwater Subtotal** | | | | | $ 5,236.00 | |

## Water

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Fluoride | 300.0 | W | 0.05 mg/L | 24 | $ 6.00 | $ 144.00 |
| HAA5 | 552.1 | W | 0.608 ug/L | 4 | $ 45.00 | $ 180.00 |
| Lead and Copper | 200.8 | W | 0.5 ug/L | 200 | $ 12.00 | $ 2,400.00 |
| Nitrate/Nitrite | 300.0 | W | 0.025 mg/L | 1 | $ 6.00 | $ 6.00 |
| Nitrite | 300.0 | W | 0.025 mg/L | 1 | $ 6.00 | $ 6.00 |
| Ortho-phosphorous | 300.0 | W | 0.05 mg/L | 12 | $ 6.00 | $ 72.00 |
| pH | 150.1 | W | 0.1 Std.Units | 2 | $ 4.00 | $ 8.00 |
| Total Coliforms | SM9223B or SM9222B | W | 1 CFU/100 mL | 900 | $ 8.00 | $ 7,200.00 |
| Total Cyanide | 335.3/9012 | W | 0.005 mg/L | 1 | $ 18.00 | $ 18.00 |
| Total Organic Carbon | SM5310B | W | 0.5 mg/L | 50 | $ 13.00 | $ 650.00 |
| Thallium | 200.9 | W | 0.5 ug/L | 1 | $ 15.00 | $ 15.00 |
| TTHM | 524.2 | W | 0.5 ug/L | 6 | $ 25.00 | $ 150.00 |
| Gross Alpha | 900.0 | W | 3 pCi/L | 1 | $ 30.00 | $ 30.00 |
| Radium 226 | 903.1 | W | 1 pCi/L | 1 | $ 55.00 | $ 55.00 |
| Radium 228 | 903.1 | W | 1 pCi/L | 1 | $ 55.00 | $ 55.00 |
| Endothall | 548.1 | W | 4.11 ug/L | 1 | $ 55.00 | $ 55.00 |
| Glyphosate | 547 | W | 5.42 ug/L | 1 | $ 45.00 | $ 45.00 |
| Dioxin | 1613 | W | | 1 | $ 195.00 | $ 195.00 |
| **Analyte Groups / Calculations** | | | | | | |
| Primary Inorganics | various | W | | 1 | $ 87.00 | $87.00 |
| Secondary Inorganics | various | W | | 1 | $ 93.00 | $93.00 |
| Regulated SOCs | various | W | | 1 | $628.00 | $628.00 |
| Regulated VOCs | various | W | | 1 | $ 45.00 | $ 45.00 |
| Mercury | 7471B | W | 0.1 ug/L | 1 | $ 12.00 | $12.00 |
| Dissolved Oxygen | 360.1 | W | 1 mg/L | 1 | $ 6.00 | $ 6.00 |
| | | | | | | |
| **Water Subtotal** | | | | | $ 12,155.00 | |

**LABORATORY TESTING SERVICES**
**BID NUMBER 2015-34**
**ADDENDUM NO. 1 (CONTINUED)**
**Consumptive Use Permit Samples**

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Calcium | 200.7 | W | 250 ug/L | 16 | $ 3.50 | $ 56.00 |
| Magnesium | 200.7 | W | 250 ug/L | 16 | $ 3.50 | $ 56.00 |
| Sodium | 200.7 | W | 500 ug/L | 16 | $ 3.50 | $ 56.00 |
| Potassium | 200.7 | W | 500 ug/L | 16 | $ 3.50 | $ 56.00 |
| Iron | 200.7 | W | 20 ug/L | 16 | $ 3.50 | $ 56.00 |
| Chlorides | 300.0 | W | 2.5 mg/L | 61 | $ 6.00 | $ 366.00 |
| Sulfate | 300.0 | W | 2.5 mg/L | 16 | $ 6.00 | $ 96.00 |
| Total Dissolved Solids | 160.1 | W | 5 mg/L | 16 | $ 9.00 | $ 144.00 |
| Conductivity | 120.1 | W | 1 ppt | 16 | $ 5.00 | $ 80.00 |
| Alkalinity Bicarbonate | SM2320 | W | 5 mg/L | 16 | $ 8.00 | $ 128.00 |
| Alkalinity Carbonate | SM2320 | W | 5 mg/L | 16 | $ 8.00 | $ 128.00 |
| | | | | | | |
| **CUP Water Subtotal** | | | | | $ 1,222.00 | |

Occasionally it may be necessary to receive sample results before the normal turnaround time. Insert the proposed rush charges in the following matrix as a percentage surcharge over the normal contract price.

| **Turnaround Time** | **RUSH SURCHARGES** |
|---|---|
| **6-7 Working Days** | 50% |
| **5 Working Days** | 75% |
| **4 Working Days** | 100% |
| **3 Working Days** | 150% |
| **1-2 Working Days** | 200 % |

The bid basis for the contract award is the sum of the individual parameters.

**TOTAL BID FOR CONTRACT** **$** 79,713.00

(Figures)

Seventy Nine Thousand Seven Hundred Thirteen Dollars and 00/100

(Words)

# FLORIDA DEPARTMENT OF Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Noah Valenstein
Secretary


Sent via email: shanahan@ormondbeach.org

NOTICE OF PERMIT

In the Matter of an
Application for Permit by:
City of Ormond Beach
22A Beach Street
Ormond Beach, FL

Volusia County - DW
Ormond Beach WRF
Wastewater Permit Application
DEP File No: FL0020532-023-DW1P

ATTENTION Joyce A. Shanahan,
City Manager

Enclosed is Permit Number FL0020532 to operate a domestic wastewater facility issued under Sections 403.087 and 403.0885 of the Florida Statutes.

Judicial Review

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68, F.S. by the filing of a notice of appeal under Florida Rules of Appellate Procedure 9.110 and 9.190 with the Clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within 30 days after this order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Environmental Administrator
Permitting and Waste Cleanup Program

RP/dj

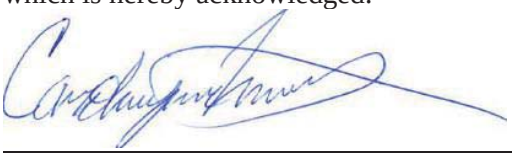
Enclosures: Draft Permit No. FL0020532, DMRs, and Fact Sheet
Pathogen Monitoring Report,

Location and Reuse Service Area Maps

**CERTIFICATE OF SERVICE**
The undersigned duly designated deputy clerk hereby certifies that this document and all attachments were sent on the filing date below to the following listed persons:

Kevin Lee, P.E., Mead & Hunt, Kevin.Lee@meadhunt.com
DEP: David Smicherko, Dennise Judy

**FILING AND ACKNOWLEDGMENT**
FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

May 8, 2020
Date

# FLORIDA DEPARTMENT OF Environmental Protection

Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

**Ron DeSantis**
Governor

**Jeanette Nuñez**
Lt. Governor

**Noah Valenstein**
Secretary


## STATE OF FLORIDA
## DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**
City of Ormond Beach

**RESPONSIBLE OFFICIAL:**
Ms. Joyce Shanahan, City Manager
22 S Beach St
Ormond Beach, Florida 32174- 6386
(386) 676-3200
shanahan@ormondbeach.org

**FACILITY:**
Ormond Beach WRF
550 N Orchard St
Ormond Beach, FL 32174-9512
Volusia County
Latitude: 29°17' 20.27" N Longitude: 81°4' 24.32" W

**PERMIT NUMBER:** FL0020532 (Major)
**FILE NUMBER:** FL0020532-023-DW1P
**ISSUANCE DATE:** **May 8, 2020**
**EFFECTIVE DATE:** **May 8, 2020**
**EXPIRATION DATE:** **May 7, 2025**

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above-named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

Treatment is provided by an existing 8.0 MGD annual average daily flow (AADF) permitted capacity advanced wastewater treatment (AWT) plant with an odor control system, influent screening, grit removal, biological nutrient removal (carousel type, 5-stage Bardenpho Process), re-aeration, chemical feed facilities, secondary clarification, tertiary filtration, high level disinfection, with post-aeration and dechlorination for the river discharge, and thickening, followed by dewatering, of biosolids. This permit authorizes modification of the piping, valving, and associated appurtenances to retrofit an existing Reclaimed Water (RW) Equalization (EQ) basin for use as a supplemental chlorine contact chamber.

**REUSE OR DISPOSAL:**

**Surface Water Discharge D-001** is an existing 6.0 MGD annual average daily flow discharge to the Halifax River, Class III Marine waters, (WBID# 2363B). The outfall pipe is approximately 1000 feet in length and discharges at a depth of approximately 5 feet. The point of discharge is located approximately at latitude 29°17' 50" N, longitude 81°3' 26" W.

**Land Application R-001** is an existing 10.0 MGD annual average daily flow permitted capacity slow-rate public access reuse (PAR) system. R-001 consists of irrigation within the approved Reuse Service Area as shown on the attached map, to the major users identified in Part IV.A.2 of this permit. This reuse system may receive reclaimed water (RW) from the Holly Hill PAR system. Excess reclaimed water and substandard effluent are discharged to D-001.

The following ground water sources may be used to augment the supply of reclaimed water: The Hunter's Ridge and Breakaway Trails RW storage systems receive water from supplemental groundwater wells prior to distribution within the service area.

Demineralization concentrate is blended with RW for irrigation via the public access reuse (PAR) system.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 27 of this permit.

## I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Surface Water Discharges

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001 to Halifax River. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.

| | | | Effluent Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Flow | MGD | Max<br>Max | 6.0<br>Report | Annual Average<br>Monthly Average | Continuous | Calculated | FLW-1 | See I.A.4 |
| Flow | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-10 | See I.A.4 |
| Flow | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-6 | See I.A.4 |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | See I.A.6 |
| Solids, Total Suspended | mg/L | Max<br>Max<br>Max<br>Max | 5.0<br>6.25<br>7.5<br>10.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | See I.A.6 |
| Coliform, Fecal | #/100mL | Max<br>Max<br>Max<br>Max | 200<br>200<br>400<br>800 | Monthly Geometric Mean<br>Annual Average<br>90th Percentile<br>Single Sample | 5 Days/Week | Grab | EFA-1 | See I.A.7 and I.A.8 |
| Coliform, Fecal | #/100mL | Max<br>Max<br>Max<br>Max | 200<br>200<br>400<br>800 | Monthly Geometric Mean<br>Annual Average<br>90th Percentile<br>Single Sample | 5 Days/Week | Grab | EFA-2 | See I.A.7 and I.A.8 |
| Enterococci | #/100mL | Max<br>Max | 35<br>130 | Monthly Geometric Mean<br>90th Percentile | 5 Days/Week | Grab | EFD-1 | See I.A.7 and I.A.8 |
| pH | s.u. | Min<br>Max | 6.5<br>8.5 | Single Sample<br>Single Sample | Continuous | Meter | EFD-1 | See I.A.3 |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | Continuous | Meter | EFA-1 | See I.A.3 and I.A.9 |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | Continuous | Meter | EFA-2 | See I.A.3 and I.A.9 |
| Chlorine, Total Residual (For Dechlorination) | mg/L | Max | 0.01 | Single Sample | Daily; 24 hours | Grab | EFD-1 | |

| | | | Effluent Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Nitrogen, Total | mg/L | Max<br>Max<br>Max | 3.0<br>4.5<br>6.0 | Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | See I.A.**Error! Reference source not found.** |
| Phosphorus, Total (as P) | mg/L | Max<br>Max<br>Max | 1.0<br>1.5<br>2.0 | Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFD-1 | |
| Oxygen, Dissolved (DO) | mg/L | Min | 4.0 | Single Sample | Daily; 24 hours | Grab | EFD-1 | |
| Nitrogen, Total | lb/yr | Max<br>Max | 54831<br>Report | Annual Total<br>Monthly Total | Monthly | Calculated | EFD-1 | See I.A.**Error! Reference source not found.** |
| Phosphorus, Total (as P) | lb/yr | Max<br>Max | 18278<br>Report | Annual Total<br>Monthly Total | Monthly | Calculated | EFD-1 | |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia) | percent | Min | 100 | Single Sample | Semi-Annually; twice per year | 4 grabs/24 hr.period | EFD-1 | See I.A.10 |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi) | percent | Min | 100 | Single Sample | Semi-Annually; twice per year | 4 grabs/24 hr.period | EFD-1 | See I.A.10 |
| Dichlorobromomethane | ug/L | Max | 100 | Annual Average | Monthly | Grab | EFD-1 | See I.A.11 |
| Enterococci | #/100mL | Max<br>Max | 35<br>104 | Monthly Geometric Mean<br>Single Sample | 5 Days/Week | Grab | EFD-1 | See I.A.7 and I.A.8 |

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|---|---|
| FLW-10 | Flow to D-001 |
| FLW-6 | Flow to D-001 during by-pass of RW EQ basin |
| EFD-1 | Sample point after dechlorination |
| EFA-1 | Sampling point after chlorination |
| EFA-2 | Sample Point at end of the converted RW EQ basin when being used as a CCC |

3. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. *[62-600.660(1)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. **The sum of the two flows shall not exceed 6.0 MGD on an annual average basis**. *[62-600.200(25)]*

5. The discharge shall not contain components that, alone or in combination with other substances or in combination with other components of the discharge:

a. Settle to form putrescent deposits or otherwise create a nuisance; or

b. Float as debris, scum, oil, or other matter in such amounts as to form nuisances; or

c. Produce color, odor, taste, turbidity, or other conditions in such degree as to create a nuisance; or

d. Are acutely toxic; or

e. Are present in concentrations which are carcinogenic, mutagenic, or teratogenic to human beings or to significant, locally occurring, wildlife or aquatic species, unless specific standards are established for such components in subsection 62-302.500(2) or Rule 62-302.530, F.A.C.; or

f. Pose a serious danger to the public health, safety, or welfare.

*[62-302.500(1)(a)]*

6. In accordance with subsections 62-600.420(1) and (2), F.A.C., the monthly average effluent CBOD5 and TSS concentrations shall not exceed 15% of their respective influent values (i.e., 85% removal). *[62-600.420(1) and (2)]*

7. The effluent limitations for the monthly geometric means for fecal coliform and enterococci are only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric means shall be calculated and reported on the Discharge Monitoring Report, but shall not be used to determine compliance with the limitations for the monthly geometric means. The monthly geometric mean for fecal coliform shall be used to calculate the annual average. All other fecal coliform and enterococci effluent limitations included in permit condition I.A.1 apply regardless of the number of values reported. *[62-600.440(5)(b)] [62-302.530]*

8. To report the "90th percentile,"

   a. Place the bacteria results in ascending order (from lowest to highest value) and assign each sample a number, 1 for the lowest value.

   b. Multiply the total number of samples by 0.9 to determine the 90th percentile level.

   c. Report the value of the sample that corresponds to the 90th percentile level (e.g., 10 samples x 0.9 = 9, report the value of the 9th sample). If the 90th percentile level is not a whole number, rounding or interpolation should be used to determine the 90th percentile. When rounding, round down to the nearest whole number if the decimal is 0.4 or lower, and round up to the nearest whole number if the decimal is 0.5 or higher (e.g., 12 samples x 0.9 = 10.8, report the value of the 11th sample if rounding).

   *[62-600.440(5)(a)3] [62-302.530]*

9. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. *[62-600.440(5)(c), (6)(b), and (7)(c)]*

10. The permittee shall comply with the following requirements to evaluate acute whole effluent toxicity of the discharge from outfall D-001.

    a. Effluent Limitation

       (1) In any routine or additional follow-up test for acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent. [Rules 62-302.200(1), 62-302.500(1)(a)4., 62-4.244(3)(a), and 62-4.241, F.A.C.]

    b. Monitoring Frequency

       (1) Routine toxicity tests shall be conducted once every six months, the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.

    c. Sampling Requirements

       (1) Routine tests shall be conducted on four separate grab samples collected at evenly-spaced (6-hr) intervals over a 24-hour period. The four grab samples shall be used in eight bioassays (four bioassays for each species) and shall represent one test. **If the duration of the discharge is less than 24-hours, a shortened sampling protocol will be used and the duration of discharge shall be documented on the chain of custody.**

       (2) For additional follow-up tests, the first test shall be conducted on four separate grab samples collected at evenly-spaced (6-hr) intervals over a 24-hour period. The four grab samples shall be used in four

separate bioassays for each species that failed the routine test. The four grab samples represent one test. The second follow-up test shall be run on a single grab sample collected on the day and time when the greatest toxicity was identified in the routine or first additional follow-up test.

d. Test Requirements

(1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 75%, 50%, 25%**, and **12.5%** effluent.

(2) The permittee shall conduct 96-hour acute static renewal multi-concentration toxicity tests using the daphnid, **Ceriodaphnia dubia**, and the bannerfin shiner, **Cyprinella leedsi**, concurrently.

(3) All test species, procedures and quality assurance criteria used shall be in accordance with **Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms**, 5th Edition, EPA-821-R-02-012. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct acute toxicity testing in accordance with the revised method.

(4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-012, Table 7.

e. Quality Assurance Requirements

(1) A standard reference toxicant (SRT) quality assurance (QA) acute toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly acute toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.

(2) If the mortality in the control (0% effluent) exceeds 10% for either species in any test, the test for that species (including the control) shall be invalidated and the test repeated. The repeat test shall begin within 14 days after the last day of the invalid test.

(3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 10% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.

(4) Routine and additional follow-up tests shall be evaluated for acceptability based on the concentration-response relationship, as required by EPA-821-R-02-012, Section 12.2.6.2., and included with the bioassay laboratory reports.

f. Reporting Requirements

(1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:

(a) Routine Test Results: If an LC50 >100% effluent occurs in all four separate grab sample tests for the test species, ">100%" shall be entered on the DMR for that test species. If in any of the four separate grab sample tests for the test species an LC50 <100% effluent occurs, the lowest calculated LC50 effluent concentration shall be entered on the DMR for that test species.

(b) Additional Follow-up Test Results: For each additional test required, the calculated LC50 value shall be entered on the DMR for that test species.

(2) A bioassay laboratory report for the routine test shall be prepared according to EPA-821-R-02-012, Section 12, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.

(3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-012, Section 12, and mailed within 30 days after the last day of the second valid additional follow-up test.

(4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.

(5) The same bioassay data shall not be reported as the results of more than one test.

(6) All bioassay laboratory reports shall be sent to:
Florida Department of Environmental Protection

Central District Office
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767

g. Test Failures

(1) A test fails when the test results do not meet the limits in 10.a.(1).

(2) Additional Follow-up Tests:

(a) If a routine test does not meet the acute toxicity limitation in 10.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 10.d.

(b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.

(c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 75%, 50%, 25%, and 12.5% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be statistically analyzed according to the procedures in EPA-821-R-02-012.

(3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.

(a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.

(b) The Department shall review and approve the plan before initiation.

(c) The plan shall be initiated within 30 days following the Department's written approval of the plan.

(d) Progress reports shall be submitted quarterly to the Department at the address above.

(e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 10.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 10.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-012, a repeat test shall be initiated within 14 days after the last day of the invalid routine test.

(f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 10.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 14 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.

(4) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for whole effluent toxicity failures.

*[62-4.241, 62-620.620(3)]*

11. A mixing zone for dichlorobromomethane (DCBM) has been approved in accordance with DEP permit file number FL0020532-012-DWIP and is described as a rectangle centered along the point of discharge with a mixing zone of 539 square meters. *[62-302.530(35)(b)5]*

12. The current effluent nutrient loading limits were established in the finalized Halifax River TMDL Report on July 1, 2013. Mass load shall be calculated Monthly for each calendar month of the reporting period by formula:

Monthly ADF MGD x Month Average TP or TN mg/L x 8.34 = lb/day TP or TN

lb/day TP or TN x days/month = Pounds TP or TN. This must be reported on the DMR for Outfall D-001

A cumulative total for all previously reported months, in the current calendar year, shall be submitted with each monthly reporting period. The numeric load limit, in lb/year, is for January through December, not a rolling 12-month total. [62-304 and 2013 Halifax River TMDL Report]

**B. Reuse and Land Application Systems**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to supplement reclaimed water with ground water and direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.8.:

| | | | Reclaimed Water Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Flow | MGD | Max<br>Max | 10.0<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-2 | See I.B.4 |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max<br>Max<br>Max<br>Max | 20.0<br>30.0<br>45.0<br>60.0 | Annual Average<br>Monthly Average<br>Weekly Average<br>Single Sample | 5 Days/Week | 24-hr FPC | EFA-1 | |
| Solids, Total Suspended | mg/L | Max | 5.0 | Single Sample | Daily; 24 hours | Grab | EFB-1 | |
| Coliform, Fecal | #/100mL | Max | 25 | Single Sample | Daily; 24 hours | Grab | EFA-1 | |
| Coliform, Fecal, % less than detection | percent | Min | 75 | Monthly Total | Daily; 24 hours | Calculated | EFA-1 | See I.B.5 |
| pH | s.u. | Min<br>Max | 6.0<br>8.5 | Single Sample<br>Single Sample | Continuous | Meter | EFA-1 | See I.B.3 |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 1.0 | Single Sample | Continuous | Meter | EFA-1 | See I.B.6 and I.B.9 |
| Turbidity | NTU | Max | Report | Single Sample | Continuous | Meter | EFB-1 | See I.B.7 and I.B.9 |
| Giardia | cysts/100L | Max | Report | Single Sample | Bi-annually; every 2 years | Grab | EFA-1 | See I.B.10 |
| Cryptosporidium | oocysts/100L | Max | Report | Single Sample | Bi-annually; every 2 years | Grab | EFA-1 | See I.B.10 |
| Flow (Ground Water from Hunters Ridge Well) | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-7 | |
| Flow (Ground Water from Breakaway Trails Well) | MGD | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Continuous | Recording Flow Meter with Totalizer | FLW-7 | |
| Coliform, Fecal (Ground Water from Hunters Ridge Well) | #/100mL | Max | Report | Single Sample | Quarterly | Grab | OTH-2 | |
| Coliform, Fecal (Ground Water from Breakaway Trails Well) | #/100mL | Max | Report | Single Sample | Quarterly | Grab | OTH-3 | |
| Flow (Concentrate) | MGD | Max<br>Max | 1.0<br>Report | Annual Average<br>Monthly Average | Continuous | Meter | FLW-3 | |

| | | | Reclaimed Water Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Nitrogen, Total | mg/L | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Weekly | 24-hr FPC | EFA-1 | |
| Solids, Total Suspended (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Phosphorus, Total (as P) | mg/L | Max<br>Max | Report<br>Report | Annual Average<br>Monthly Average | Weekly | 24-hr FPC | EFA-1 | |
| pH (Blend) | s.u. | Max<br>Min | Report<br>Report | Single Sample<br>Single Sample | Weekly | Grab | OTH-1 | See I.B.3 |
| Specific Conductance (Blend) | umhos/ cm | Max | Report | Single Sample | Continuous | Meter | OTH-1 | See I.B.11 |
| Fluoride, Total (as F) (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Blend Ratio (1:2.5) | ratio | Max | 0.40 | Single Sample | Continuous | Calculated | CAL-2 | |
| Sodium Adsorption Ratio (Blend) | ratio | Max | Report | Single Sample | Weekly | Calculated | OTH-1 | |
| Sodium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Magnesium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Calcium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Chloride (as Cl) (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |
| Solids, Total Dissolved (TDS) (Blend) | mg/L | Max | Report | Single Sample | Weekly | Grab | OTH-1 | |

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|---|---|
| FLW-2 | Flow meter to the public access reuse system |
| EFA-1 | Sampling point after chlorination |
| EFB-1 | After filtration and prior to disinfection |
| FLW-7 | Supplemental GW flow from Hunters Ridge Well |
| OTH-2 | Groundwater from Hunters Ridge well |
| OTH-3 | Groundwater from Breakaway Trails well |
| FLW-3 | Total concentrate (FLW-4 + FLW-5) |
| OTH-1 | Sample point at mainland pump station (blend of RW and concentrate) |
| CAL-2 | Concentrate flow divided by the flow to the public access reuse system |

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[62-600.660(1)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-600.200(25)]*

5. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). *[62-600.440(6)(a)]*

6. The minimum total chlorine residual shall be limited as described in the currently approved operating protocol such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. *[62-600.440(6)(b)][62-610.460(2)][62-610.463(2)]*

7. The maximum turbidity shall be limited as described in the currently approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. *[62-610.463(2)]*

8. The treatment facilities shall be operated in accordance with the currently approved operating protocol(s). Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: D-001. *[62-610.320(6) and 62-610.463(2)]*

9. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. *[62-610.463(2)]*

10. Intervals between sampling for Giardia and Cryptosporidium shall not exceed *[62-610.472(3)(d)]*

11. The maximum specific conductance shall be limited as described in the approved operating protocol. *[62-610.865(9)(a)]*

**C. Other Limitations and Monitoring and Reporting Requirements**

1. During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.8.:

| | | | Limitations | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Flow (total through plant) | MGD | Max<br>Max<br>Max | 8.0<br>Report<br>Report | Annual Ave<br>Monthly Ave<br>Quarterly Ave | Continuous | Recording Flow Meter w/Totalizer | INF-1 | See I.C.4 |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max | Report | Monthly Average | Monthly | Calculated | INF-1 | |
| BOD, Carbonaceous 5 day, 20C (Influent) | mg/L | Max | Report | Single Sample | 5 Days/Week | 24-hr FPC | INF-2 | See I.C.3 |
| Solids, Total Suspended (Influent) | mg/L | Max | Report | Single Sample | 5 Days/Week | 24-hr FPC | INF-2 | See I.C.3 |

2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|---|---|
| INF-1 | Influent flow meter (Parshall Flume) |
| INF-2 | Raw influent to the headworks |

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. *[62-600.660(4)(a)]*

4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. *[62-600.200(25)]*

5. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Central District Office and to DEP's Reuse Coordinator in Tallahassee. *[62-610.300(4)(a)]*

6. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-600, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table" is available at https://floridadep.gov/dear/quality-assurance/content/quality-assurance-resources . The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting if it meets the following requirements:

   a. The laboratory's reported MDL and PQL values for the specific method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;

   b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and

   c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

   When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

   Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. *[62-4.246, 62-160]*

7. The permittee shall provide safe access points for obtaining representative samples which are required by this permit. *[62-600.650(2)]*

8. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period | Submit by |
|---|---|---|
| Monthly | first day of month - last day of month | 28th day of following month |
| Once Every Two Months | January 1 - February 28/29<br>March 1 - April 30<br>May 1 - June 30<br>July 1 - August 31<br>September 1 - October 31<br>November 1 - December 31 | March 28<br>May 28<br>July 28<br>September 28<br>November 28<br>January 28 |
| Quarterly | January 1 - March 31 | April 28 |

| REPORT Type on DMR | Monitoring Period | Submit by |
|---|---|---|
| | April 1 - June 30<br>July 1 - September 30<br>October 1 - December 31 | July 28<br>October 28<br>January 28 |
| Semiannual | January 1 - June 30<br>July 1 - December 31 | July 28<br>January 28 |
| Annual | January 1 - December 31 | January 28 |

The permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at http://www.fldepportal.com/go/, unless the permittee has a waiver from the Department in accordance with 40 CFR 127.15. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation.

*[62-620.610(18)][62-600.680(1)]*

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, total coliform, color, odor, and residual disinfectants). These monitoring results shall be reported to the Department annually on the RWS-A DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. When such a certification is submitted with the DMR, monitoring not required this period should be noted on the DMR. The annual reclaimed water or effluent analysis report, and certification if applicable, shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by January 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-600.660(2) and (3)(d)][62-600.680(2)][62-610.300(4)]*

10. An annual scan of the parameters listed as primary and secondary drinking water standards in Chapter 62-550, F.A.C. (except for turbidity, total coliforms, color, and corrosivity), shall be conducted for the demineralization concentrate (RWS-C) and the blend (RWS-B). The permittee shall submit the annual summaries of water quality in the reclaimed water, the concentrate, the blend, and ground water monitoring wells (RWS-G). Correlations between specific conductance and chloride, and total dissolved solids shall be developed and reported. The summary shall include an evaluation of any adverse effects on vegetation and ground water quality and needed corrective actions, including needed revisions to the operating protocol. Results of the annual scans and annual summary shall be submitted with the February DMR each year. *[62-610.865(8)(f) & (11)]*

11. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*

12. The operating protocols, for the Public Access Reuse System and the blending of concentrate, were submitted and approved during the permit renewal process. These protocols shall remain in affect until any revisions are reviewed and approved by the Department. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements and established demineralization concentrate blend ratio and specific conductance limit. Updated operating protocols shall be submitted to the Department's Central District Office for review and approval upon revision of the operating protocol(s) and with each permit application. *[62-610.320(6)][62-610.463(2)][62-610.865(9)]*

13. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's Central District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. *[62-610.464(5)]*

14. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

**Email (preferred):** DEP_CD@FLoridaDEP.gov

Or:

Florida Department of Environmental Protection
Central District
3319 Maguire Blvd
Suite 232
Orlando, Florida 32803-3767

Phone Number - (407)897-4100

*[62-620.305]*

15. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

### A. Basic Requirements

1. Biosolids generated by this facility may be transferred to Shelley's BTF or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. *[62-620.320(6), 62-640.880(1)]*

2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. *[62-640.650(4)(a)]*

3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.C.8.

| | | | Biosolids Limitation | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|---|
| Parameter | Units | Max./ Min | Limit | Statistical Basis | Frequency of Analysis | Sample Type | Monitoring Site Number | Notes |
| Biosolids Quantity (Transferred) | dry tons | Max | Report | Monthly Total | Monthly | Calculated | RMP-1 | |
| Biosolids Quantity (Landfilled) | dry tons | Max | Report | Monthly Total | Monthly | Calculated | RMP-1 | |

*[62-640.650(5)(a)1]*

4. Biosolids quantities shall be calculated as listed in Permit Condition II.3 and as described below:

| Monitoring Site Number | Description of Monitoring Site Calculations |
|---|---|
| RMP-1 | Biosolids leaving site |

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-640.400(6)]*

6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. *[62-640.300(4)]*

7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. *[62-640.400(9)]*

**B. Disposal**

1. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(b) & (c)]*

**C. Transfer**

1. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. *[62-640.880(1)(b)]*

2. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

Source Facility
1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)
4. Name and ID Number of treatment facility
5. Signature of responsible party at source facility
6. Signature of hauler and name of hauling firm

Biosolids Treatment Facility or Treatment Facility
1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility
4. Signature of hauler
5. Signature of responsible party at treatment facility

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

*[62-640.880(4)]*

**D. Receipt**

1. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*

## III. GROUND WATER REQUIREMENTS

**A. Construction Requirements**

1. The permittee shall give at least 72-hour notice to the Department's Central District Office, prior to the installation of any monitoring wells. *[62-520.600(6)(h)]*

2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. *[62-520.600(6)(g)]*

3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Central District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. *[62-520.600(6)(j) and .900(3)]*

4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. *[62-532.500(5)]*

**B. Operational Requirements**

1. For the Part III Public Access system, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge shall extend horizontally 100 feet from the application site(s) or to the property boundaries, whichever is less, and vertically to the base of the surficial aquifer. *[62-520.200(27)] [62-520.465]*

2. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. *[62-520.400 and 62-520.420(4)]*

3. If the concentration for any constituent listed in Permit Condition III.6. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. *[62-520.420(2)]*

4. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.5., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. *[62-520.600] [62-610.463]*

5. The following monitoring wells shall be sampled for Reuse System R-001.

| Monitoring Well ID | Alternate Well Name and/or Description of Monitoring Location | Latitude | Longitude | Depth (Feet) | Aquifer Monitored | Well Type | New or Existing |
|---|---|---|---|---|---|---|---|
| MWB-1 | Well Name MW-1 Golf Course WAFR 7328 3064A16235 | 29°17' 28" | 81°2' 43" | 20 | Surficial | Background | Existing |
| MWC-2 | Well Name MW-2 Golf Course WAFR 7327 3064A16236 | 29°17' 46" | 81°2' 44" | 15 | Surficial | Compliance | Existing |
| MWC-3A | Well Name MW-3A Golf Course WAFR 46550 3064A16237 | 29°18' 16" | 81°2' 58" | 15 | Surficial | Compliance | Existing |
| MWC-4 | Well Name MW-4 Golf Course WAFR 7325 3064A16238 | 29°17' 44" | 81°2' 30" | 15 | Surficial | Compliance | Existing |
| MWC-5A | Well Name MW-5A Golf Course WAFR 46551 3064A16239 | 29°18' 8" | 81°2' 44" | 15 | Surficial | Compliance | Existing |

*[62-520.600] [62-610.463]*

6. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.5.:

| Parameter | Compliance Well Limit | Units | Sample Type | Monitoring Frequency |
|---|---|---|---|---|
| Water Level Relative to NGVD | Report | ft | In Situ | Quarterly |
| Nitrogen, Nitrate, Total (as N) | 10 | mg/L | Grab | Quarterly |
| Solids, Total Dissolved (TDS) | 500 | mg/L | Grab | Quarterly |
| Chloride (as Cl) | 250 | mg/L | Grab | Quarterly |
| Coliform, Fecal | 4 | #/100mL | Grab | Quarterly |
| pH | 6.5-8.5 | s.u. | Grab | Quarterly |
| Sulfate, Total | 250 | mg/L | Grab | Quarterly |
| Turbidity | Report | NTU | Grab | Quarterly |
| Sodium, Total Recoverable | 160 | mg/L | Grab | Quarterly |
| Trihalomethane, Total by summation | 80 | ug/L | Grab | Quarterly |
| Bis (2-ethylhexyl) phthalate | 0.006 | mg/L | Grab | Quarterly |

*[62-520.600(11)(b)] [62-600.670] [62-600.650(3)] [62-520.310(5)]*

7. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. *[62-520.600(11)(c)] [62-610.463(3)(a)]*

8. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. *[62-160.210] [62-600.670(3)]*

9. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Central District Office as being more representative of ground water conditions. *[62-520.310(5)]*

10. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.C.8. *[62-520.600(11)(b)] [62-600.670] [62-600.680(1)] [62-620.610(18)]*

11. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Central District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Central District Office before installation. *[62-520.600(6)(l)]*

12. The permittee shall sample the following monitoring well(s): MWC-5A for the primary and secondary drinking water parameters included in Rules 62-550.310 and 62-550.320, F.A.C., (except for asbestos and all parameters in Table 5 of Chapter 62-550, F.A.C., other than Di(2-ethylhexyl) adipate and Di(2-ethylhexyl) phthalate). Results of this sampling shall be submitted to the Department's Central District Office with the application for permit renewal. Sampling shall occur no sooner than 180 days before submittal of the renewal application and reported using the RWS-G DMR. *[62-520.600(5)(b)]*

## IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

### A. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area identified in the attached map. The following uses of reclaimed water are authorized within this general service area:

   Athletic Complexes and Parks
   Golf Courses
   Other Landscape Irrigation
   Residential Developments

   *[62-620.630(10)(a)]*

2. This reuse system includes the following major user(s) of reclaimed water (i.e., using 0.1 MGD or more) and general service area(s):

| Site Number | User Name | User Type | Capacity (MGD) | Acreage |
|---|---|---|---|---|
| PAA-1 | North Peninsula Residential development | Residential Developments | 1.38 | 595 |
| PAA-2 | Residential/Recreational Open Space Residential Development | Golf Courses | 1.38 | 594 |
| PAA-3 | Golf Courses/Oceanside; Tomoka Oaks; River Bend | Other Landscape Irrigation | 2.38 | 437 |
| PAA-4 | Western Ormond Beach-Residential | Athletic Complexes and Parks | 3.26 | 1399 |
| PAA-5 | South Peninsula-Residential | Golf Courses | 1.57 | 676 |
| PAA_6 | Ormond Beach WRF | Other Landscape | 0.02 | 12 |
| | | Total | 10.0 | 3713 |

*[62-610.800(5)] [62-620.630(10)(b)]*

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. *[62-610.890]*

4. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*

5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. *[62-610.469(7)]*

6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*

7. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:

   a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.

   b. If the potable water system is contaminated, clear the potable water lines.

   c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360.F.A.C.

   d. Test the affected area for other possible cross-connections.

   e. Within 24 hours, notify the Department's Central District Office's domestic wastewater and drinking water programs.

   f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Central District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

   *[62-555.360][62-620.610(20)]*

8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*

9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*

10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*

11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*

12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*

13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*

14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*

15. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*

16. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*

17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*

18. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

Supplemental Water Supplies - Ground Water

19. An approved backflow prevention device, as described in Rule 62-555.360, F.A.C., shall be provided on the pipe from each well connected into the reclaimed water system. *[62-610.472(4)]*

20. The supplemental water supply pipes and appurtenances shall be color coded and marked to differentiate them from the reclaimed water and potable water facilities. *[62-610.472(4)]*

21. Facilities used to connect supplemental water supplies into the reclaimed water distribution system shall be located and documented in the record drawings for the reuse system. *[62-610.472(7)]*

<u>Blending of Concentrate with Reclaimed Water</u>

22. Demineralization concentrate from Ormond Beach Water Treatment Plant may be blended with the treated reclaimed water. Concentrate shall be blended with the reclaimed water at final plant effluent/reclaim water. *[62-610.865]*

## V. OPERATION AND MAINTENANCE REQUIREMENTS

### A. Staffing Requirements

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of one or more operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

   A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.

   *[62-620.630(3)][62-699.310] [62-610.462]*

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (6) and (1)]*

### B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*

2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*

### C. Recordkeeping Requirements

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
   a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
   b. Copies of all reports required by this permit for at least three years from the date the report was prepared;
   c. Records of all data, including reports and documents, used to complete the application for this permit for at least three years from the date the application was filed;
   d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
   e. A copy of the current wastewater facility permit;
   f. Copies of the current operation and maintenance manuals for the wastewater facility and the collection/transmission systems owned or operated by the wastewater facility permittee as required by Chapters 62-600 and 62-604, F.A.C.;
   g. A copy of any required record drawings for the wastewater facility and the collection/transmission systems owned or operated by the wastewater facility permittee;
   h. Copies of the licenses of the current certified operators;

i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and

j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

*[62-620.350, 62-604.500, 62-602.650, 62-640.650(4)]*

## VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

| Improvement Action | Completion Date |
|---|---|
| 1. Complete the conversion of the RW EQ tank to a supplemental chlorine contact chamber | 01/01/2021 |

*[62-620.320(6)]*

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:

   a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or

   b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

   Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3.A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. *[62-620.335(1) - (4)]*

## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

### A. Implementation Requirements

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. *[62-625.500]*

2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. *[62-625.410]*

3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:

   a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;

   b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;

   c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4)., F.A.C.; and

   d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation in accordance with Rule 62-625.600(16), F.A.C. For new local limits, a plan of study shall be submitted to the Department prior to initiating sampling required to develop the new local limits. This evaluation shall be submitted to the Department at the address in the condition below as required by the approved Industrial Pretreatment Program, or 180 days prior to the expiration of this permit.

   *[62-625.400 and .500]*

4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R for this facility, to the Department at the following address:

   Florida Department of Environmental Protection
   Domestic Wastewater Section, Mail Station 3540
   Bob Martinez Center
   2600 Blair Stone Road
   Tallahassee, Florida 32399-2400

   The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(f) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

   In order to comply with Rule 62-625.600(8)(f), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on February 1 of each year, to cover a period between January 1 to December 31. *[62-625.600(8) and (12)]*

5. No additional facilities are covered by the Ormond Beach WRF (FL0020532) pretreatment program.

6. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

| Monitoring Location Site Number | Description of Monitoring Location |
|---|---|
| PRT-I | Influent |
| PRT-E | Effluent |
| PRT-R | Residuals |

## VIII. OTHER SPECIFIC CONDITIONS

1. The permittee shall comply with all conditions and requirements for reuse contained in their consumptive use permit issued by the Water Management District, if such requirements are consistent with Department rules. *[62-610.800(10)]*

2. In the event that the wastewater facilities or equipment, including collection/transmission systems, no longer function as intended, are no longer safe in terms of public health and safety (including inactive or abandoned facilities), or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by paragraphs 62-600.400(2)(a) and 62-604.400(2)(c), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. *[62-600.410(5), 62-604.500(3) and 62-640.400(6)]*

3. All collection/transmission systems shall be operated and maintained so as to provide uninterrupted service. *[62-604.500(2)]*

4. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*

5. Cross-connection, as defined in Rule 62-550.200, F.A.C., between the wastewater facility, including the collection/transmission system, and a potable water system is prohibited. *[62-550.360][62-604.130(3)]*

6. The collection/transmission operation and maintenance manual shall be maintained and revised periodically in accordance with subsection 62-604.500(4), F.A.C., to reflect any alterations performed or to reflect experience resulting from operation. However, a new operation and maintenance manual is not required to be developed for each project if there is already an existing manual that is applicable to the facilities being constructed. *[62-604.500(4)]*

7. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*

8. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):

   a. Which may cause fire or explosion hazards; or

   b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or

   c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or

   d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding $40^{o}C$ or otherwise inhibiting treatment; or

   e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

   *[62-604.130(5)]*

9. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b)]*

10. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*

11. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*

12. The permittee shall provide verbal notice to the Department's Central District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Central District Office in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*

## IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*

3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*

5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*

6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*

7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*

8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*

9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:

    a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;

    b. Have access to and copy any records that shall be kept under the conditions of this permit;

    c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and

    d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

    *[62-620.610(9)]*

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*

11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*

12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*

13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*

14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*

15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*

16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*

17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:

    a. A description of the anticipated noncompliance;

    b. The period of the anticipated noncompliance, including dates and times; and

    c. Steps being taken to prevent future occurrence of the noncompliance.

    *[62-620.610(17)]*

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-600, and 62-610, F.A.C., and 40 CFR 136, as appropriate.

    a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.

    b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

    c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.

    d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.

    e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.

    f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

    *[62-620.610(18)]*

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*

20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. For noncompliance events related to sanitary sewer overflows or bypass events, these reports must include the data described above (with the exception of time of discovery) as well as the type of event (sanitary sewer overflows or bypass events), type of sewer overflow (e.g., manhole), discharge volumes by the treatment works treating domestic sewage, types of human health and environmental impacts of the sewer overflow event, and whether the noncompliance was related to wet weather. The written submission may be provided electronically using the Department's Business Portal at http://www.fldepportal.com/go/ (via "Submit" followed by "Report" or "Registration/Notification"). Notice required under paragraph (d) may be provided together with the written submission using the Business Portal. All noncompliance events related to sanitary sewer overflows or bypass events submitted after December 21, 2020 shall be submitted electronically.

(a) The following shall be included as information which must be reported within 24 hours under this condition:

1. Any unanticipated bypass which causes any reclaimed water or the effluent to exceed any permit limitation or results in an unpermitted discharge,

2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,

3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and

4. Any unauthorized discharge to surface or ground waters.

(b) Oral reports as required by this subsection shall be provided as follows:

1. For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:

   a. Name, address, and telephone number of person reporting;

   b. Name, address, and telephone number of permittee or responsible person for the discharge;

   c. Date and time of the discharge and status of discharge (ongoing or ceased);

   d. Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);

   e. Estimated amount of the discharge;

   f. Location or address of the discharge;

   g. Source and cause of the discharge;

   h. Whether the discharge was contained on-site, and cleanup actions taken to date;

   i. Description of area affected by the discharge, including name of water body affected, if any; and

   j. Other persons or agencies contacted.

2. Oral reports, not otherwise required to be provided pursuant to subparagraph (b)1. above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.

(c) If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

(d) In accordance with Section 403.077, F.S., unauthorized releases or spills reportable to the StateWatch Office pursuant to subparagraph (b)1. above shall also be reported to the Department within 24 hours from the time the permittee becomes aware of the discharge. The permittee shall provide to the Department information reported to the State Watch Office. Notice of unauthorized releases or spills may be provided to the Department through the Department's Public Notice of Pollution web page at https://floridadep.gov/pollutionnotice.

1. If, after providing notice pursuant to paragraph (d) above, the permittee determines that a reportable unauthorized release or spill did not occur or that an amendment to the notice is warranted, the permittee may submit additional notice to the Department documenting such determination.

2. If, after providing notice pursuant to paragraph (d) above, the permittee discovers that a reportable unauthorized release or spill has migrated outside the property boundaries of the installation, the permittee

must provide an additional notice to the Department that the release has migrated outside the property boundaries within 24 hours after its discovery of the migration outside of the property boundaries.

*[62-620.610(20)] [62-620.100(3)] [403.077, F.S.]*

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. *[62-620.610(21)]*

22. Bypass Provisions.

    a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.

    b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:

        (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and

        (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

        (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.

    c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.

    d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.

    e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

    *[62-620.610(22)]*

23. Upset Provisions.

    a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.

        (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.

        (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.

    b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

        (1) An upset occurred and that the permittee can identify the cause(s) of the upset;

        (2) The permitted facility was at the time being properly operated;

        (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and

        (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.

c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.

d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

*[62-620.610(23)]*

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



Reggie Phillips
Environmental Administrator
Permitting and Waste Cleanup Program

Attachment(s):
Discharge Monitoring Report
Pathogen Monitoring Report Form
Map of the General Reuse Service Area

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

| | | | | | |
|---|---|---|---|---|---|
| PERMITTEE NAME: | City of Ormond Beach | PERMIT NUMBER: | FL0020532-023-DW1P | **Effective Date of DMR** | **July 1, 2020** |
| MAILING ADDRESS: | 22 S Beach St<br>Ormond Beach, Florida 32174- 6386 | LIMIT: | Final | REPORT FREQUENCY: | Monthly |
| | | CLASS SIZE: | MA | PROGRAM: | Domestic |
| FACILITY: | Ormond Beach WRF | MONITORING GROUP NUMBER: | D-001 | | |
| LOCATION: | 550 N Orchard St<br>Ormond Beach, FL 32174-9512 | MONITORING GROUP DESCRIPTION: | Discharge to Halifax River | | |
| | | RE-SUBMITTED DMR: ☐ | | | |
| | | NO DISCHARGE FROM SITE: ☐ | | | |
| COUNTY: | Volusia | MONITORING PERIOD From: | _____ To: _____ | | |
| OFFICE: | Central District | | | | |

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Y<br>Mon. Site No. FLW-1 | Permit Requirement | | 6.0<br>(An.Avg.) | MGD | | | | | | Continuous | Calculated |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 1<br>Mon. Site No. FLW-1 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Calculated |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 P<br>Mon. Site No. FLW-10 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Q<br>Mon. Site No. FLW-10 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 R<br>Mon. Site No. FLW-6 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 S<br>Mon. Site No. FLW-6 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 Y<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | 5.0<br>(An.Avg.) | | mg/L | | 5 Days/Week | 24-hr FPC |
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 10.0<br>(Max.) | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 Y<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | 5.0<br>(An.Avg.) | | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 10.0<br>(Max.) | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | 200<br>(An.Avg.) | | #/100mL | | 5 Days/Week | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 800<br>(Max.) | 400<br>(90th %) | 200<br>(Mo.Geo.Mn.) | #/100mL | | 5 Days/Week | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 P<br>Mon. Site No. EFA-2 | Permit Requirement | | | | | 200<br>(An.Avg.) | | #/100mL | | 5 Days/Week | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 Q<br>Mon. Site No. EFA-2 | Permit Requirement | | | | 800<br>(Max.) | 400<br>(90th %) | 200<br>(Mo.Geo.Mn.) | #/100mL | | 5 Days/Week | Grab |
| Enterococci | Sample Measurement | | | | | | | | | | |
| PARM Code 31639 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | 35<br>(Mo.Geo.Mn.) | 130<br>(90th %) | #/100mL | | 5 Days/Week | Grab |
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 6.5<br>(Min.) | | 8.5<br>(Max.) | s.u. | | Continuous | Meter |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorine, Total Residual (For Disinfection) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 0.5<br>(Min.) | | | mg/L | | Continuous | Meter |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 P<br>Mon. Site No. EFA-2 | Permit Requirement | | | | 0.5<br>(Min.) | | | mg/L | | Continuous | Meter |
| Chlorine, Total Residual (For Dechlorination) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | | | 0.01<br>(Max.) | mg/L | | Daily; 24 hours | Grab |
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 6.0<br>(Max.) | 4.5<br>(Max.Wk.Avg.) | 3.0<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 2.0<br>(Max.) | 1.5<br>(Max.Wk.Avg.) | 1.0<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Oxygen, Dissolved (DO) | Sample Measurement | | | | | | | | | | |
| PARM Code 00300 1<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 4.0<br>(Min.) | | | mg/L | | Daily; 24 hours | Grab |
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 P<br>Mon. Site No. EFD-1 | Permit Requirement | Report<br>(Mo.Total) | 54831<br>(An.Total) | lb/yr | | | | | | Monthly | Calculated |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 P<br>Mon. Site No. EFD-1 | Permit Requirement | Report<br>(Mo.Total) | 18278<br>(An.Total) | lb/yr | | | | | | Monthly | Calculated |
| LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Routine) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN3B P<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 100<br>(Min.) | | | percent | | Semi-Annually; twice per year | 4 grabs/24 hr. |
| LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN3B Q<br>Mon. Site No. EFD-1 | Permit Requirement | | | | 100<br>(Min.) | | | percent | | As needed | As required by the permit |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: D-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN3B R Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | As needed | As required by the permit |
| LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Routine) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN6H P Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | Semi-Annually; twice per year | 4 grabs/24 hr. |
| LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN6H Q Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | As needed | As required by the permit |
| LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional) | Sample Measurement | | | | | | | | | | |
| PARM Code TAN6H R Mon. Site No. EFD-1 | Permit Requirement | | | | 100 (Min.) | | | percent | | As needed | As required by the permit |
| Dichlorobromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32101 Y Mon. Site No. EFD-1 | Permit Requirement | | | | | 100 (An.Avg.) | | ug/L | | Monthly | Grab |
| Enterococci | Sample Measurement | | | | | | | | | | |
| PARM Code 31639 P Mon. Site No. EFD-1 | Permit Requirement | | | | | 35 (Mo.Geo.Mn.) | 104 (Max.) | #/100mL | | 5 Days/Week | Grab |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: Public Access Reuse, with Influent
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Y<br>Mon. Site No. FLW-2 | Permit Requirement | | 10.0<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 1<br>Mon. Site No. FLW-2 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | 20.0<br>(An.Avg.) | | mg/L | | 5 Days/Week | 24-hr FPC |
| BOD, Carbonaceous 5 day, 20C | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 60.0<br>(Max.) | 45.0<br>(Max.Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 B<br>Mon. Site No. EFB-1 | Permit Requirement | | | | | | 5.0<br>(Max.) | mg/L | | Daily; 24 hours | Grab |
| Coliform, Fecal | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | | 25<br>(Max.) | #/100mL | | Daily; 24 hours | Grab |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Coliform, Fecal, % less than detection | Sample Measurement | | | | | | | | | | |
| PARM Code 51005 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 75<br>(Min.Mo.Total) | | | percent | | Daily; 24 hours | Calculated |
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 6.0<br>(Min.) | | 8.5<br>(Max.) | s.u. | | Continuous | Meter |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement | | | | | | | | | | |
| PARM Code 50060 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | 1.0<br>(Min.) | | | mg/L | | Continuous | Meter |
| Turbidity | Sample Measurement | | | | | | | | | | |
| PARM Code 00070 B<br>Mon. Site No. EFB-1 | Permit Requirement | | | | | | Report<br>(Max.) | NTU | | Continuous | Meter |
| Flow (Ground Water from Hunters Ridge Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 P<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Ground Water from Hunters Ridge Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 Q<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Ground Water from Breakaway Trails Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 R<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Ground Water from Breakaway Trails Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 S<br>Mon. Site No. FLW-7 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (Concentrate) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 T<br>Mon. Site No. FLW-3 | Permit Requirement | | 1.0<br>(An.Avg.) | MGD | | | | | | Continuous | Meter |
| Flow (Concentrate) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 U<br>Mon. Site No. FLW-3 | Permit Requirement | | Report<br>(Mo.Avg.) | MGD | | | | | | Continuous | Meter |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | Report (An.Avg.) | | mg/L | | Weekly | 24-hr FPC |
| Nitrogen, Total | Sample Measurement | | | | | | | | | | |
| PARM Code 00600 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | | Report (Mo.Avg.) | mg/L | | Weekly | 24-hr FPC |
| Solids, Total Suspended (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 Y<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | Report (An.Avg.) | | mg/L | | Weekly | 24-hr FPC |
| Phosphorus, Total (as P) | Sample Measurement | | | | | | | | | | |
| PARM Code 00665 A<br>Mon. Site No. EFA-1 | Permit Requirement | | | | | | Report (Mo.Avg.) | mg/L | | Weekly | 24-hr FPC |
| pH (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | Report (Min.) | | Report (Max.) | s.u. | | Weekly | Grab |
| Specific Conductance (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00095 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | umhos/cm | | Continuous | Meter |
| Fluoride, Total (as F) (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Blend Ratio (1:2.5 Max Concentrate:Reclaimed) | Sample Measurement | | | | | | | | | | |
| PARM Code 51133 P<br>Mon. Site No. CAL-2 | Permit Requirement | | | | | | 0.40 (Max.) | ratio | | Continuous | Calculated |
| Sodium Adsorption Ratio (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00931 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | ratio | | Weekly | Calculated |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: R-001 PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sodium, Total Recoverable (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Magnesium, Total Recoverable (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00921 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Calcium, Total Recoverable (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00918 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Chloride (as Cl) (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Solids, Total Dissolved (TDS) (Blend) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P<br>Mon. Site No. OTH-1 | Permit Requirement | | | | | | Report (Max.) | mg/L | | Weekly | Grab |
| Flow (total through plant) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 G<br>Mon. Site No. INF-1 | Permit Requirement | | 8.0 (An.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Flow (total through plant) | Sample Measurement | | | | | | | | | | |
| PARM Code 50050 V<br>Mon. Site No. INF-1 | Permit Requirement | Report (Qt.Avg.) | Report (Mo.Avg.) | MGD | | | | | | Continuous | Flow Totalizer |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | Sample Measurement | | | | | | | | | | |
| PARM Code 00180 G<br>Mon. Site No. INF-1 | Permit Requirement | | | | | | Report (Mo.Avg.) | percent | | Monthly | Calculated |
| BOD, Carbonaceous 5 day, 20C (Influent) | Sample Measurement | | | | | | | | | | |
| PARM Code 80082 G<br>Mon. Site No. INF-2 | Permit Requirement | | | | | | Report (Max.) | mg/L | | 5 Days/Week | 24-hr FPC |
| Solids, Total Suspended (Influent) | Sample Measurement | | | | | | | | | | |
| PARM Code 00530 G<br>Mon. Site No. INF-2 | Permit Requirement | | | | | | Report (Max.) | mg/L | | 5 Days/Week | 24-hr FPC |

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: R-001
MONITORING GROUP DESCRIPTION: Public Access Reuse
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Quarterly
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Coliform, Fecal (Ground Water from Hunters Ridge Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 P Mon. Site No. OTH-2 | Permit Requirement | | | | | | Report (Max.) | #/100mL | | Quarterly | Grab |
| Coliform, Fecal (Ground Water from Breakaway Trails Well) | Sample Measurement | | | | | | | | | | |
| PARM Code 74055 Q Mon. Site No. OTH-3 | Permit Requirement | | | | | | Report (Max.) | #/100mL | | Quarterly | Grab |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

ISSUANCE/REISSUANCE DATE:
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RMP-Q
MONITORING GROUP DESCRIPTION: Biosolids Quantity
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Monthly
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Biosolids Quantity (Transferred) | Sample Measurement | | | | | | | | | | |
| PARM Code B0007 + Mon. Site No. RMP-1 | Permit Requirement | | Report (Mo.Total) | dry tons | | | | | | Monthly | Calculated |
| Biosolids Quantity (Landfilled) | Sample Measurement | | | | | | | | | | |
| PARM Code B0008 + Mon. Site No. RMP-1 | Permit Requirement | | Report (Mo.Total) | dry tons | | | | | | Monthly | Calculated |
| | | | | | | | | | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-I
MONITORING GROUP DESCRIPTION: Influent Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | Report (Min.) | | Report (Max.) | s.u. | | Annually | Grab |
| Oil and Grease, hexane extr method | Sample Measurement | | | | | | | | | | |
| PARM Code 00552 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/L | | Annually | Grab |
| Benzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Bromoform | Sample Measurement | | | | | | | | | | |
| PARM Code 32104 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34301 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorodibromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34306 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 85811 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chloroethyl vinyl ether (mixed) | Sample Measurement | | | | | | | | | | |
| PARM Code 34576 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroform | Sample Measurement | | | | | | | | | | |
| PARM Code 32106 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Dichlorobromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32101 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34566 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34496 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichloropropene | Sample Measurement | | | | | | | | | | |
| PARM Code 77163 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl bromide | Sample Measurement | | | | | | | | | | |
| PARM Code 34413 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34418 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methylene chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34423 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2,2-tetrachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34516 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Toluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-trans-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Vinyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34586 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34601 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dimethylphenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34606 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,6-dinitro-o-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 34657 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34616 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34591 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34646 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| p-chloro-m-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 82627 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenol, Single Compound | Sample Measurement | | | | | | | | | | |
| PARM Code 34694 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4,6-trichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34621 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34205 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34200 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34220 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 39120 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34526 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(b)fluoranthene (3,4-benzo) | Sample Measurement | | | | | | | | | | |
| PARM Code 79531 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(ghi)perylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34521 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(k)fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34242 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethoxy) methane | Sample Measurement | | | | | | | | | | |
| PARM Code 34278 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34273 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroisopropyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34283 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-bromophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34636 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Butyl benzyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34292 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2-chloronaphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34581 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-chlorophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34641 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chrysene | Sample Measurement | | | | | | | | | | |
| PARM Code 34320 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibenzo (a,h) anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34556 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 3,3'-dichlorobenzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 34631 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34336 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dimethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34341 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-butyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39110 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34611 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,6-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34626 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-octyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34596 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2-diphenylhydrazine | Sample Measurement | | | | | | | | | | |
| PARM Code 34346 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34376 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluorene | Sample Measurement | | | | | | | | | | |
| PARM Code 34381 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobutadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 39702 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34396 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Indeno (1,2,3-Cd) pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34403 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Isophorone | Sample Measurement | | | | | | | | | | |
| PARM Code 34408 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Naphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34696 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34447 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodimethylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34438 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodi-n-propylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34428 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodiphenylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34433 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenanthrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34461 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34469 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2,4-trichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Aldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39330 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alpha-bhc | Sample Measurement | | | | | | | | | | |
| PARM Code 39336 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| B-bhc-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 39338 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Delta benzene hexachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34259 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDT (p,p'-DDT) | Sample Measurement | | | | | | | | | | |
| PARM Code 39300 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDE (p,p'-DDE) | Sample Measurement | | | | | | | | | | |
| PARM Code 39320 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDD (p,p'-DDD) | Sample Measurement | | | | | | | | | | |
| PARM Code 39310 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dieldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39380 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| A-endosulfan-alpha | Sample Measurement | | | | | | | | | | |
| PARM Code 34361 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B-endosulfan-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 34356 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endosulfan sulfate | Sample Measurement | | | | | | | | | | |
| PARM Code 34351 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin aldehyde | Sample Measurement | | | | | | | | | | |
| PARM Code 34366 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1242 | Sample Measurement | | | | | | | | | | |
| PARM Code 39496 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1254 | Sample Measurement | | | | | | | | | | |
| PARM Code 39504 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1221 | Sample Measurement | | | | | | | | | | |
| PARM Code 39488 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1232 | Sample Measurement | | | | | | | | | | |
| PARM Code 39492 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1248 | Sample Measurement | | | | | | | | | | |
| PARM Code 39500 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1260 | Sample Measurement | | | | | | | | | | |
| PARM Code 39508 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1016 | Sample Measurement | | | | | | | | | | |
| PARM Code 34671 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Antimony, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 G Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-I PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Nickel, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silver, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Thallium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cyanide, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 78248 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Phenolic Compounds, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 70029 G<br>Mon. Site No. PRT-I | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-E
MONITORING GROUP DESCRIPTION: Effluent Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | Report (Min.) | | Report (Max.) | s.u. | | Annually | Grab |
| Oil and Grease, hexane extr method | Sample Measurement | | | | | | | | | | |
| PARM Code 00552 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/L | | Annually | Grab |
| Benzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Bromoform | Sample Measurement | | | | | | | | | | |
| PARM Code 32104 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34301 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorodibromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34306 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 85811 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chloroethyl vinyl ether (mixed) | Sample Measurement | | | | | | | | | | |
| PARM Code 34576 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Chloroform | Sample Measurement | | | | | | | | | | |
| PARM Code 32106 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Dichlorobromomethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32101 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34566 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34496 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,3-dichloropropene | Sample Measurement | | | | | | | | | | |
| PARM Code 77163 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl bromide | Sample Measurement | | | | | | | | | | |
| PARM Code 34413 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34418 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Methylene chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34423 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2,2-tetrachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34516 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Toluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-trans-dichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Vinyl chloride | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| 2-chlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34586 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34601 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dimethylphenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34606 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,6-dinitro-o-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 34657 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34616 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34591 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-nitrophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34646 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| p-chloro-m-cresol | Sample Measurement | | | | | | | | | | |
| PARM Code 82627 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenol, Single Compound | Sample Measurement | | | | | | | | | | |
| PARM Code 34694 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4,6-trichlorophenol | Sample Measurement | | | | | | | | | | |
| PARM Code 34621 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34205 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Acenaphthylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34200 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34220 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 39120 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34526 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(b)fluoranthene (3,4-benzo) | Sample Measurement | | | | | | | | | | |
| PARM Code 79531 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(ghi)perylene | Sample Measurement | | | | | | | | | | |
| PARM Code 34521 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(k)fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34242 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethoxy) methane | Sample Measurement | | | | | | | | | | |
| PARM Code 34278 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroethyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34273 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-chloroisopropyl) ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34283 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-bromophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34636 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Butyl benzyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34292 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2-chloronaphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34581 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4-chlorophenyl phenyl ether | Sample Measurement | | | | | | | | | | |
| PARM Code 34641 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chrysene | Sample Measurement | | | | | | | | | | |
| PARM Code 34320 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibenzo (a,h) anthracene | Sample Measurement | | | | | | | | | | |
| PARM Code 34556 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 3,3'-dichlorobenzidine | Sample Measurement | | | | | | | | | | |
| PARM Code 34631 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34336 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dimethyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34341 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-butyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 39110 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34611 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,6-dinitrotoluene | Sample Measurement | | | | | | | | | | |
| PARM Code 34626 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Di-n-octyl phthalate | Sample Measurement | | | | | | | | | | |
| PARM Code 34596 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2-diphenylhydrazine | Sample Measurement | | | | | | | | | | |
| PARM Code 34346 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluoranthene | Sample Measurement | | | | | | | | | | |
| PARM Code 34376 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Fluorene | Sample Measurement | | | | | | | | | | |
| PARM Code 34381 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobutadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 39702 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachloroethane | Sample Measurement | | | | | | | | | | |
| PARM Code 34396 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Indeno (1,2,3-Cd) pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34403 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Isophorone | Sample Measurement | | | | | | | | | | |
| PARM Code 34408 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Naphthalene | Sample Measurement | | | | | | | | | | |
| PARM Code 34696 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34447 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodimethylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34438 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodi-n-propylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34428 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| N-nitrosodiphenylamine | Sample Measurement | | | | | | | | | | |
| PARM Code 34433 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Phenanthrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34461 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pyrene | Sample Measurement | | | | | | | | | | |
| PARM Code 34469 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,2,4-trichlorobenzene | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Aldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39330 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alpha-bhc | Sample Measurement | | | | | | | | | | |
| PARM Code 39336 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| B-bhc-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 39338 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Delta benzene hexachloride | Sample Measurement | | | | | | | | | | |
| PARM Code 34259 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDT (p,p'-DDT) | Sample Measurement | | | | | | | | | | |
| PARM Code 39300 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDE (p,p'-DDE) | Sample Measurement | | | | | | | | | | |
| PARM Code 39320 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 4,4'-DDD (p,p'-DDD) | Sample Measurement | | | | | | | | | | |
| PARM Code 39310 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dieldrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39380 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| A-endosulfan-alpha | Sample Measurement | | | | | | | | | | |
| PARM Code 34361 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| B-endosulfan-beta | Sample Measurement | | | | | | | | | | |
| PARM Code 34356 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endosulfan sulfate | Sample Measurement | | | | | | | | | | |
| PARM Code 34351 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin aldehyde | Sample Measurement | | | | | | | | | | |
| PARM Code 34366 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1242 | Sample Measurement | | | | | | | | | | |
| PARM Code 39496 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1254 | Sample Measurement | | | | | | | | | | |
| PARM Code 39504 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1221 | Sample Measurement | | | | | | | | | | |
| PARM Code 39488 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1232 | Sample Measurement | | | | | | | | | | |
| PARM Code 39492 1 Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PCB-1248 | Sample Measurement | | | | | | | | | | |
| PARM Code 39500 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1260 | Sample Measurement | | | | | | | | | | |
| PARM Code 39508 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| PCB-1016 | Sample Measurement | | | | | | | | | | |
| PARM Code 34671 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Antimony, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-E PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Nickel, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silver, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Thallium, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cyanide, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 78248 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| Phenolic Compounds, Total Recoverable | Sample Measurement | | | | | | | | | | |
| PARM Code 70029 1<br>Mon. Site No. PRT-E | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | ug/L | | Annually | Grab |
| | | | | | | | | | | | |
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ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: PRT-R
MONITORING GROUP DESCRIPTION: Residuals Pretreatment
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic Total, Dry Weight, Sludge | Sample Measurement | | | | | | | | | | |
| PARM Code 49565 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Cadmium, Sludge, Tot. Dry Wt. (Cd) | Sample Measurement | | | | | | | | | | |
| PARM Code 78476 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Copper, Sludge, Tot, Dry Wt. (as Cu) | Sample Measurement | | | | | | | | | | |
| PARM Code 78475 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Lead, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78468 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Mercury, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78471 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Molybdenum, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78465 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |

*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: PRT-R PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nickel, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78469 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Selenium Sludge Solid | Sample Measurement | | | | | | | | | | |
| PARM Code 61518 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
| Zinc, Dry Weight | Sample Measurement | | | | | | | | | | |
| PARM Code 78467 + Mon. Site No. PRT-R | Permit Requirement | | | | | Report (An.Avg.) | Report (Max.) | mg/kg | | Annually | Composite |
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ISSUANCE/REISSUANCE DATE:

DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | BOD, Carbonaceous 5 day, 20C (Influent) mg/L | BOD, Carbonaceous 5 day, 20C mg/L | BOD, Carbonaceous 5 day, 20C mg/L | Calcium, Total Recoverable (Blend) mg/L | Chloride (as Cl) (Blend) mg/L | Chlorine, Total Residual (For Dechlorination) mg/L | Chlorine, Total Residual (For Disinfection) mg/L | Chlorine, Total Residual (For Disinfection) mg/L | Coliform, Fecal #/100mL | Coliform, Fecal #/100mL | Dichlorobromomethane ug/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 80082 | 80082 | 80082 | 00918 | 00940 | 50060 | 50060 | 50060 | 74055 | 74055 | 32101 |
| Mon. Site | INF-2 | EFA-1 | EFD-1 | OTH-1 | OTH-1 | EFD-1 | EFA-1 | EFA-2 | EFA-1 | EFA-2 | EFD-1 |
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| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | Enterococci #/100mL | Flow (Concentrate) MGD | Flow (Ground Water from Breakaway Trails Well) MGD | Flow (total through plant) MGD | Flow MGD | Flow MGD | Flow MGD | Fluoride, Total (as F) (Blend) mg/L | Magnesium, Total Recoverable (Blend) mg/L | Nitrogen, Total mg/L | Nitrogen, Total mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 31639 | 50050 | 50050 | 50050 | 50050 | 50050 | 50050 | 00951 | 00921 | 00600 | 00600 |
| Mon. Site | EFD-1 | FLW-3 | FLW-7 | INF-1 | FLW-10 | FLW-2 | FLW-6 | OTH-1 | OTH-1 | EFA-1 | EFD-1 |
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| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | Oxygen, Dissolved (DO) mg/L | Phosphorus, Total (as P) mg/L | Phosphorus, Total (as P) mg/L | Sodium, Total Recoverable (Blend) mg/L | Solids, Total Dissolved (TDS) (Blend) mg/L | Solids, Total Suspended (Blend) mg/L | Solids, Total Suspended (Influent) mg/L | Solids, Total Suspended mg/L | Solids, Total Suspended mg/L | Specific Conductance (Blend) umhos/cm | Turbidity NTU |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 00300 | 00665 | 00665 | 00923 | 70295 | 00530 | 00530 | 00530 | 00530 | 00095 | 00070 |
| Mon. Site | EFD-1 | EFA-1 | EFD-1 | OTH-1 | OTH-1 | OTH-1 | INF-2 | EFB-1 | EFD-1 | OTH-1 | EFB-1 |
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| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# DAILY SAMPLE RESULTS - PART B

Permit Number: FL0020532-023-DW1P Facility: Ormond Beach WRF
Monitoring Period From: _____ To: _____

| | pH (Blend) s.u. | pH Min s.u. | pH Max s.u. | pH Min s.u. | pH Max s.u. | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | 00400 | 00400 | 00400 | 00400 | 00400 | | | | | | |
| Mon. Site | OTH-1 | EFA-1 | EFA-1 | EFD-1 | EFD-1 | | | | | | |
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| Total | | | | | | | | | | | |
| Mo. Avg. | | | | | | | | | | | |

PLANT STAFFING:

Day Shift Operator Class: _____ Certificate No: _____ Name: _____

Evening Shift Operator Class: _____ Certificate No: _____ Name: _____

Night Shift Operator Class: _____ Certificate No: _____ Name: _____

Lead Operator Class: _____ Certificate No: _____ Name: _____

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWB-1
Well Type: Background
Description: Well Name MW-1 Golf Course WAFR 7328 3064A16235
Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | Report | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | Report | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | Report | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | Report | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | Report | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | Report | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | Report | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | Report | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | Report | mg/L | Grab | Quarterly | | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-2
Well Type: Compliance
Description: Well Name MW-2 Golf Course WAFR 7327 3064A16236

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-3A
Well Type: Compliance
Description: Well Name MW-3A Golf Course WAFR 46550 3064A16237

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-4
Well Type: Compliance
Description: Well Name MW-4 Golf Course WAFR 7325 3064A16238
Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: Ormond Beach WRF
Permit Number: FL0020532-023-DW1P
County: Volusia

Monitoring Well ID: MWC-5A
Well Type: Compliance
Description: Well Name MW-5A Golf Course WAFR 46551 3064A16239

Report Frequency: Quarterly
Program: Domestic

Office: Central District

Re-submitted DMR: ☐

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes ___ No

| Parameter | PARM Code | Sample Measurement | Permit Requirement | Units | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---|---|---|---|---|---|---|---|---|---|---|
| Water Level Relative to NGVD | 82545 | | Report | ft | In Situ | Quarterly | | | | |
| Nitrogen, Nitrate, Total (as N) | 00620 | | 10 | mg/L | Grab | Quarterly | | | | |
| Solids, Total Dissolved (TDS) | 70295 | | 500 | mg/L | Grab | Quarterly | | | | |
| Chloride (as Cl) | 00940 | | 250 | mg/L | Grab | Quarterly | | | | |
| Coliform, Fecal | 74055 | | 4 | #/100mL | Grab | Quarterly | | | | |
| pH | 00400 | | 6.5-8.5 | s.u. | Grab | Quarterly | | | | |
| Sulfate, Total | 00945 | | 250 | mg/L | Grab | Quarterly | | | | |
| Turbidity | 00070 | | Report | NTU | Grab | Quarterly | | | | |
| Sodium, Total Recoverable | 00923 | | 160 | mg/L | Grab | Quarterly | | | | |
| Trihalomethane, Total by summation | 82080 | | 80 | ug/L | Grab | Quarterly | | | | |
| Bis (2-ethylhexyl) phthalate | 39100 | | 0.006 | mg/L | Grab | Quarterly | | | | |
| | | | | | | | | | | |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENTS AND EXPLANATION (Reference all attachments here):

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

| CODE | DESCRIPTION/INSTRUCTIONS |
|---|---|
| ANC | Analysis not conducted. |
| DRY | Dry Well |
| FLD | Flood disaster. |
| IFS | Insufficient flow for sampling. |
| LS | Lost sample. |
| MNR | Monitoring not required this period. |

| CODE | DESCRIPTION/INSTRUCTIONS |
|---|---|
| NOD | No discharge from/to site. |
| OPS | Operations were shutdown so no sample could be taken. |
| OTH | Other. Please enter an explanation of why monitoring data were not available. |
| SEF | Sampling equipment failure. |

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

### PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)
**No Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.
**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
**Sample Measurement:** Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.
**No. Ex.:** Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.
**Frequency of Analysis:** The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.
**Sample Type:** The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.
**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
**Comment and Explanation of Any Violations:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

**PART B - DAILY SAMPLE RESULTS**

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
**Daily Monitoring Results:** Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

| CODE | DESCRIPTION/INSTRUCTIONS |
|---|---|
| < | The compound was analyzed for but not detected. |
| A | Value reported is the mean (average) of two or more determinations. |
| J | Estimated value, value not accurate. |
| Q | Sample held beyond the actual holding time. |
| Y | Laboratory analysis was from an unpreserved or improperly preserved sample. |

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.
**Plant Staffing:** List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

**PART D - GROUND WATER MONITORING REPORT**

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.
**Date Sample Obtained:** Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.
**Time Sample Obtained:** Enter the time the sample was taken.
**Sample Measurement:** Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.
**Detection Limits:** Record the detection limits of the analytical methods used.
**Analysis Method:** Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.
**Sampling Equipment Used:** Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)
**Samples Filtered:** Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).
**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.
**Comments and Explanation:** Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

**SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES**

**Flow (Limited Wet Weather Discharge):** Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).
**Flow (Upstream):** Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.
**Actual Stream Dilution Ratio:** To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.
**No. of Days the SDF > Stream Dilution Ratio:** For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.
**$CBOD_5$:** Enter the average $CBOD_5$ of the reclaimed water discharged during the period shown in duration of discharge.
**TKN:** Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.
**Actual Rainfall:** Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.
**Rainfall During Average Rainfall Year:** On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.
**No. of Days LWWD Activated During Calendar Year:** Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.
**Reason for Discharge:** Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: City of Ormond Beach
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia

OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-A
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED:* ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)** | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

*THE "MONITORING NOT REQUIRED" CHECKBOX SHOULD BE SELECTED WHEN A CERTIFICATION STATEMENT IN ACCORDANCE WITH SUBSECTION 62-600.680(2), F.A.C., IS SUBMITTED WITH THIS DMR. SEE CERTIFICATION STATEMENT IN COMMENTS SECTION BELOW.
**GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
☐ NO NEW NON-DOMESTIC WASTEWATER DISCHARGERS HAVE BEEN ADDED TO THE COLLECTION SYSTEM SINCE THE LAST RECLAIMED WATER OR EFFLUENT ANALYSIS WAS CONDUCTED.
SIGN AND DATE:

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-A PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-A | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| | | | | | | | | | | | |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Ormond Beach
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174-6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-B (Blend)
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)* | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-B PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-B | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| | | | | | | | | | | | |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: City of Ormond Beach
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174-6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia
OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-C (Concentrate)
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED: ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)* | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P<br>Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | Grab |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | Grab |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-C PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-C | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| | | | | | | | | | | | |
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**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** http://www.fldepportal.com/go/

PERMITTEE NAME: Ormond Beach, City of
MAILING ADDRESS: 22 S Beach St
Ormond Beach, Florida 32174- 6386

FACILITY: Ormond Beach WRF
LOCATION: 550 N Orchard St
Ormond Beach, FL 32174-9512

COUNTY: Volusia

OFFICE: Central District

PERMIT NUMBER: FL0020532-023-DW1P

LIMIT: Final
CLASS SIZE: MA
MONITORING GROUP NUMBER: RWS-G
MONITORING GROUP DESCRIPTION: Groundwater (MWC-5A) Analysis
RE-SUBMITTED DMR: ☐
NO DISCHARGE FROM SITE: ☐
MONITORING NOT REQUIRED:* ☐
MONITORING PERIOD From: _____ To: _____

REPORT FREQUENCY: Annually
PROGRAM: Domestic

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total Recoverable (GWS = 6)** | Sample Measurement | | | | | | | | | | |
| PARM Code 01268 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Arsenic, Total Recoverable (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00978 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Barium, Total Recoverable (GWS = 2,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01009 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Beryllium, Total Recoverable (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 00998 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Cadmium, Total Recoverable (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01113 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chromium, Total Recoverable (GWS =100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01118 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

*THE "MONITORING NOT REQUIRED" CHECKBOX SHOULD BE SELECTED WHEN A CERTIFICATION STATEMENT IN ACCORDANCE WITH SUBSECTION 62-600.680(2), F.A.C., IS SUBMITTED WITH THIS DMR. SEE CERTIFICATION STATEMENT IN COMMENTS SECTION BELOW.
**GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|---|---|---|
| | | | |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
☐ NO NEW NON-DOMESTIC WASTEWATER DISCHARGERS HAVE BEEN ADDED TO THE COLLECTION SYSTEM SINCE THE LAST RECLAIMED WATER OR EFFLUENT ANALYSIS WAS CONDUCTED.
SIGN AND DATE:

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cyanide, Free (amen. to chlorination)(GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 00722 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Fluoride, Total (as F) (GWS = 4.0/2.0) | Sample Measurement | | | | | | | | | | |
| PARM Code 00951 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Lead, Total Recoverable (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 01114 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Mercury, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 71901 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nickel, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01074 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrate, Total (as N) (GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00620 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrogen, Nitrite, Total (as N) (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 00615 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement | | | | | | | | | | |
| PARM Code 00630 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Selenium, Total Recoverable (GWS =50) | Sample Measurement | | | | | | | | | | |
| PARM Code 00981 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sodium, Total Recoverable (GWS = 160) | Sample Measurement | | | | | | | | | | |
| PARM Code 00923 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thallium, Total Recoverable (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 00982 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 1,1-dichloroethylene (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 34501 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,1-trichloroethane (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 34506 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,1,2-trichloroethane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34511 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloroethane (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32103 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichloropropane (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34541 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2,4-trichlorobenzene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 34551 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 34030 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Carbon tetrachloride (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 32102 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Cis-1,2-dichloroethene (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 81686 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 03821 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Ethylbenzene (GWS = 700) | Sample Measurement | | | | | | | | | | |
| PARM Code 34371 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Monochlorobenzene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34031 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-dichlorobenzene (GWS = 600) | Sample Measurement | | | | | | | | | | |
| PARM Code 34536 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,4-dichlorobenzene (GWS = 75) | Sample Measurement | | | | | | | | | | |
| PARM Code 34571 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Styrene, Total (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 77128 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Tetrachloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 34475 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Toluene (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 34010 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 1,2-trans-dichloroethylene (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 34546 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Trichloroethylene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39180 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39175 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Xylenes (GWS = 10,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 81551 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10^-5) | Sample Measurement | | | | | | | | | | |
| PARM Code 34675 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| 2,4-dichlorophenoxyacetic acid (GWS = 70) | Sample Measurement | | | | | | | | | | |
| PARM Code 39730 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Silvex (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 39760 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Alachlor (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39161 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Atrazine (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39033 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Benzo(a)pyrene (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 34247 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Carbofuran (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 81405 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Chlordane (tech mix. and metabolites)(GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39350 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dalapon (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38432 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis(2-ethylhexyl)adipate (GWS = 400) | Sample Measurement | | | | | | | | | | |
| PARM Code 77903 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Bis (2-ethylhexyl) phthalate (GWS = 6) | Sample Measurement | | | | | | | | | | |
| PARM Code 39100 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Dibromochloropropane (DBCP) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 82625 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Dinoseb (GWS = 7) | Sample Measurement | | | | | | | | | | |
| PARM Code 30191 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Diquat (GWS = 20) | Sample Measurement | | | | | | | | | | |
| PARM Code 04443 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endothall (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 38926 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Endrin (GWS = 2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39390 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement | | | | | | | | | | |
| PARM Code 77651 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | Grab |
| Glyphosate (GWS = 0.7) | Sample Measurement | | | | | | | | | | |
| PARM Code 79743 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Heptachlor (GWS = 0.4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39410 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Heptachlor epoxide (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39420 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorobenzene (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39700 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Hexachlorocyclopentadiene (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 34386 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Gamma BHC (Lindane) (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 39782 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Methoxychlor (GWS = 40) | Sample Measurement | | | | | | | | | | |
| PARM Code 39480 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Oxamyl (vydate) (GWS = 200) | Sample Measurement | | | | | | | | | | |
| PARM Code 38865 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Pentachlorophenol (GWS = 1) | Sample Measurement | | | | | | | | | | |
| PARM Code 39032 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Picloram (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 39720 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Polychlorinated Biphenyls (PCBs)(GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 39516 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF MONITORING GROUP NUMBER: RWS-G PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Simazine (GWS = 4) | Sample Measurement | | | | | | | | | | |
| PARM Code 39055 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Toxaphene (GWS = 3) | Sample Measurement | | | | | | | | | | |
| PARM Code 39400 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement | | | | | | | | | | |
| PARM Code 82080 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | Grab |
| Radium 226 + Radium 228, Total (GWS = 5) | Sample Measurement | | | | | | | | | | |
| PARM Code 11503 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Alpha, Gross Particle Activity (GWS = 15) | Sample Measurement | | | | | | | | | | |
| PARM Code 80045 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | pCi/L | | Annually | 24-hr FPC |
| Aluminum, Total Recoverable (GWS = 0.2) | Sample Measurement | | | | | | | | | | |
| PARM Code 01104 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Chloride (as Cl) (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00940 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Iron, Total Recoverable (GWS = 0.3) | Sample Measurement | | | | | | | | | | |
| PARM Code 00980 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Copper, Total Recoverable (GWS = 1,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01119 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Manganese, Total Recoverable (GWS = 50) | Sample Measurement | | | | | | | | | | |
| PARM Code 11123 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: Ormond Beach WRF

MONITORING GROUP NUMBER: RWS-G

PERMIT NUMBER: FL0020532-023-DW1P

MONITORING PERIOD From: _____ To: _____

| Parameter | | Quantity or Loading | | Units | Quality or Concentration | | | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Silver, Total Recoverable (GWS = 100) | Sample Measurement | | | | | | | | | | |
| PARM Code 01079 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| Sulfate, Total (GWS = 250) | Sample Measurement | | | | | | | | | | |
| PARM Code 00945 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Zinc, Total Recoverable (GWS = 5,000) | Sample Measurement | | | | | | | | | | |
| PARM Code 01094 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | ug/L | | Annually | 24-hr FPC |
| pH (GWS = 6.5-8.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 00400 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | s.u. | | Annually | Grab |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement | | | | | | | | | | |
| PARM Code 70295 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| Foaming Agents (GWS = 0.5) | Sample Measurement | | | | | | | | | | |
| PARM Code 01288 P Mon. Site No. RWS-G | Permit Requirement | | | | | | Report (Max.) | mg/L | | Annually | 24-hr FPC |
| | | | | | | | | | | | |
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**FACT SHEET**
**FOR**
**STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0020532-023 (Major)

FACILITY NAME: Ormond Beach WRF

FACILITY LOCATION: 550 N Orchard St,
Ormond Beach, FL 32174-9512
Volusia County

NAME OF PERMITTEE: City of Ormond Beach

PERMIT WRITER: Dennise Judy

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0020532-023-DW1P
Application Submittal Date: June 13, 2019

b. Type of Facility

Domestic Wastewater Treatment Plant
Ownership Type: Municipal
SIC Code: 4952

c. Facility Capacity

| | |
|---|---|
| Existing Permitted Capacity: | 8.0 MGD Annual Average Daily Flow |
| Proposed Increase in Permitted Capacity: | 0.0 MGD Annual Average Daily Flow |
| Proposed Total Permitted Capacity: | 8.0 MGD Annual Average Daily Flow |

d. Description of Wastewater Treatment

Treatment is provided by an existing 8.0 MGD annual average daily flow (AADF) permitted capacity advanced wastewater treatment (AWT) plant with an odor control system, influent screening, grit removal, biological nutrient removal (carousel type, 5-stage Bardenpho Process), re-aeration, chemical feed facilities, secondary clarification, tertiary filtration, high level disinfection, with post-aeration and dechlorination for the river discharge, and thickening, followed by dewatering, of biosolids. This permit authorizes modification of the piping, valving, and associated appurtenances to retrofit an existing Reclaimed Water (RW) Equalization (EQ) basin for use as a supplemental chlorine contact chamber.

e. Description of Effluent Disposal and Land Application Sites

**R-001** is an existing 10.0 MGD annual average daily flow permitted capacity slow-rate public access system. R-001 consists of irrigation within the approved Reuse Service Area as shown on the attached map, to the major users identified in Part IV.A.2 of this permit. This reuse system also receives reclaimed water (RW) from the Holly Hill RW system. Excess reclaimed water, and substandard effluent, is discharged to D-001.

The Hunter's Ridge and Breakaway Trails RW storage systems receive water from supplemental groundwater wells prior to distribution within the service area.

Demineralization concentrate is blended with reclaimed water going to the slow-rate public access R-001.

**D-001** is an existing 6.0 MGD annual average daily flow discharge to the Halifax River, Class III Marine waters, (WBID# 2363B). The outfall pipe is approximately 1000 feet in length and discharges at a depth of approximately 5 feet. The point of discharge is located approximately at latitude 29°17' 50" N, longitude 81°3' 26" W.

2. SUMMARY OF SURFACE WATER DISCHARGE

Pollutants which are present in significant quantities or which are subject to permit limitations are as follows:

| Parameter | Units | Max/Min | Reported Value (11/30/2018 through 10/31/2019) | Statistical Basis |
|---|---|---|---|---|
| Flow | MGD | Min | 0.03 | Monthly Average |
| Flow | MGD | Max | 5.40 | Monthly Average |
| BOD, Carbonaceous 5 day, 20C | mg/L | Min | 1.0 | Monthly Average |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 4.15 | Monthly Average |
| Solids, Total Suspended | mg/L | Min | 0.5 | Monthly Average |
| Solids, Total Suspended | mg/L | Max | 1.23 | Monthly Average |
| Coliform, Fecal | #/100mL | Min | 0.50 | Monthly Average |
| Coliform, Fecal | #/100mL | Max | 1.25 | Monthly Average |
| pH | s.u. | Min | 7.1 | Single Sample |
| pH | s.u. | Max | 8.4 | Single Sample |
| Chlorine, Total Residual | mg/L | Min | 0.4 | Single Sample |
| Chlorine, Total Residual | mg/L | Max | 1.4 | Single Sample |
| Chlorine, Total Residual | mg/L | Min | 0.01 | Monthly Average |
| Chlorine, Total Residual | mg/L | Max | 0.01 | Monthly Average |
| Nitrogen, Total | mg/L | Min | 1.4 | Monthly Average |
| Nitrogen, Total | mg/L | Max | 2.8 | Monthly Average |
| Phosphorus, Total (as P) | mg/L | Min | 0.04 | Monthly Average |
| Phosphorus, Total (as P) | mg/L | Max | 0.2 | Monthly Average |
| Oxygen, Dissolved (DO) | mg/L | Min | 6.1 | Single Sample |
| Oxygen, Dissolved (DO) | mg/L | Max | 7.9 | Single Sample |
| Chlorodibromomethane | ug/L | Min | 13.9 | Annual Average |
| Chlorodibromomethane | ug/L | Max | 15.4 | Annual Average |
| Dichlorobromomethane | ug/L | Min | 33.7 | Annual Average |
| Dichlorobromomethane | ug/L | Max | 39.1 | Annual Average |
| Copper, Total Recoverable | ug/L | Min | 0.90 | Single Sample |
| Copper, Total Recoverable | ug/L | Max | 0.93 | Single Sample |
| Zinc, Total Recoverable | ug/L | Min | 24.9 | Single Sample |
| Zinc, Total Recoverable | ug/L | Max | 49.7 | Single Sample |

This facility does not have a new or expanded discharge to surface waters.

The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

This facility is authorized to discharge effluent from Outfall D-001 to the Halifax River based on the following:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow | MGD | Max | 6.0 | Annual Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Annual Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Annual Average | 62-600.700(2)(b) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 5.0 | Annual Average | 62-600.430(1)(b) FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 6.25 | Monthly Average | 62-600.740(2)(b)2 FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 7.5 | Weekly Average | 62-600.740(2)(b)3 FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 10.0 | Single Sample | 62-600.740(2)(b)4 FAC |
| Solids, Total Suspended | mg/L | Max | 5.0 | Annual Average | 62-600.430(1)(b) FAC |
| Solids, Total Suspended | mg/L | Max | 6.25 | Monthly Average | 62-600.740(2)(b)2 FAC |
| Solids, Total Suspended | mg/L | Max | 7.5 | Weekly Average | 62-600.740(2)(b)3 FAC |
| Solids, Total Suspended | mg/L | Max | 10.0 | Single Sample | 62-600.740(2)(b)4 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Monthly Geometric Mean | 62-600.640(5)(a)2 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Annual Average | 62-600.640(5)(a)1 FAC |
| Coliform, Fecal | #/100mL | Max | 400 | 90th Percentile | 62-600.640(5)(a)3 FAC |
| Coliform, Fecal | #/100mL | Max | 800 | Single Sample | 62-600.640(5)(a)4 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Monthly Geometric Mean | 62-600.640(5)(a)2 FAC |
| Coliform, Fecal | #/100mL | Max | 200 | Annual Average | 62-600.640(5)(a)1 FAC |
| Coliform, Fecal | #/100mL | Max | 400 | 90th Percentile | 62-600.640(5)(a)3 FAC |
| Coliform, Fecal | #/100mL | Max | 800 | Single Sample | 62-600.640(5)(a)4 FAC |
| Enterococci | #/100mL | Max | 35 | Monthly Geometric Mean | 62-302.530 FAC |
| Enterococci | #/100mL | Max | 130 | 90th Percentile | 62-302.530 FAC |
| pH | s.u. | Min | 6.5 | Single Sample | 62-600.430, 62-302.530(52) & 62-650 FAC |
| pH | s.u. | Max | 8.5 | Single Sample | 62-600.430, 62-302.530(52) & 62-650 FAC |

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | 62-600.440(5)(c) FAC |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 0.5 | Single Sample | 62-600.440(5)(c) FAC |
| Chlorine, Total Residual (For Dechlorination) | mg/L | Max | 0.01 | Single Sample | 62-600.440(2) & 62-302.530(18) FAC |
| Nitrogen, Total | mg/L | Max | 3.0 | Monthly Average | 62-650 FAC |
| Nitrogen, Total | mg/L | Max | 4.5 | Weekly Average | 62-600.740(2)(b)3. FAC |
| Nitrogen, Total | mg/L | Max | 6.0 | Single Sample | 62-600.740(2)(b)4. FAC |
| Phosphorus, Total (as P) | mg/L | Max | 1.0 | Monthly Average | 62-650 FAC |
| Phosphorus, Total (as P) | mg/L | Max | 1.5 | Weekly Average | 62-600.740(2)(b)3. FAC |
| Phosphorus, Total (as P) | mg/L | Max | 2.0 | Single Sample | 62-600.740(1)(b)2.c. FAC |
| Oxygen, Dissolved (DO) | mg/L | Min | 4.0 | Single Sample | 62-650 FAC |
| Nitrogen, Total | lb/yr | Max | 54831 | Annual Total | |
| Nitrogen, Total | lb/yr | Max | Report | Monthly Total | |
| Phosphorus, Total (as P) | lb/yr | Max | 18278 | Annual Total | |
| Phosphorus, Total (as P) | lb/yr | Max | Report | Monthly Total | |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia) | percent | Min | 100 | Single Sample | 62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC |
| Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi) | percent | Min | 100 | Single Sample | 62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC |
| Dichlorobromomethane | ug/L | Max | 100 | Annual Average | 62-302.530(35)(b)5 FAC |
| Enterococci | #/100mL | Max | 35 | Monthly Geometric Mean | 62-302.500(1)(a)6. and 40 CFR Part 131.41 |
| Enterococci | #/100mL | Max | 104 | Single Sample | 62-302.500(1)(a)6. and 40 CFR Part 131.41 |

Because there is no established relationship between fecal coliform and enterococci bacteria, limitations based on both the disinfection requirements for fecal coliform from Rule 62-600.440, F.A.C., and based on the bacteriological water quality standards for enterococci for discharges to Class III predominately marine waters under Rule 62-302.530, F.A.C., have been included in the permit.

In addition to the specified limits in Condition I.A.1., the monthly average effluent concentration for carbonaceous biochemical oxygen demand (5-day) and total suspended solids shall not exceed 15% of the respective influent values (i.e., 85% removal).

A mixing zone for dichlorobromomethane (DCBM) has been approved in accordance with DEP permit file number: FL0020532-012-DW1P and is described as a rectangle centered along the diffuser with a mixing zone of 539 square meters.

Original effluent limitations were based on a Level II WQBEL titled "Halifax River Documentation, Water Quality Based Effluent Limitations," Vol. 2, No. 106, Water Quality Technical Series which was finalized by Wayne Magley and Linda Lakes on August 1, 1990. The WQBEL did not specify TSS limits. The annual effluent limitations for $CBOD_5$ TSS, TN and TP are Advanced Wastewater Treatment (AWT) limits, which are more stringent than the WQBEL. These limits were requested by the applicant during a previous permit renewal and have been included in all permits since then. The Waste Load allocation (WLA) for the Ormond Beach WRF discharge that was included in the 2013 Total Maximum Daily Load (TMDL) Report for the Halifax River replaced the original WQBEL limits. However, the TMDL document incorrectly stated the nitrogen concentration limit for the discharge to surface waters at 6.0 mg/L instead of the correct 3.0 mg/L concentration. **Backsliding is not permitted by EPA and the information was incorrect; therefore, the WLA remains at 54,831 lbs/yr (not 109,666 lbs/yr as stated in the TMDL final report.)** The concentration limits for $CBOD_5$ remain as stated in the previous permit. Although this segment of the Halifax River is also impaired for coliforms, the Department wastewater permit limits for fecal coliforms by rule are equivalent to the water quality standard for fecal coliform and therefore the discharge is not considered to be contributing to the coliform impairment.

The waste load allocations for this facility remain as follows:

| Parameter | Mass Loading (Lbs./year) |
|---|---|
| CBOD5 | 182,865 (based on 5 mg/L annual average) |
| Total Nitrogen | 54750 (based on 3 mg/L annual average) |
| Total Phosphorus | 18278 (based on 1 mg/L annual average) |

In previous permits, these limits were reported in lb/day; at 501, 150, and 50 for CBOD, TN and TP, respectively. The most recent permit required monthly total and cumulative total, for all months through the reporting month, for a given calendar year - January thru December – and is continued in this permit. The mass load limits are based on a calendar year. Basic level disinfection for the surface water discharge is required, as in the two previous permits, and is continued in this permit.

The minimum Dissolved Oxygen (DO) level of 2.0 mg/L in the earlier permits was established by the WQBEL document. However, on September 9, 2013, EPA approved revisions to Florida's criteria for DO. The revision also allowed a single sample maximum limit that meets the criteria under all conditions to be proposed by the applicant. The permittee proposed a single sample minimum DO of 4.0 mg/L. The saturation limit for oxygen in this segment of Halifax River at 60 F -the assumed minimum temperature of the effluent - would be 9.85 mg/L. Based on this value, the 38% daily average would be 4.0 mg/L, therefore, this has been established as the DO limit.

Technology based effluent limitations (TBELs) are minimum waste treatment requirements based on treatment technologies for reducing discharges of pollutants into receiving waters. TBELs are established, for domestic wastewater facilities, by state rule and statute in Chapters 62-600, 62-610, 62-611, 62-620, F.A.C., and Section 403.086, F.S.; they may also be developed in accordance with best professional judgment. TBELs are included in the permit for the following pollutants of concern:

| Parameter | Units | Monitoring Location | Monitoring Group |
|---|---|---|---|
| Flow | MGD | FLW-1 | D-001 |
| Flow | MGD | FLW-6 | D-001 |
| Chlorine, Total Residual (For Disinfection) | mg/L | EFA-1 | D-001 |
| Chlorine, Total Residual (For Disinfection) | mg/L | EFA-2 | D-001 |

Water quality based effluent limitations (WQBELs) are effluent limitations, which may be more stringent than a technology based effluent limitation, that have been determined necessary by the Department to ensure that water quality standards in a receiving body of water will not be violated. WQBELs are developed in accordance with Chapter 62-650, F.A.C., and are based on the characteristics of the discharge, the receiving water characteristics, and the criteria and standards in Chapters 62-4, 62-302, and the 62-600 series, F.A.C.; they may also be developed based on Total Maximum Daily Load (TMDL) allocations adopted in Chapter 62-304, F.A.C., or allocations developed as part of a Basin Management Action Plan (BMAP) or a Reasonable Assurance Plan (RAP). WQBELs are included in the permit for the following pollutants of concern:

| Parameter | Units | Monitoring Location | Monitoring Group |
|---|---|---|---|
| BOD, Carbonaceous 5 day, 20C | mg/L | EFD-1 | D-001 |
| Solids, Total Suspended | mg/L | EFD-1 | D-001 |
| Coliform, Fecal | #/100mL | EFA-1 | D-001 |
| Coliform, Fecal | #/100mL | EFA-2 | D-001 |
| Enterococci | #/100mL | EFD-1 | D-001 |
| pH | s.u. | EFD-1 | D-001 |
| Chlorine, Total Residual (For Dechlorination) | mg/L | EFD-1 | D-001 |
| Nitrogen, Total | mg/L | EFD-1 | D-001 |
| Phosphorus, Total (as P) | mg/L | EFD-1 | D-001 |
| Oxygen, Dissolved (DO) | mg/L | EFD-1 | D-001 |
| Nitrogen, Total | lb/yr | EFD-1 | D-001 |
| Phosphorus, Total (as P) | lb/yr | EFD-1 | D-001 |
| Dichlorobromomethane | ug/L | EFD-1 | D-001 |
| Enterococci | #/100mL | EFD-1 | D-001 |

Pollutants of concern were identified for WQBEL development based on an evaluation of all available information, including a characterization of the pollutants that may be discharged, fifth year inspection data, the sources of pollutants, existing controls on pollutants, available dilution, background pollutant levels in the receiving waters, and the toxicity of pollutants.

Unless otherwise noted, effluent limitations were developed by applying water quality criteria at the end of pipe.

Effluent limitations were determined based on an evaluation of the impact of the discharge on receiving water bodies. This evaluation was conducted in accordance with the TMDL process described in Rule 62-304, F.A.C. For each effluent limitation included in the permit, technology and water quality-based limitations were compared and the most stringent limitation was selected. The current effluent nutrient loading limits were established in the finalized Halifax River TMDL Report (dated July 1, 2013) and meet the Numeric Nutrient Criteria for the receiving water body.

This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards. The proposed effluent limitations will be achieved during the period beginning on the issuance date and lasting through the expiration date of the permit. A Water Quality Based Effluent Limit (WQBEL) Level I Analysis was performed for this permit renewal. The facility has provided reasonable assurance that, if all conditions of this permit are met, the discharge will not adversely affect the designated use of the receiving water.

This facility was previously required to conduct chronic toxicity testing for this discharge because it was used on a regular basis. The discharge has become intermittent due to the expansion of the Public Access Reuse System. Therefore, acute toxicity testing is now included in the permit (96-hour LC50 with not less than 100% effluent.) with provisions for conducting a shorter duration sampling event due to the short-term nature of their discharges.

This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate public access system, based on the following:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow | MGD | Max | 10.0 | Annual Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 20.0 | Annual Average | 62-610.460 & 62-600.420(3)(a)1. FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 30.0 | Monthly Average | 62-610.460 & 62-600.420(3)(a)2. FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 45.0 | Weekly Average | 62-610.460 & 62-600.420(3)(a)3. FAC |
| BOD, Carbonaceous 5 day, 20C | mg/L | Max | 60.0 | Single Sample | 62-610.460 & 62-600.420(3)(a)4. FAC |
| Solids, Total Suspended | mg/L | Max | 5.0 | Single Sample | 62-610.460(1) & 62-600.440(6)(a)3. FAC |
| Coliform, Fecal | #/100mL | Max | 25 | Single Sample | 62-610.460 & 62-600.440(6)(a)2. FAC |
| Coliform, Fecal, % less than detection | percent | Min | 75 | Minimum Total | 62-610.460 & 62-600.440(6)(a)1. FAC |
| pH | s.u. | Min | 6.0 | Single Sample | 62-600.445 FAC |
| pH | s.u. | Max | 8.5 | Single Sample | 62-600.445 FAC |
| Chlorine, Total Residual (For Disinfection) | mg/L | Min | 1.0 | Single Sample | 62-600.440(6)(b), 62-610.460(2), & 62-610.463(2) FAC |
| Turbidity | NTU | Max | Report | Single Sample | 62-610.463(2) FAC |
| Giardia | cysts/100L | Max | Report | Single Sample | 62-610.463(4) FAC |
| Cryptosporidium | oocysts/100L | Max | Report | Single Sample | 62-610.463(4) FAC |
| Flow (Ground Water from Hunters Ridge Well) | MGD | Max | Report | Annual Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow (Ground Water from Hunters Ridge Well) | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow (Ground Water from Breakaway Trails Well) | MGD | Max | Report | Annual Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Flow (Ground Water from Breakaway Trails Well) | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Coliform, Fecal (Ground Water from Hunters Ridge Well) | #/100mL | Max | Report | Single Sample | 62-610.472(4)(a)3. FAC |
| Coliform, Fecal (Ground Water from Breakaway Trails Well) | #/100mL | Max | Report | Single Sample | 62-610.472(4)(a)3. FAC |

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow (Concentrate) | MGD | Max | 1.0 | Annual Average | 62-610.865(8)(b) & 62-610.810(5) FAC |
| Flow (Concentrate) | MGD | Max | Report | Monthly Average | 62-600.700(2)(b) & 62-610.810(5) FAC |
| Nitrogen, Total | mg/L | Max | Report | Annual Average | 62-600.650(3)FAC |
| Nitrogen, Total | mg/L | Max | Report | Monthly Average | 62-600.650(3)FAC |
| Solids, Total Suspended (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Phosphorus, Total (as P) | mg/L | Max | Report | Annual Average | 62-601.300(6)FAC |
| Phosphorus, Total (as P) | mg/L | Max | Report | Monthly Average | 62-601.300(6)FAC |
| pH (Blend) | s.u. | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| pH (Blend) | s.u. | Min | Report | Single Sample | 62-610.865(8)(e) FAC |
| Specific Conductance (Blend) | umhos/cm | Max | Report | Single Sample | 62-610.865(8)(c) FAC |
| Fluoride, Total (as F) (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Blend Ratio | ratio | Max | Report | Single Sample | 62-610.865(6)(d) FAC |
| Sodium Adsorption Ratio (Blend) | ratio | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Sodium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Magnesium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Calcium, Total Recoverable (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Chloride (as Cl) (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |
| Solids, Total Dissolved (TDS) (Blend) | mg/L | Max | Report | Single Sample | 62-610.865(8)(e) FAC |

Monthly monitoring of the effluent for Total Nitrogen and Total Phosphorus has been retained in this permit, as allowed by Rule 62-601.300(6), FAC, because the facility is located in an impaired water basin.

Other Limitations and Monitoring Requirements:

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Flow (total through plant) | MGD | Max | 8.0 | Annual Average | 62-600.700(2)(b) FAC |
| | | Max | Report | Monthly Average | 62-600.700(2)(b) FAC |
| | | Max | Report | Quarterly Average | 62-600.700(2)(b) FAC |

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max | Report | Monthly Average | 62-600.405(4) FAC |
| BOD, Carbonaceous 5 day, 20C (Influent) | mg/L | Max | Report | Single Sample | 62-600.660(1) FAC |
| Solids, Total Suspended (Influent) | mg/L | Max | Report | Single Sample | 62-600.660(1) FAC |
| Monitoring Frequencies and Sample Types | - | - | - | All Parameters | 62-600 FAC & 62-699 FAC and/or BPJ of permit writer |
| Sampling Locations | - | - | - | All Parameters | 62-600, 62-610.412, 62-610.463(1), 62-610.568, 62-610.613 FAC and/or BPJ of permit writer |

4. IMPAIRMENT STATUS OF RECEIVING WATERS

Under Section 303(d) of the Clean Water Act, the Department is required to submit lists of impaired waters to EPA. The receiving water body for this discharge is listed on the 303(d) list. This segment of the Halifax River was included on the State of Florida 1998 303d planning list and has an approved TMDL for nutrients. The approved TMDL for the Halifax River includes the Ormond Beach discharge and is based on the WQBEL document. Since the TMDL has been established only for nutrients and not coliforms, which is also listed as a parameter of concern for this segment of the Halifax River, the following is included as a condition of this permit: Coliforms and nutrients are listed as parameters of concern on the 1998 303d planning list for this segment of the Halifax River. This discharge is in compliance with the approved Total Maximum Daily Load (TMDL) for the Halifax River for nutrients. The Department may develop a TMDL for coliforms during the life of this permit. Once a TMDL has been established and adopted by rule, the Department shall revise this permit to incorporate the final findings of the TMDL, pursuant to Rule 62-620.325, Florida Administrative Code. This may include revised or new limits for coliforms.

5. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0020532-023-DW1P expires on March 5, 2025. The following parameters are not included in the permit for monthly monitoring because they have been determined to not have the reasonable potential to exceed the water quality standard: Chlorodibromomethane (CDBM), copper, silver and zinc have been below the water quality standards at levels that provide assurance that there is no reasonable potential to exceed the standard. TTHMs and Bis(2-ethlhexyl) phthalate have been added to the GWMP because they were present in the annual reclaimed water scan.

6. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be transferred to a DEP approved biosolids treatment facility (BTF) or disposed of in a Class I solid waste landfill.

See the table below for the rationale for the biosolids quantities monitoring requirements.

| Parameter | Units | Max/ Min | Limit | Statistical Basis | Rationale |
|---|---|---|---|---|---|
| Biosolids Quantity (Transferred) | dry tons | Max | Report | Monthly Total | 62-640.650(5)(a)1. FAC |
| Biosolids Quantity (Landfilled) | dry tons | Max | Report | Monthly Total | 62-640.650(5)(a)1. FAC |
| Monitoring Frequency | | All Parameters | | | 62-640.650(5)(a) FAC |

7. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 600, 610, and 620, F.A.C.

8. PERMIT SCHEDULES

A schedule is included in the wastewater permit to complete the conversion of the RW EQ tank to a supplemental chlorine contact chamber. Approximately one year is anticipated for completion of the conversion, but it should be implemented as soon as possible

9. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

10. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO, and the permittee has not entered into a CO with the Department that affects this permit.

11. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

12. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available on the Department's electronic filing system:
https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=hitlist&[freeText=]&[folderName=]&[profile=Permitting_Authorization]&[creator=]&[entityType=any]&[createdDateTo=]&[catalog=38]&[searchBy=Profile]&[sortBy=Document+Date]&[createdDate=]&{County=_EQ_VOLUSIA}&{District=_EQ_CD}&{Facility-Site+ID=_EQ_FL0020532}&{Document+Date=_RG_(06-01-2019,02-13-2020)}&{Document+Type=_EQ_PERMIT+APPLICATION+RELATED}&{Permit+Type=_EQ_DW+-+DOMESTIC+WASTEWATER+FACILITY}&{Facility+Type=_LK_DOMESTIC+WASTEWATER}

13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

| | |
|---|---|
| Draft Permit and Public Notice to Applicant and EPA | February 14, 2020 |
| Public Comment Period | Beginning: February 17, 2020<br>Ending: March 16, 2020 |
| Proposed Permit to EPA | March 18, 2020 |
| Notice of Intent to Issue | April 10, 2020 |
| Notice of Permit Issuance | May 8, 2020 |

14. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Florida Department of Environmental Protection
Permitting and Wastewater Cleanup Program
Central District Office
3319 Maguire Blvd
Suite 232
Orlando, FL 32803-3767

Telephone No.: 407-897-4100

**Florida Department of Environmental Protection**
Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

# PATHOGEN MONITORING

## Part I - Instructions

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility. If a schedule for sampling or re-sampling is not included in the permit, the following schedule shall apply:

   a. Routine Sampling:

      If sampling is required once every two years, this report shall be submitted on or before November 28 of each even numbered year (2006, 2008, 2010, etc.).

      If sampling is required once every five years, this report shall be submitted with the application for permit renewal.

      If sampling is required quarterly, this report shall be submitted on or before February 28, May 28, August 28, and November 28 of each year.

   b. Subsequent Re-Sampling:

      If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.

2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:

   a. The appropriate DEP district office (attention Domestic Wastewater Program). Addresses for the DEP district offices are available at www.dep.state.fl.us/secretary/dist/default.htm.

   b. DEP Water Reuse Coordinator
      Mail Station 3540
      2600 Blair Stone Road
      Tallahassee, Florida 32399-2400

3. Please type or print legibly.

4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.

5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).

6. For each sample, record the sample volume obtained in liters.

7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.

8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

   Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

   a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.

   b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.

9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.

10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at www.dep.state.fl.us/labs/cgi-bin/aams/index.asp

11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).

12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.

13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.

14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

## Part II - General Information

1. DEP wastewater facility identification number: **FL0020532**

   Wastewater facility name: Ormond Beach WRF

   Permittee name: City of Ormond Beach

2. Person completing this form:

   Name: _____

   Telephone: (_____)_____

   Email address: _____

3. Sampling and analysis:

   Date samples were taken: _____

   Organization collecting the samples: _____

   Was the sample dechlorinated in the field? ☐ Yes ☐ No

   Was the sample refrigerated or kept on ice during shipment to the laboratory? ☐ Yes ☐ No

   Date samples delivered to laboratory: _____

   Date analytical work was done: _____

   Laboratory doing the analysis: _____

   Laboratory's DOH Identification Number: _____

   Approved method used:

   ☐ EPA Method 1623

   ☐ Other approved method: _____

   Contact person at the laboratory: _____

   Email address of the lab contact person: _____

4. Is this the first time that this form has been submitted for the facility?

   ☐ Yes [Please complete Questions 7 through 16.]

   ☐ No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

   ☐ No [Proceed to Question 6.]

   ☐ Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

   ☐ Yes [Please complete Questions 7 through 16.]

   ☐ No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

   ☐ Conventional activated sludge ☐ Extended aeration

   ☐ Contact stabilization ☐ Biological nutrient removal (such as Bardenpho)

   ☐ Other: _____

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)? ☐ Yes ☐ No

9. Filter type:

   ☐ Deep bed, single media ☐ Deep bed, multiple media

   ☐ Shallow bed, automatic backwash ☐ Upflow (including Dynasand)

   ☐ Slow rate sand filter ☐ Diatomaceous earth filter

   ☐ Fabric filter ☐ Cartridge filter

   ☐ Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)

   ☐ Other: _____

10. Filter Media (complete for each type of media provided):

    Top layer of media: Media type: _____

    Effective size: _____ mm

    Uniformity coefficient: _____

    Bed depth: _____ inches

Middle layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

Bottom layer of media: Media type: _____

Effective size: _____ mm

Uniformity coefficient: _____

Bed depth: _____ inches

11. Filter backwash water:

☐ Backwash water is returned to the headworks of the treatment plant.

☐ Backwash water is returned to the aeration basin.

☐ Other. Please describe: _____

12. Disinfection system:

☐ Chlorination, gas ☐ Hypochlorite

☐ Chlorine dioxide ☐ Chlorination, other _____

☐ Ultraviolet ☐ Ozone

☐ Other: _____

13. Is chlorine added before the filters? ☐ No ☐ Yes Dose: _____ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

☐ No

☐ Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: _____ Dose: _____ mg/L

Chemical 2 - Name: _____ Dose: _____ mg/L

Chemical 3 - Name: _____ Dose: _____ mg/L

15. Wastewater treatment plant permitted capacity: _____ MGD

16. Wastewater flow being treated at the time samples were collected: _____ MGD

## PART III - PATHOGEN MONITORING REPORT

**FACILITY ID:** FL0020532
**FACILITY NAME:** Ormond Beach WRF
**FACILITY ADDRESS:** 550 N Orchard St, Ormond Beach, FL 32174-9512
**PERMITTEE NAME:** City of Ormond Beach
**MAILING ADDRESS:** 22 S Beach St, Ormond Beach, Florida 32174-6386
**DATE OF SAMPLING: _____**

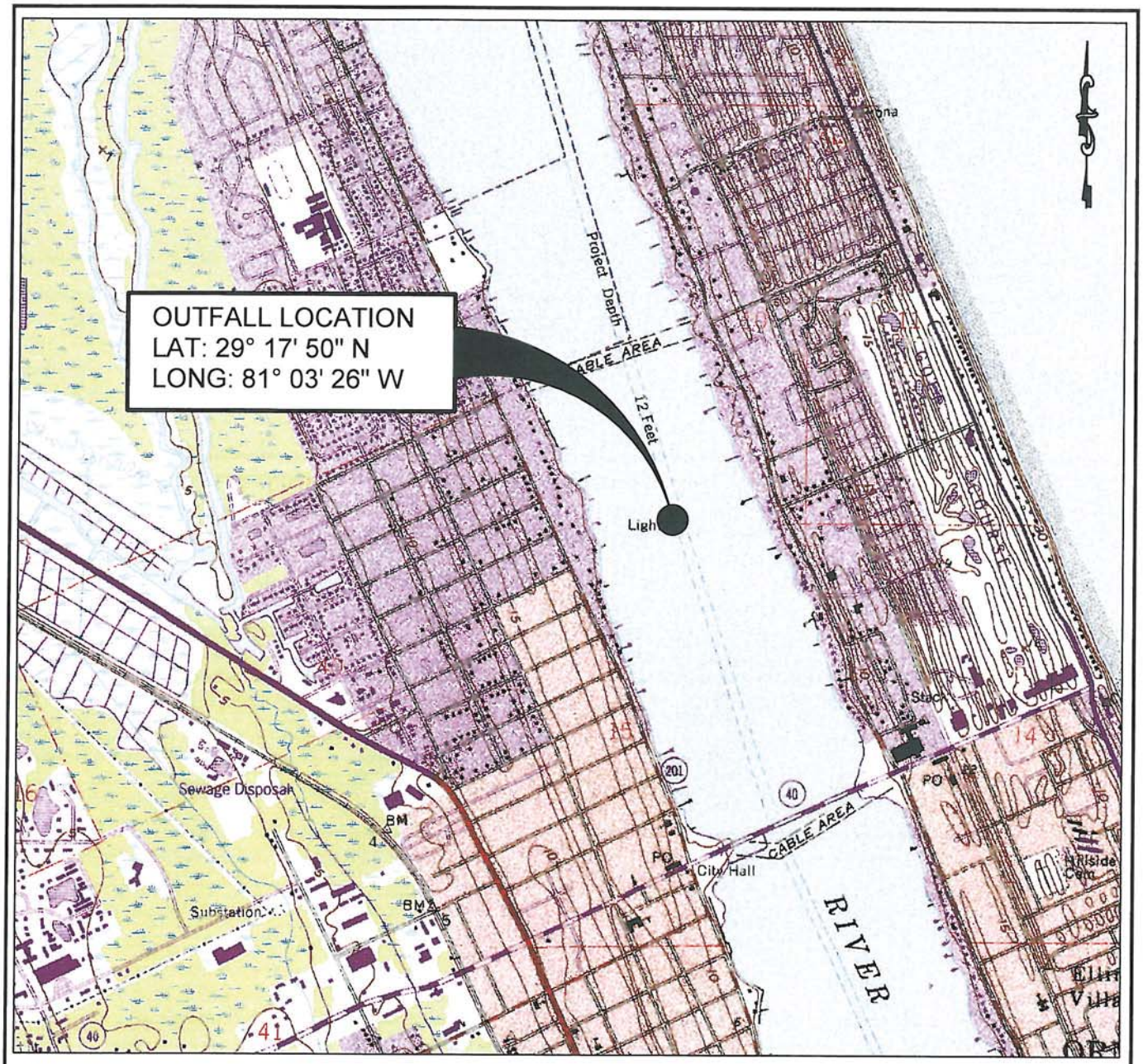
| Parameter | Quantity or Loading | | Quality or Concentration | |
|---|---|---|---|---|
| | Sample Measurement | Units | Sample Measurement | Units |
| Treatment Plant: After Filter Monitoring Site No. EFB-1 | | | | |
| Turbidity PARM Code 00070 | | | | NTU |
| TSS PARM Code 00530 | | | | mg/L |
| Treatment Plant: After Disinfection Monitoring Site No. EFA-1 | | | | |
| Total Chlorine Residual PARM Code 50060 | | | | mg/L |
| Volume Collected PARM Code 71994 | | Liters | | |
| *Giardia*, total count * PARM Code GIARD | | | | total cysts/100 L |
| *Giardia*, potentially viable cysts * PARM Code VGIAR | | | | potentially viable cysts/100 L |
| *Cryptosporidium*, total count * PARM Code CRYPT | | | | total oocysts/100 L |
| *Cryptosporidium*, potentially viable oocysts * PARM Code VCRYP | | | | potentially viable oocysts/100 L |
| Supplemental Water Supply (surface water or stormwater): After Treatment & Disinfection Monitoring Site No. | | | | |
| TSS PARM Code 00530 | | | | mg/L |
| Total Chlorine Residual PARM Code 50060 | | | | mg/L |
| Volume Collected PARM Code 71994 | | Liters | | |
| *Giardia* (total count) * PARM Code GIARD | | | | total cysts/100 L |
| *Giardia*, potentially viable cysts * PARM Code VGIAR | | | | potentially viable cysts/100 L |
| *Cryptosporidium*, total count * PARM Code CRYPT | | | | total oocysts/100 L |
| *Cryptosporidium*, potentially viable oocysts * PARM Code VCRYP | | | | potentially viable oocysts/100 L |

* Data entries must be made for both total and potentially viable cysts and oocysts.

## PART IV - CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

| Name/Title of Principle Executive Officer or Authorized Agent (Type or Print) | Signature of Principle Executive Officer or Authorized Agent | Telephone No. | Date (YY/MM/DD) |
|---|---|---|---|
| | | | |
| | Email Address | | |




**GRAPHIC SCALE:**

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

# LOCATION MAP

SECTION 40
TOWNSHIP 14S
RANGE 32E

FROM ORMOND BCH, FLA.
U S C & G QUADRANGLE

**PURPOSE:**

DOMESTIC WASTEWATER
FACILITY PERMIT
CITY OF ORMOND BEACH
VOLUSIA COUNTY, FLORIDA

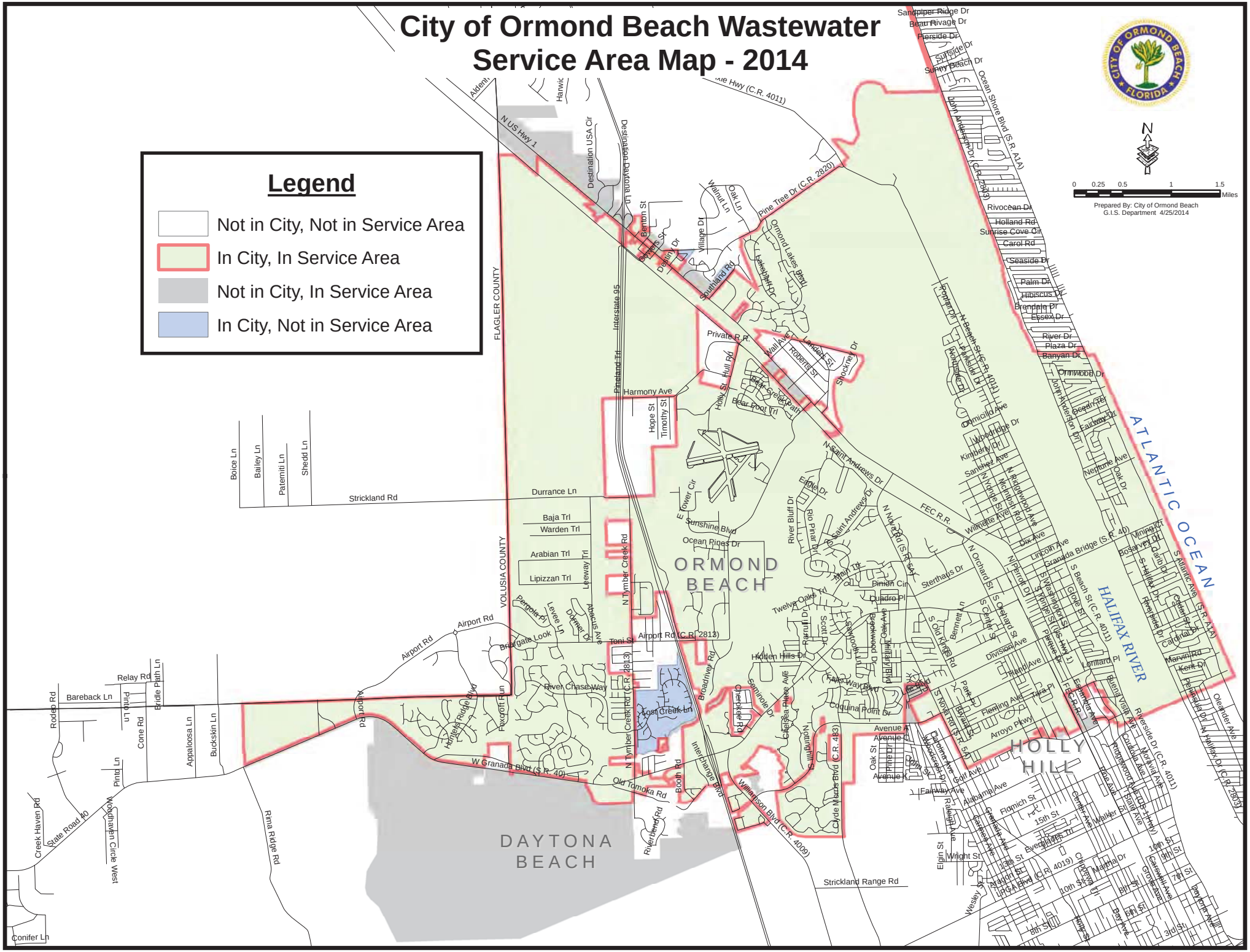
PREPARED BY:
QUENTIN L. HAMPTON ASSOC. INC.
P.O. DRAWER 290247
PORT ORANGE, FLORIDA 32129-0247

FIGURE #2

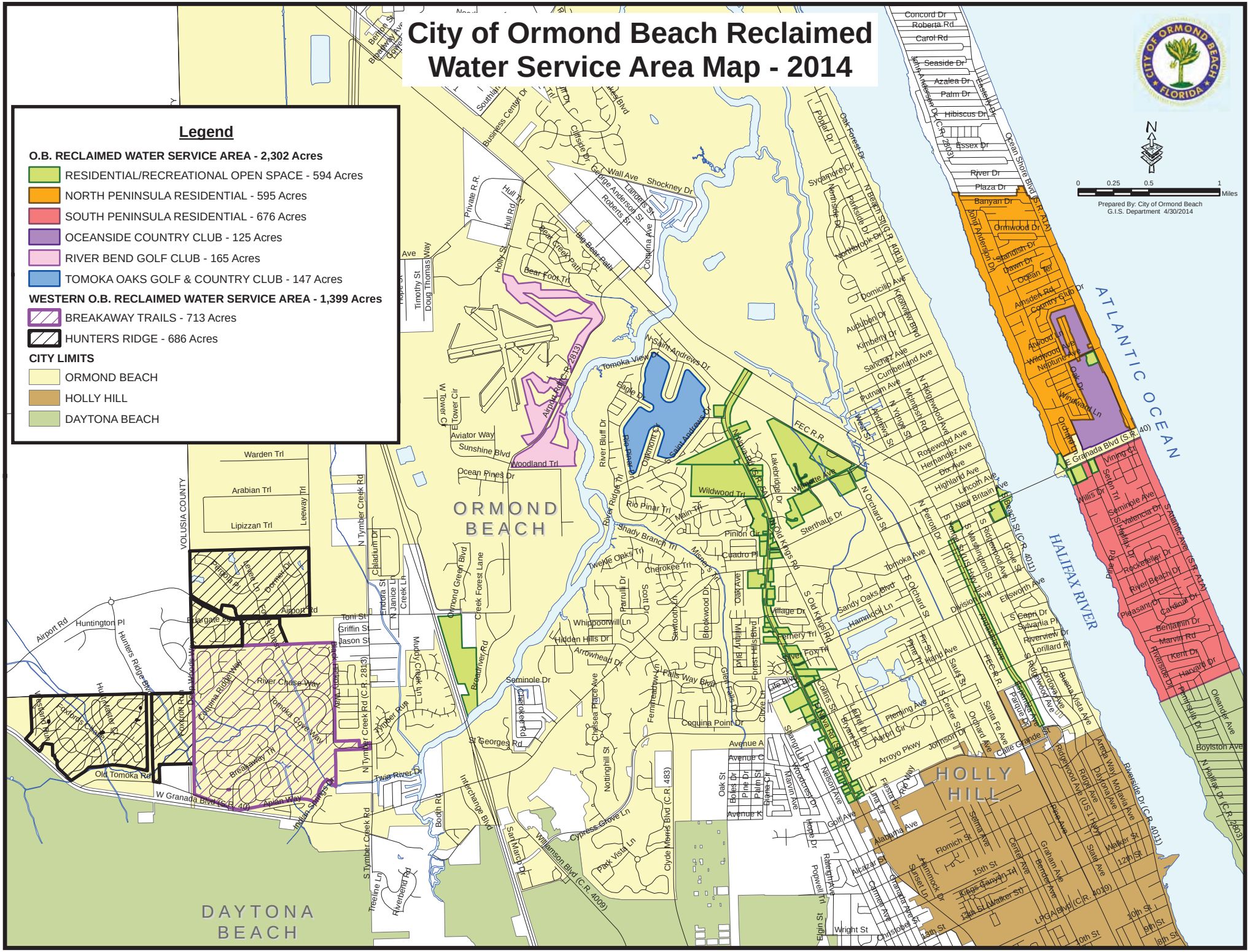
DATE: 03/14

S:\OB\OB057 WRF Operating Permit Renewal\Cad\Design\OB57 quad figs.dwg, OUTFALL, 3/25/2014 4:38:29 PM, AK

# City of Ormond Beach Wastewater Service Area Map - 2014



# City of Ormond Beach Reclaimed Water Service Area Map - 2014



**7. Reclaimed Water Reuse and Effluent Disposal**

| Method of Reuse or Disposal | Number of Reuse or Disposal Points | Total Design Capacity (mgd) | Basis of Design Flow |
|---|---|---|---|
| Surface Waters - Excluding Ocean Outfalls and Wetlands (Rule 62-600.510, F.A.C.) | 1 | 6.0 | Annual Average |
| Ocean Outfalls (Rule 62-600.520, F.A.C.) | | | |
| Wetlands (Rule 62-600.620, F.A.C.) | | | |
| Reuse of Reclaimed Water and Land Application (Rule 62-600.530, F.A.C.) | +/- 2,800ac<br>(Prop: +/-3,700ac) | 7.5<br>(Proposed: 10.0mgd) | Annual Average |
| Ground Water Disposal by Underground Injection (Rule 62-600.540, F.A.C.) | | | |
| Other (Describe) | | | |
| Total | 2 | 13.5 (Prop: 16.0mgd) | Annual Average |

**8. Flows to Another Wastewater Facility**

a. Does the facility discharge or transport treated or untreated wastewater to another treatment facility?
☐ Yes ☒ No

b. If yes, describe the mean(s) by which the wastewater from the treatment facility is discharged or transported to the other treatment facility (e.g., collection/transmission system, reclaimed water distribution system)?
N/A

If transport is by a party other than the applicant, provide the following:
Transporter name: N/A
Mailing Address:

Contact person:
Title:
Telephone number:

c. For each treatment facility that receives this discharge, provide the following:
Name: N/A
Mailing Address:

Contact person:
Title:
Telephone number:

**7. Type of Reuse or Land Application System**

☐ Slow-rate land application system/restricted public access (Chapter 62-610, F.A.C., Part II)
☒ Slow-rate land application system/public access areas, residential irrigation, and edible crop irrigation (Chapter 62-610, F.A.C., Part III)
☐ Rapid-rate land application system (Chapter 62-610, F.A.C., Part IV)
☐ Absorption field system (Chapter 62-610, F.A.C., Part V)
☐ Overland flow system (Chapter 62-610, F.A.C., Part VI)
☐ Other land application system with additional levels of preapplication treatment (Rule 62-610.660, F.A.C.)
☐ Other land application system with lower levels of preapplication treatment (Rule 62-610.670, F.A.C.)

**8. Application Areas and Rates**

| Site/Use Type/Major User | Area (acres) | Rate (inches/week) | Capacity (mgd) |
|---|---|---|---|
| | | | |
| SEE ATTACHED TABLE | | | |
| | | | |
| Residential/Recreational/Cemetary | 3,264 | 0.60 | 7.60 |
| Golf Courses | 437 | 1.4 | 2.38 |
| Total | 3,702 | | 9.98 |

**9. Additional Information Required for Reuse Systems Permitted Under Part III of Chapter 62-610, F.A.C.**

a. Areas Irrigated

☒ Residential lawns
☒ Golf courses
☒ Cemeteries
☒ Parks, playgrounds
☒ Landscape areas
☒ Highway medians, rights-of-way
☐ Edible crops
☐ Others

If other, specify _____

b. Other Uses of Reclaimed Water

☐ Toilet flushing
☒ Fire protection
☐ Construction dust control
☐ Aesthetic purposes (decorative ponds, fountains, etc.)
☐ Others

If other, specify. Reclaimed supplies fire hydrants in Breakaway Trails & Hunters Ridge subdivisions

# CITY OF ORMOND BEACH WWTF

# FDEP OPERATING PERMIT RENEWAL 2014

## ADDITIONAL INFORMATION FOR FORM 2A:

**Section 3B, Item 8.**

| Site Number | User Name | User Type | Acreage | Rate (in/wk) | Capacity (MGD) |
|---|---|---|---|---|---|
| PAA-1 | North Peninsula – Residential | Residential Developments | 595 | 0.60 | 1.38 |
| PAA-2 | Residential/Recreational Open Space | Residential Developments | 594 | 0.60 | 1.38 |
| PAA-3a | Oceanside Golf Course | Golf Course | 125 | 1.4 | 0.68 |
| PAA-3b | Tomoka Oaks Golf Course | Golf Course | 147 | 1.4 | 0.80 |
| PAA-3c | River Bend Golf Course (Future) | Golf Course | 165 | 1.4 | 0.90 |
| PAA-4 | Western Ormond Beach – Residential | Residential Developments | 1,399 | 0.60 | 3.26 |
| PAA-5 | South Peninsula-Residential | Residential Developments | 676 | 0.60 | 1.57 |
| | | **TOTAL:** | **3,3701** | **--** | **9.98** |

ADDENDEM NO. 2

June 4, 2020

**TO:** Prospective Bidders and Others Concerned.

**SUBJECT:** Addendum # 2 **BID 2020-23 LABORATORY TESTING SERVICES**

**NOTE:** This addendum consists of the following documents. It is the Contractor's responsibility to ensure that all documents have been downloaded and reviewed prior to submitting bids on the work.

**TO ALL BIDDERS**: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**The Project Manual shall be amended as follows:**

**Item 1:** The deadline for questions to be submitted originally stated as June 1, 2020 at 5:00 p.m. has now been extended to June 8, 2020 at 5:00 p.m.

**Item 2:** The bid opening originally scheduled for June 10, 2020 at 2:00 p.m. has now been extended to June 17, 2020 at 2:30 p.m.

**Item 3:** Please delete "Page 16R of 33" from Addendum No. 1 and replace it with "Page 16R2 of 33."

**Item 4:** The following additional information is being provided in response to inquiries received.

**Question 1**: Can I please have some clarifications on the Addendum 1 answers? Specifically, Question 1, Question 15 and Question 16, the answer said that Asbestos and dioxin are not part of the permit. I see dioxin in the tables of the permit for RWS-A, RWS-B, RWS-C, RWS-G. Is this not for the Reuse Effluent Analysis section of the bid sheet on page 15R of 33?
**Answer 1:** YES, contrary to statements issued in Addendum No. 1, Dioxin is in fact included and required in accordance with the permit. To assist bidders, the relevant direct excerpt of the permit is provided herewith, and states the following:

> During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, total coliform, color, odor, and residual disinfectants). These monitoring results shall be reported to the Department annually on the RWS-A DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. When such a certification is submitted with the DMR, monitoring not required this period should be noted on the DMR. The annual reclaimed

water or effluent analysis report, and certification if applicable, shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by January 28 of each year. Approved analytical methods identified in Rule 62-620.100(3) (j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-600.660(2) and (3) (d)][62-600.680(2)][62-610.300(4)]*

**Question 2:** If the pricing sheet will not be altered, how will we decipher weekend work costs from weekday costs for specific tests and courier?

**Answer 2**: The pricing sheet, page 16R2 of 33, has been altered and made part of this addendum. A line item has been added beneath Fecal Coliform entitled “Fecal Coliform Additional Costs for Weekend Work” with a unit quantity of 104.

**In all other respects, except as specifically stated herein, the subject BID 2020-23 LABORATORY TESTING SERVICES remains unchanged.**

**THIS ADDEDNDUM MUST BE ACKNOWLEDGED AND RETURNED WITH YOUR BID**

**COMPANY NAME: _____**

**SIGNATURE: _____DATE:_____**

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

The foregoing changes are hereby incorporated into the Bidding Contract Documents for CITY OF ORMOND BEACH– BID 2020-23 LABORATORY TESTING SERVICES, for the City of Ormond Beach.

City of Ormond Beach, Florida

**END OF ADDENDUM NO. 2**

## Wastewater

| PARAMETERS | Methods | Matrix | MDL | No. of Samples | Unit Cost | Subtotal |
|---|---|---|---|---|---|---|
| Priority Pollutants for Effluent | Various | WW | | 2 | $ | $ |
| and Influent (including: 608, | SEE PERMIT | | | | | |
| 624,625,Cyanide,phenolics, | | | | | | |
| Hg,Sb,As,Be,Cd,Cr,Cu,Pb,Ni, | | | | | | |
| Se,Ag,Tl,Zn, Oil & Grease | | | | | | |
| 503 Sludge | Various | WW | | 4 | $ | $ |
| Cryptosporidium and Giardia | 1623 | WW | | 1 | $ | $ |
| Acute Bioassay | EPA 821-R-02-012 (FW acute) (2000.0) | WW | | 2 | $ | $ |
| Low Level Mercury | 1631E | WW | | 2 | $ | $ |
| Sampling Disposal Fee for Mercury | | WW | | 2 | $ | $ |
| Nickel | 200.8 | WW | | 12 | $ | $ |
| Copper | 200.8 | WW | | 12 | $ | $ |
| Dichlorobromomethane | 524.2 | WW | | 12 | $ | $ |
| Zinc | 200.8 | WW | | 12 | $ | $ |
| Sodium | 200.7 | WW | | 52 | $ | $ |
| Magnesium | 200.7 | WW | | 52 | $ | $ |
| Calcium | 200.7 | WW | | 52 | $ | $ |
| Chloride | 300.0 | WW | | 52 | $ | $ |
| TDS | 2540C | WW | | 52 | $ | $ |
| Fluoride | 300.0 | WW | | 52 | $ | $ |
| CBOD | SM5210B | WW | | 540 | $ | $ |
| TSS | 2540D | WW | | 644 | $ | $ |
| TKN | 351.2 | WW | | 540 | $ | $ |
| NOX | 353.2 | WW | | 260 | $ | $ |
| TP | 365.4 | WW | | 520 | $ | $ |
| Enterococci | Enterolert/ Quant-tray | WW | | 260 | $ | $ |
| Fecal Coliform | SM9222D | WW | | 365 | $ | $ |
| Fecal Coliform Additional Costs for Weekend Work | | WW | | 104 | | |
| | | | | | | |
| **Wastewater Subtotal** | | | | | $ | |

ADDENDEM NO. 3

June 9, 2020

**TO:** Prospective Bidders and Others Concerned.

**SUBJECT:** Addendum # 3 **BID 2020-23 LABORATORY TESTING SERVICES**

**NOTE:** This addendum consists of the following documents. It is the Contractor's responsibility to ensure that all documents have been downloaded and reviewed prior to submitting bids on the work.

**TO ALL BIDDERS**: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**The Project Manual shall be amended as follows:**

**Item 1:** The following additional information is being provided in response to inquiries received.

**Question 1**: Can we provide the large documents, such as the Quality Manuals, PT studies, audits and certifications on a CD or thumb drive only?
**Answer 1:** To assist bidders and reduce replication costs, the vendors shall have the option of supplying a paper copy of the "large documents" listed in the **Scope of Work, 2. Bid Requirements/ Information to be Provided with the Bidder's Submission,** as appearing on pages 11R and 12R, Item "a" and Items "c" through "k" inclusive. Bidders shall still submit a paper copy of Item 2.b, which states "A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall be firm for the duration of the contract." While bidders have the option of supplying a paper copy of the items as noted herewith, this addendum does not relieve the bidder of supplying the required documents in digital format. In addition, should the bidder choose to omit submittal of certain documents in paper format, then it shall be the responsibility of the bidder to provide one paper copy of a "Table of Contents" or "List of Attachments" or "List of Exhibits" or other appropriately titled paper submittal that clearly identifies and lists each of the documents that are only provided in a digital format.

**Question 2:** For the Quality Manual can we mark it as a confidential document and only the city of Ormond Beach will have access to it?
**Answer 2**: No, upon submission of the bid documents, the Quality Manual shall be considered a public document and will not be considered confidential. We are not aware of any exemption which would cause that information to be confidential. If vendor would like to provide something to the contrary, we can take a look at it.

**In all other respects, except as specifically stated herein, the subject BID 2020-23 LABORATORY TESTING SERVICES remains unchanged.**

**THIS ADDEDNDUM MUST BE ACKNOWLEDGED AND RETURNED WITH YOUR BID**

**COMPANY NAME: _____**

**SIGNATURE: _____DATE:_____**

TO ALL BIDDERS: You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

The foregoing changes are hereby incorporated into the Bidding Contract Documents for CITY OF ORMOND BEACH– BID 2020-23 LABORATORY TESTING SERVICES, for the City of Ormond Beach.

City of Ormond Beach, Florida

**END OF ADDENDUM NO. 3**

CITY OF ORMOND BEACH

City Manager • 22 S. Beach Street • Ormond Beach • Florida • 32174 • (386) 676-3200 • Fax (386) 676-3384

**CITY MANAGER**
**MEMORANDUM**

**To:** The Honorable Mayor Partington and City Commissioners

**Through:** Joyce A. Shanahan, City Manager

**From:** Shawn Finley, Public Works Director

**Date:** July 28, 2020

**Subject:** Award of Laboratory Testing Services Bid No. 2020-23

**Commission Goal:** Water Quality and Environment - Other

## Introduction

This is a request to award a contract to Pace Analytical Services, Incorporated (hereafter referred to as "Pace") to perform water and wastewater facility sample testing and lab analysis for assessing plant performance, and for compliance verification purposes with state and federal permit requirements for various constituents.

## Background

Laboratory services are required to perform testing on ground water, potable water, sanitary sewer influent, effluent, reclaimed water and biosolids to verify compliance with state and federal requirements for various constituents. The City's current contract for lab services was originally bid in 2015 and was awarded to Pace. The current contract will expire on July 28, 2020. Having been in place for the maximum five years, the existing contract is not renewable.

The City solicited bids for testing services from qualified laboratories for one year periods, while providing an annual renewal clause, thereby making the contract effective for up to a maximum period of five years. Bids were received from two laboratories, ranging from $61,418 to $69,805. A copy of the bid tabulation sheet recorded at the June 17, 2020, bid opening is attached for reference.

## Discussion

Staff reviewed the bids and identified the lowest responsive bid to be submitted from Pace in the amount of $61,418. The City is currently contracted with Pace and is satisfied with the results, quality control and service provided from this laboratory. In addition, Pace provided all required supplementary information in its bid submittal. Pace is a local business and is located at 8 Tower Circle in the City's Airport Business Park.

## Budget Impact

The total budgeted annual cost for laboratory services is $100,000 in the FY 2019-2020 operating budget. Funding is split between Water Treatment in an amount of $15,000 and Wastewater Treatment in an amount of $85,000.

## Citizen Impact

The accurate testing of water and wastewater in accordance with federal and state regulatory guidelines is absolutely essential in order to safely and successfully operate a water utility. Contracting with a knowledgeable, reputable, and experienced vendor ensures that public health, safety, and welfare are safeguarded, ensuring that our water resources are protected for the long term benefit of present and future generations.

## Recommendation

Staff recommends award of Bid No. 2020-23 to the lowest responsive bidder, Pace Analytical Services, Incorporated, in the amount of $61,418 for annual laboratory testing services.

## Attachments:

- 20-85 Lab Svcs-Pace Analytical (P20-0108G) (PDF)
- Pace Analytical Services (P20-0108G) (PDF)
- 2020-23 Addendum 1 Combined Final (PDF)
- 2020-23 Addendum 2 (PDF)
- 2020-23 Addendum 3 (PDF)
- 2020-23 Bid Tab Combined (PDF)

**REVIEWED BY:**

Kelly McGuire, Finance Director 7/17/2020

Claire Whitley, Assistant City Manager 7/20/2020

**APPROVED BY:** Joyce A. Shanahan, City Manager 7/23/2020

# City of Ormond Beach
# BID OPENING TABULATION
## Laboratory Testing Services
## Bid No. 2020-23

**Bid Opening Date: June 17, 2020**

Time: **2:30 P.M.**

| Company Submitting Bid And Address | Addenda 1,2,3 | Total Bid |
|---|---|---|
| PACE ANALYTICAL<br>ORMOND BEACH, FL | ✓✓✓ | $61,418.00 |
| FLOWERS CHEMICAL LABS<br>ALTAMONTE SPRINGS, FL | ✓✓✓ | $69,805.00 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Opened By: Robert Schattler (Signature)
Purchasing Coordinator (Title)

Tabulated By: Roger Smith (Signature)
UTILITIES ENGINEER (Title)

## BID OPENING TABULATION

**Project: Labortory Testing Services**

**Bid Number:** 2020-23

**Date & Time: June 17**, 2020 2:30pm

| Contractor | Addendum 1, 2, 3 | Total Bid |
|---|---|---|
| **Pace Analytical Ormond Beach, FL** | YES | 61,418.00 |
| **Flowers Chemical Labs Altamonte Springs, FL** | YES | 69,805.00 |

**Please Note:** The bid proposals are currently being reviewed. All submittals accepted by the City of Ormond Beach are subject to the City's terms and conditions and any and all additional terms and conditions submitted by the bidders are rejected and shall have no force and effect. Bid documents from the bidders listed herein are the only submittals received timely as of the above opening date and time. All other bid documents submitted in response to this

**Robert Schattie**
**Purchasing Coordinator**
Robert Schattie

June 11, 2025

**TO:** Perspective Bidders and Others Concerned

**SUBJECT:** Laboratory Testing Services, Bid No. 2025-47

**TO ALL BIDDERS:** You are requested to make all changes and/or additions contained in this Addendum to the Bidding Documents. Failure to acknowledge this Addendum in Proposal may result in rejection of bid.

**Questions and answers:**

**Q1: Was the highlighted text from A7 on Addendum #1, below, intended to read electronic or digital copy?**

> **Q7: Does the Bid Delivery require hard copy delivery of the bid Packet? (pg. 26)**
> **A7:** To assist Bidders and reduce replication costs, the vendors shall have the option of supplying a paper copy of the "large documents" listed in the Scope of Work, 2. Bid Requirements/Information to be Provided with the Bidder's Submission, as appearing on page 29, Item "a" and Items "c" through "k" inclusive. Bidders shall still submit a paper copy of Item 2.b. which states "A price list must be submitted with your Bid showing individual parameter prices (for all listed parameters), method numbers, and method detection limits. Costs shall firm for the duration of the contract." While bidders have the option of supplying a paper copy of the items as noted, this addendum does not relieve the bidder of supplying the required documents in a digital format. In addition, should the bidder choose to omit submittal of certain documents in paper format, then it shall be he responsibility of the bidder to provide one copy of a "Table of Contents" or "List of Attachments" or "List of Exhibits" or other appropriately titled paper submittal that clearly identifies and lists each of the documents that are only provided in a digital format.

**A1: No. To clarify, a hardcopy of item "2.b" as appearing on page 29 (the price list) must be provided.**

**The applying vendor/contractor has the option of providing items "2.a", "2.c", "2.d", "2.e", "2.f", "2.g", "2.h", "2.i", "2.j", "2.k" as appearing on page 29 in a hardcopy or digital manner.**

**Q2: Is there an option to submit full responses electronically through email without the delivery of a hard copy?**

**A2: No.**

**Q3: Assuming a hard copy submission is required, are we correct to assume the following: 1 hard copy response with the allowance to include large documents (SOW 2a, 2c – 2k) as electronic files on a flash drive?**

**A3: Yes, item 2a and items 2.c through 2.k on page 29 may be submitted as electronic files on a flash drive.**

The foregoing changes are hereby incorporated into the Bidding Contract Documents for the City of Ormond Beach – Laboratory Testing Services, Bid No. 2025-47 for the City of Ormond Beach.

City of Ormond Beach, Florida

**BID OPENING TABULATION**

## Laboratory Testing Services

## BID 2025-47

## June 18, 2025, 2:00 PM

| Contractor | Addendum #1 | Addendum #2 | Bid |
|---|---|---|---|
| Eurofins Envrionment Testing | y | y | $87,058.00 |
| AEL Lab | y | y | $130,759.00 |
| Pace Analytical Services | y | y | $80,376.25 |
| | | | |
| | | | |
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JUN 18 25 2:00PM

**Please Note:** The bid proposals are currently being reviewed. All submittals accepted by the City of Ormond Beach are subject to the City's terms and conditions and any and all additional terms and conditions submitted by the bidders are rejected and shall have no force and effect. Bid documents from the bidders listed herein are the only submittals received timely as of the above opening date and time. All other bid documents submitted in response to this solicitation, if any, are hereby rejected as late.

**Tabulated by: Rob Hart**
**Purchasing Coordinator**

**Opened by: Mike Stephenson**
**Utilities Engineer**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.N. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Bid Award - Sports Complex Stormwater Retention Expansion | | |
| **Recommended Action** | Staff recommends awarding the base bid and Alternate 1 for the Sports Complex Stormwater Retention Expansion, Bid Number 2025-22, to GPS Civil Construction Inc., at the contract amount of $870,185. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Public Works - Engineering<br>Alex Schumann, City Engineer | | |


Summary

The purpose of this item is to award the bid for the Ormond Beach Sports Complex (OBSC) Stormwater Retention Expansion, Bid No. 2025-22.


On August 20, 2024, the City Commission approved a work authorization to Upham, Inc. for surveying and Engineering design services related to the expansion of stormwater facilities at the Ormond Beach Sports Complex (OBSC). Many of the baseball and soccer fields at the OBSC have experienced issues following significant rainfall events and have flooded for extended periods of time due to inadequate drainage and a lack of water retention areas. As a result, playing on these fields was suspended, and games were often canceled or postponed. Additionally, the OBSC utilizes surface water as a primary irrigation source. Therefore, additional lake volume would allow for additional irrigation storage that can be utilized to irrigate the fields throughout the entire sports complex.

The final revised storm water management system will provide improved drainage and increased irrigation capacity, resulting in more efficient and reliable use of the fields at OBSC. The bid plans and specifications propose expansion of smaller drainage areas, and further connection of these retention areas into one large pond. The realignment of a 4" sanitary sewer force main, a 9" reclaimed water main, and a 12" water main are included in these plans to allow for the proposed pond expansion. The expanded lake area related to this project is generally away from pedestrian areas and utilizes existing chain link fence to separate the pond from ball field areas; additional wood fencing will be installed to help direct visitors to the Sports Complex from the retention areas.

The bid for this project was structured with a base bid inclusive of all site and utilities work. The

base bid called for all excavated material to remain the property of the City; an alternate was included that allowed bidders to provide a credit to the City for this excavated material.

On May 28, 2025, bids were opened (including base bids with alternate credit). The bids ranged from $870,185 to $2,105,007.65. The lowest bid, including the alternate credit of $400,000 for the sale of , was received from GPS Civil Construction Inc. at $870,185. GPS Civil Construction has successfully completed similar projects for the City and is recommended for this project.

Financial Impact

Funding in the amount of $484,950 was included in the Fiscal Year 2024-25 budget, within Fund 107 - Stormwater. A budget amendment will be required to allocate additional funds towards this project.

Citizen Impact

Increasing the water retention area will increase the playability of fields at the Ormond Beach Sports Complex. Improved storm drainage will allow for fields to drain properly and, as a result, prevent cancellations due to flooding.

Attachments

1. 25-115 OBSC Stormwater Retention-GPS (P25-0071G)
2. GPS Civil Bid & Bid Bond
3. Project Location Map
4. 2025-22 Bid Tabulation

**RESOLUTION NO. 2025-115**

A RESOLUTION ACCEPTING THE BID OF GPS CIVIL CONSTRUCTION, INC. REGARDING THE SPORTS COMPLEX STORMWATER RETENTION EXPANSION PROJECT, UNDER BID NO. 2025-22; REJECTING ALL OTHER BIDS; AUTHORIZING THE EXECUTION OF A CONTRACT AND PAYMENT THEREFOR; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** the City advertised for bids (Bid No. 2025-22) regarding the Sports Complex stormwater retention expansion project ("Project") in accordance with Section 2-300, *Code of Ordinances,* and

**WHEREAS**, the appropriate City staff members have reviewed the seven (7) bids received and have determined that the bid submitted by GPS Civil Construction, Inc. with a base bid of $1,270,185.00 plus bid alternate #1, a credit of $400,000.00, for a total bid in the amount of $870,185.00 is the lowest responsible and responsive bid (a copy of said bid being attached hereto and incorporated herein by reference), and

**WHEREAS,** the City Manager has certified that funds will be appropriated to the credit of the Stormwater Fund (107) through a budget amendment and will not be appropriated for any other purpose, and

**WHEREAS,** the City Commission concurs in the said determination and recommendation, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The bid submitted by GPS Civil Construction, Inc. to provide services for the Project at a cost not to exceed $870,185.00 is hereby accepted.

**SECTION TWO.** All other bids to provide services for the Project are hereby rejected upon the execution of a contract with GPS Civil Construction, Inc.

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute a contract between the City and GPS Civil Construction, Inc. for the performance of the Project at the said price, and to pay the cost therefor from the Stormwater Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**SECTION 00300**
**BID**

CONTRACTORS NAME GPS Civil Construction LICENSE NO. CGC1523245
CUC1225259

PROJECT IDENTIFICATION:
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**

CONTRACT IDENTIFICATION AND NUMBER: Bid No. 2025-22

THIS BID IS SUBMITTED TO:
(Name and Address of OWNER)

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time indicated in this Bid and in accordance with the Contract Documents.

2. BIDDER certifies that he has investigated the requirements to do business in the jurisdiction where the project is located, and that he is either qualified to do business or will obtain such prequalification prior to award of the contract.

3. BIDDER accepts all of the terms and conditions of the Instructions to Bidders (Section 00100) including, without limitation, those dealing with the disposition of Bid Security, Public Entity Crimes, and Minority Policies. This Bid will remain open for 30 days after the day of Bid opening. BIDDER will sign the Agreement and submit the Contract security and other documents required by the Contract Documents within ten (10) days after the date of OWNER'S Notice of Award.

4. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

(a) BIDDER has examined copies of all the Contract Documents and of the following addenda:

| Date | Number |
|---|---|
| MAY 9, 2025 | #1 |
| MAY 19, 2025 | #2 |
| MAY 21, 2025 | #3 |
| MAY 22, 2025 | #4 |

(receipt of all of which is hereby acknowledged) and also copies of the Advertisement to Bid and the Instructions to Bidders;

(b) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

(c) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over OWNER; and

5. BIDDER will complete the Work for the following price(s):

## BID SCHEDULE
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**

| Item No. | Description | Estimated Quantity | Unit | Unit Price | Total Estimated Price |
|---|---|---|---|---|---|
| 100. | General Conditions | 1 | LS | $18,000.00 | $18,000.00 |
| 101. | Mobilization/Demobilization | 1 | LS | $12,000.00 | $12,000.00 |
| 102. | Survey and Layout | 1 | LS | $10,000.00 | $10,000.00 |
| 103. | Certified As-Built Drawings | 1 | LS | $5,000.00 | $5,000.00 |
| 104. | Construction Entrance | 1 | LS | $8,000.00 | $8,000.00 |
| 105. | Staked Sediment Fence | 7,100 | LF | $1.40 | $9,940.00 |
| 106. | Erosion and Sediment Control | 1 | LS | $1,000.00 | $1,000.00 |
| 107. | Turbidity Barrier | 70 | LF | $25.00 | $1,750.00 |
| 108. | Clearing and Grubbing (Including Existing Ponds) | 16.60 | AC | $6,700.00 | $111,220.00 |
| 109. | Excavation Earthwork and Grading | 1 | LS | $700,000.00 | $700,000.00 |
| 110. | Recycled Asphalt Millings | 925 | SY | $35.00 | $32,375.00 |
| 111. | Stabilized Grass Parking | 1,505 | SY | $8.00 | $12,040.00 |
| 112. | Concrete Weir | 260 | SF | $37.00 | $9,620.00 |
| 113. | 6" Water Main Pipe | 60 | LF | $110.00 | $6,600.00 |
| 114. | 12" Water Main Pipe | 1,170 | LF | $112.00 | $131,040.00 |

## BID SCHEDULE (Continued)

| Item No. | Description | Estimated Quantity | Unit | Unit Price | Total Estimated Price |
|---|---|---|---|---|---|
| 115. | 4" Force Main Pipe | 710 | LF | $ 35.00 | $ 24,850.00 |
| 116. | 6" Irrigation Main Pipe | 630 | LF | $ 52.00 | $ 32,760.00 |
| 117. | Air Release Valves | 4 | EA | $ 9,000.00 | $ 36,000.00 |
| 118. | Bahia Sod | 17,000 | SY | $ 3.15 | $ 53,550.00 |
| 119. | Fire Hydrant Assembly | 1 | EA | $ 12,000.00 | $ 12,000.00 |
| 120. | Concrete Retaining Wall | 1 | LS | $ 8,000.00 | $ 8,000.00 |
| 121. | Irrigation Intake Pipe Rework | 1 | LS | $ 2,500.00 | $ 2,500.00 |
| 122. | Wood Posts With Railing | 1,580 | LF | $ 18.00 | $ 28,440.00 |
| 123. | Wood Posts Without Railing | 0 | LF | $ 0 | $ 0 |
| 124. | Control Structure Modification | 1 | LS | $ 3,500.00 | $ 3,500.00 |

**TOTAL BID** $ 1,270,185.00
(Figures)

One million two hundred seventy thousand one hundred eighty five dollars
(Words)

**Bid Alternate - Spoil Material Option**

| Item No. | Description | Estimated Quantity | Unit | Total Credit |
|---|---|---|---|---|
| 001. | Credit to Haul All Spoil Material Off-Site & Keep | 1 | LS | |

**CREDIT TOTAL** ($ 400,000.00 )
(Figures)

Four hundred thousand dollars
(Words)

BIDDER acknowledges that the quantities are not guaranteed and final payment will be based on actual quantities determined as provided in the Contract Documents.

BIDDER agrees that the Work will be substantially completed within **150** calendar days after the date when the Contract Time commences to run and completed within **180** calendar days after the date when the Contract Time commences to run.

BIDDER recognizes that time is of the essence to complete this Project and that OWNER will suffer financial loss if the Work is not substantially complete within the time specified above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The BIDDER also recognize the delays, expenses and difficulties involved in proving, in a legal or arbitration proceeding, the actual loss suffered by OWNER if the Work is not substantially complete on time. Accordingly, instead of requiring any such proof, OWNER has determined, and BIDDER agrees to accept that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER **Five Hundred** Dollars **($500.00)** for each calendar day that expires after the time specified above for substantial completion until the Work is substantially complete. After substantial completion, if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the time specified above for completion and readiness for final payment or any proper extension thereof granted by OWNER, CONTRACTOR shall pay the OWNER an amount equal to all actual expenses incurred by the OWNER as a direct result of the CONTRACTOR'S negligence, refusal, or failure to so complete the remaining work. In the event the CONTRACTOR is terminated or abandons the work prior to the scheduled date for final completion, the CONTRACTOR may be liable for both liquidated damages attributable to delay and for excess completion costs.

6. The following documents are attached to and made a condition of this Bid:

   (a) Required Bid Security in the form of

   (1) a certified check drawn in favor of the City of Ormond Beach in the amount of 5 percent of the total bid; or

   (2) a Bid Bond in the amount of 5 percent of the total bid.

   (b) Equipment, Material, and Subcontractors List

   (c) All information required by the Trench Safety Act (Part VI, Chapter 553, Florida Statutes).

   (d) Drug Free Workplace Certificate

   (e) Conflict, Non-Conflict of Interest, Litigation Statement

   (f) Local Vendor Preference

   (g) Verification of Employment Status Using E-Verify System

   (h) Affidavit of Compliance F.S. 287.138 Contracting With Foreign Entities of Concern

(i) Human Trafficking Affidavit, Section 787.06, Florida Statutes

7. Communications to the BIDDER concerning this Bid shall be addressed to:

Mailing Address: 455 WALKER STREET

Street Address: 455 WALKER STREET

City, State, Zip Code: HOLLY HILL, FL, 32117

Email: clayton@gpscivil.com

Telephone No.: 386-872-5811 Fax No.: 386-872-5822

8. The terms used in this Bid which are defined in the General Conditions of the Construction Contract included as part of the Contract DOCUMENTS have the meanings assigned to them in the General Conditions.

SUBMITTED on MAY 21, 20 25.

If BIDDER is:

An Individual

By _____
(Individual's Name - Signature)

_____ (SEAL)
(Individual's Name - Typed or Printed)

doing business as _____

Business address: _____

_____

_____

Phone No.: _____

Fax No.: _____

If BIDDER is:

A Partnership

By _____ (SEAL)
(Firm Name)

_____
(General Partner - Signature)

_____
(General Partner - Typed or Printed)

Business Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

If BIDDER is:

A Corporation

By GPS CIVIL CONSTRUCTION INC.
(Corporation Name)

FLORIDA
(State of Incorporation)

By _____
(Name of Person Authorized to Sign - Signature)

GREG SCHLAFFER
(Name of Person Authorized to Sign - Typed or Printed)

PRESIDENT
(Title)

(Corporate Seal)

Attest TIFFANY CANUP

Business address: 455 WALKER STREET

HOLLY HILL, FL 32117

Phone No.: 386-872-5811

Fax No.: 386-872-5822

If BIDDER is:

A Joint Venture

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

By _____
(Name - Signature)

_____
(Name - Typed or Printed)

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

**BID (Cont'd.)**
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**
**ORMOND BEACH, FLORIDA**

EQUIPMENT AND SUBCONTRACTORS LIST

List the names of the manufacturers whose product is proposed for use. No more than one manufacturer's name shall be inserted for each item of material and/or equipment listed. Failure to list materials and equipment supplier may result in the Bid being rejected as incomplete and nonresponsive. If any Subcontractors are proposed to be used for any portions of the Work, the names, addresses, phone numbers and work classifications of each such Subcontractor must be listed. The failure to list all Subcontractors proposed for the work may result in the Bid being rejected as incomplete and nonresponsive. If more than one manufacturer or subcontractor is listed, selection will be made by the OWNER. If none is listed, those listed as the "Basis for Design" will be used.

Materials and Equipment:

| Item | Supplier |
|---|---|
| water, reclaim, force main | Ferguson |
| limerock | Stwola |
| millings | Halifax |
| wood posts with railing | Allstar |
| concrete | Cemex |
| | |
| | |
| | |

Subcontractors:

Work Classification: Sodding

Name: Sula Sod

Address: P.O. Box 688 New Smyrna Beach, FL 32170

Phone Number: 386-424-9088 Fax Number: _____

**BID (Cont'd.)**
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**
**ORMOND BEACH, FLORIDA**

Subcontractors:

Work Classification: Survey + Layout, As-Builts

Name: Oceanside Land Surveying

Address: 2090 S Nova Rd #A107, Daytona Beach, FL 32119

Phone Number: 386-763-4130 Fax Number: _____

Work Classification: Silt Fence, Turbidity

Name: Rogers Environmental

Address: PO Box 4696, Deland, FL 32721

Phone Number: 386-804-2894 Fax Number: _____

Work Classification: Concrete

Name: Romines

Address: 4367 Marsh Rd., Deland, FL 32724

Phone Number: 386-804-2583 Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

Work Classification: _____

Name: _____

Address: _____

Phone Number: _____ Fax Number: _____

## TRENCH SAFETY STANDARDS

If this project includes trench excavation in excess of five (5) feet in depth, the following trench safety standards will be in effect during the period of construction of the project:

The Occupational Safety and Health Administration's excavation safety standards, 29 C.F.R.s. 1926.650 Subpart P, and any regulation promulgated there under are hereby incorporated as the standard for this project.

The Bidder hereby certifies that the Contractor performing the trench excavation will comply with the applicable trench safety standards.

The Bidder further certifies that the cost (which is included in his unit cost) of compliance with applicable trench safety standards is:

| ITEM | Estimated Quantity | Units | Unit Price | Total Estimated Price |
|---|---|---|---|---|
| 1. Trench Excavation | 100 | L.F. | $1 | $100 |
| 2. Sheeting/Shoring | _____ | S.F. | _____ | _____ |

5/21/25
Name (signature) Date

GREG SCHLAFFER
Name (typed or printed)

PRESIDENT
Title

## DRUG-FREE WORKPLACE CERTIFICATION

**Identical Or "Tie" Bids**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

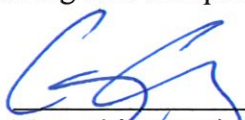
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.



5/21/25

Name (signature) Date

GREG SCHLAFFER

Name (typed or printed)

PRESIDENT

Title

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[✓] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[✓] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

GPS CIVIL CONSTRUCTION
COMPANY NAME

AUTHORIZED SIGNATURE

GREG SCHLAFFER
NAME (PRINT OR TYPE)

PRESIDENT
TITLE

5/21/25
DATE

N/A



## LOCAL VENDOR PREFERENCE

The following is taken from the Code of Ordinances, City of Ormond Beach, Chapter 2, Financial Matters, Division 3, Purchasing, Article IX, Section 2-304:

Except where otherwise provided by federal or state law or other funding source restrictions, purchases of goods and services under the Purchasing Code shall give preference to local businesses as follows:

(a) Under a competitive bid solicitation, the City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded.

(b) A *local business* shall mean a vendor that has a valid occupational license issued by the City of Ormond Beach at least one year prior to bid opening, with a physical business address located within the municipal boundaries of the City of Ormond Beach from which the vendor operates or performs business on a day-to-day basis that is a substantial component of the goods or services being offered and has provided a Local Vendor Affidavit of Eligibility at the time the bid is submitted.

(c) A *Local Vendor Affidavit of Eligibility* shall accompany the bid submittal to be considered valid and shall include, but not be limited to, the following information:
   (1) A physical business and location address;
   (2) A copy of current City of Ormond Beach Local Business Tax Receipt (occupational license) to verify the business location;
   (3) Proof of payment of business tax and real property tax due to the City of Ormond Beach;
   (4) A copy of the firm's most recent annual corporation report to the Florida Division of Corporations;
   (5) Any additional information necessary to verify local status.

(d) *Exemptions:* Goods or services provided under a cooperative purchasing agreement, contracts for professional services subject to Consultants' Competitive Negotiation Act, purchases or contracts funded in whole or part by a governmental entity that does not allow local preferences, purchases made under another agency's agreements or contracts (piggybacking), purchases under emergency or sole source situations and procurements subject to formal proposals including but not limited to request for proposals (RFP) or continuing contract, and request for quotes (RFQ) versus straight competitive bids.

(e) This section shall not be deemed to require the granting of a local preference, and nothing herein prohibits the award of a contract to a non-local vendor where such award is in the public interest.

N/A

**BID (Cont'd.)**
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**
**ORMOND BEACH, FLORIDA**

## LOCAL VENDOR AFFIDAVIT OF ELIGIBILITY

I certify that my company meets all of the following qualifications to be eligible for the local vendor preference:

a. My company has a physical business address located within the municipal boundaries of the City of Ormond Beach which is used to perform business on a day-to-day basis.
b. My company holds any business (occupational) or contractor license required by the City of Ormond Beach at least one year prior to bid opening.
c. Payment of business tax and real property tax due to the City of Ormond Beach is current
d. My company is in compliance with annual reporting to the Florida Division of Corporations

Company Name: _____

Address: _____

Business or Contractor License Number: _____

Phone Number: _____ Fax Number: _____

Owner's Name: _____ Signature: _____

Sworn to before me this _____ day of _____

Notary Public for the State of _____ My Commission Expires _____

Notary Public Signature: _____

Printed Name: _____

**To be approved as a local bidder and receive bid preference on an eligible local project, this affidavit of eligibility, a copy of your local business or contractor license, copy of business tax/real property tax and a copy of the firm's most recent annual corporation report must be submitted with your bonafide BID package. Bid preference is provided at the City's sole discretion.**

**VENDOR DO NOT COMPLETE BELOW**

To be verified and completed by an authorized representative of the City of Ormond Beach's Purchasing Department:

Vendor Certified by: _____ Date: _____

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.
2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.
3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.
4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.
5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

GPS Civil Construction
COMPANY NAME

AUTHORIZED SIGNATURE

GREG SCHLAFFER
NAME (PRINT OR TYPE)

PRESIDENT
TITLE

5/21/25
DATE

**BID (Cont'd.)**
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**
**ORMOND BEACH, FLORIDA**

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the PRESIDENT (Title) of GPS CIVIL CONSTRUCTION (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: MAY 21, 2025 Signed: _____

Title: PRESIDENT Print Name: GREG SCHLAFFER

Entity: GPS CIVIL CONSTRUCTION

STATE OF: FLORIDA COUNTY OF: VOLUSIA

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 21st day of May, 2025, by Greg Schlaffer and who:

☑ Is personally known to me; or ☐ has produced _____ as identification.

_____
Notary Public, State of Florida at Large:
*Printed Name/Seal of Notary, Commission*

(seal)

Notary Public State of Florida
Caty Hannas
My Commission
HH 258456
Exp. 4/27/2026

My commission expires: 4/27/26

**This page must be completed & notarized.**

**BID (Cont'd.)**
**SPORTS COMPLEX STORMWATER RETENTION EXPANSION**
**ORMOND BEACH, FLORIDA**

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA

COUNTY OF VOLUSIA

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is GREG SCHLAFFER. I am over the age of Twenty-One years old. I am the PRESIDENT (Title) of GPS CIVIL CONSTRUCTION (Business Name), a non-governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Date: MAY 21, 2025 Signature: _____

Print Name: GREG SCHLAFFER

Title: PRESIDENT

The foregoing instrument was acknowledged before me by means of ☑ physical presence or ☐ online notarization, this 21st day of May, 2025, by Greg Schlaffer and who:

☑ Is personally known to me; or ☐ has produced _____ as identification.

_____
Notary Public, State of Florida at Large:
*Printed Name/Seal of Notary, Commission*
My commission expires: 4/27/26

Notary Public State of Florida
Caty Hannas
My Commission
HH 258456
Exp. 4/27/2026

**This page must be completed & notarized.**

**END OF BID**
**00300-18**

**SECTION 00410**
**BID BOND**

**KNOW ALL MEN BY THESE PRESENTS**, that we

GPS Civil Construction, Inc.
(*hereinafter called Principal*) and

Nationwide Mutual Insurance Company
(*hereinafter called the Surety*) a corporation chartered and existing under the Laws of the State of Ohio with its principal offices in the County of Franklin, and authorized to do business in the State of Florida, in the full and just sum of Five Percent of the Amount Bid--- Dollars ($ ---5%---) good and lawful money of the United States of America, to be paid upon demand of the City of Ormond Beach, Florida, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents,

**WHEREAS**, the Principal is about to submit, or has submitted to the City of Ormond Beach, Florida, a bid for work to be done on the **Sports Complex Stormwater Retention Expansion (Bid No. 2025-22)** in, and for the City and,

**WHEREAS**, the Principal desires to file this bond in accordance with law, in lieu of a certified or cashier's check otherwise required to accompany this Bid.

**NOW, THEREFORE:** the conditions of this obligation are such that if the Bid be accepted the Principal shall within ten (10) days after the receipt of notification of the acceptance thereof execute a contract in accordance with the Bid and upon the terms, conditions and unit or lump sum prices set forth therein, in the form and manner required by the Owner, and execute a sufficient and satisfactory Contract Bond payable to the Owner, in an amount not less than the total contract price, as indicated by the approximate quantities shown in the Bid, in form and with security satisfactory to the said City, then this obligation to be void; otherwise to be and remain in full force and virtue in law; and the Surety shall upon the failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid City upon demand the amount hereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

**IN TESTIMONY WHEREOF**, the Principal and Surety have caused these presents to be duly signed and sealed this 7th day May, 2025.

GPS Civil Construction, Inc.
*(Principal)*

By: _____

**ATTEST:**

_____
*(SEAL)*

Nationwide Mutual Insurance Company
*(Surety)*

By: _____
Tyler D DeBord, Attorney-in-Fact

**END OF SECTION**
**00410 - 1**

**Power of Attorney** Bond Number: N/A

KNOW ALL MEN BY THESE PRESENTS THAT:

Nationwide Mutual Insurance Company, an Ohio corporation

hereinafter referred to severally as the "Company" and collectively as "the Companies" does hereby make, constitute and appoint:
STEPHEN P FARMER; TYLER D DEBORD; VINCENT DELUCA; ASHLEY TYREE; KARA RUCKERT; MARGARET HALL

each in their individual capacity, its true and lawful attorney-in-fact, with full power and authority to sign, seal, and execute on its behalf any and all bonds, undertaking and contracts of suretyship or other written obligations in the nature therefor; for all obligees including authority to execute consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the Department of Transportation, State of Florida, and other obligatory instruments of similar nature, in penalties not exceeding the sum of

**UNLIMITED**

and to bind the Company thereby, as fully and to the same extent as if such instruments were signed by the duly authorized officers of the Company; and all acts of said Attorney pursuant to the authority given are hereby ratified and confirmed.

This power of attorney is made and executed pursuant to and by authority of the following resolution duly adopted by the board of directors of the Company:

"RESOLVED, that the president, or any vice president be, and each hereby is, authorized and empowered to appoint attorneys-in-fact of the Company, and to authorize them to execute and deliver on behalf of the Company any and all bonds, forms, applications, memorandums, undertakings, recognizances, transfers, contracts of indemnity, policies, contracts guaranteeing the fidelity of persons holding positions of public or private trust, and other writings obligatory in nature that the business of the Company may require; and to modify or revoke, with or without cause, any such appointment or authority; provided, however, that the authority granted hereby shall in no way limit the authority of other duly authorized agents to sign and countersign any of said documents on behalf of the Company."

"RESOLVED FURTHER, that such attorneys-in-fact shall have full power and authority to execute and deliver any and all such documents and to bind the Company subject to the terms and limitations of the power of attorney issued to them, and to affix the seal of the Company thereto; provided, however, that said seal shall not be necessary for the validity of any such documents."

This power of attorney is signed and sealed under and by the following bylaws duly adopted by the board of directors of the Company.

Execution of Instruments. Any vice president, any assistant secretary or any assistant treasurer shall have the power and authority to sign or attest all approved documents, instruments, contracts, or other papers in connection with the operation of the business of the company in addition to the chairman of the board, the chief executive officer, president, treasurer or secretary; provided, however, the signature of any of them may be printed, engraved, or stamped on any approved document, contract, instrument, or other papers of the Company.

IN WITNESS WHEREOF, the Company has caused this instrument to be sealed and duly attested by the signature of its officer the 1st day of April, 2024.

Antonio C. Albanese, **Vice President** of Nationwide Mutual Insurance Company

**ACKNOWLEDGMENT**

STATE OF NEW YORK COUNTY OF KINGS: ss
On this 1st day of April, 2024, before me came the above-named officer for the Company aforesaid, to me personally known to be the officer described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, deposes and says, that he is the officer of the Company aforesaid, that the seal affixed hereto is the corporate seal of said Company, and the said corporate seal and his signature were duly affixed and subscribed to said instrument by the authority and direction of said Company.

Sharon Laburda
Notary Public, State of New York
No. 01LA6427697
Qualified in Kings County
Commission Expires January 3, 2026

Notary Public
My Commission Expires
January 3, 2026

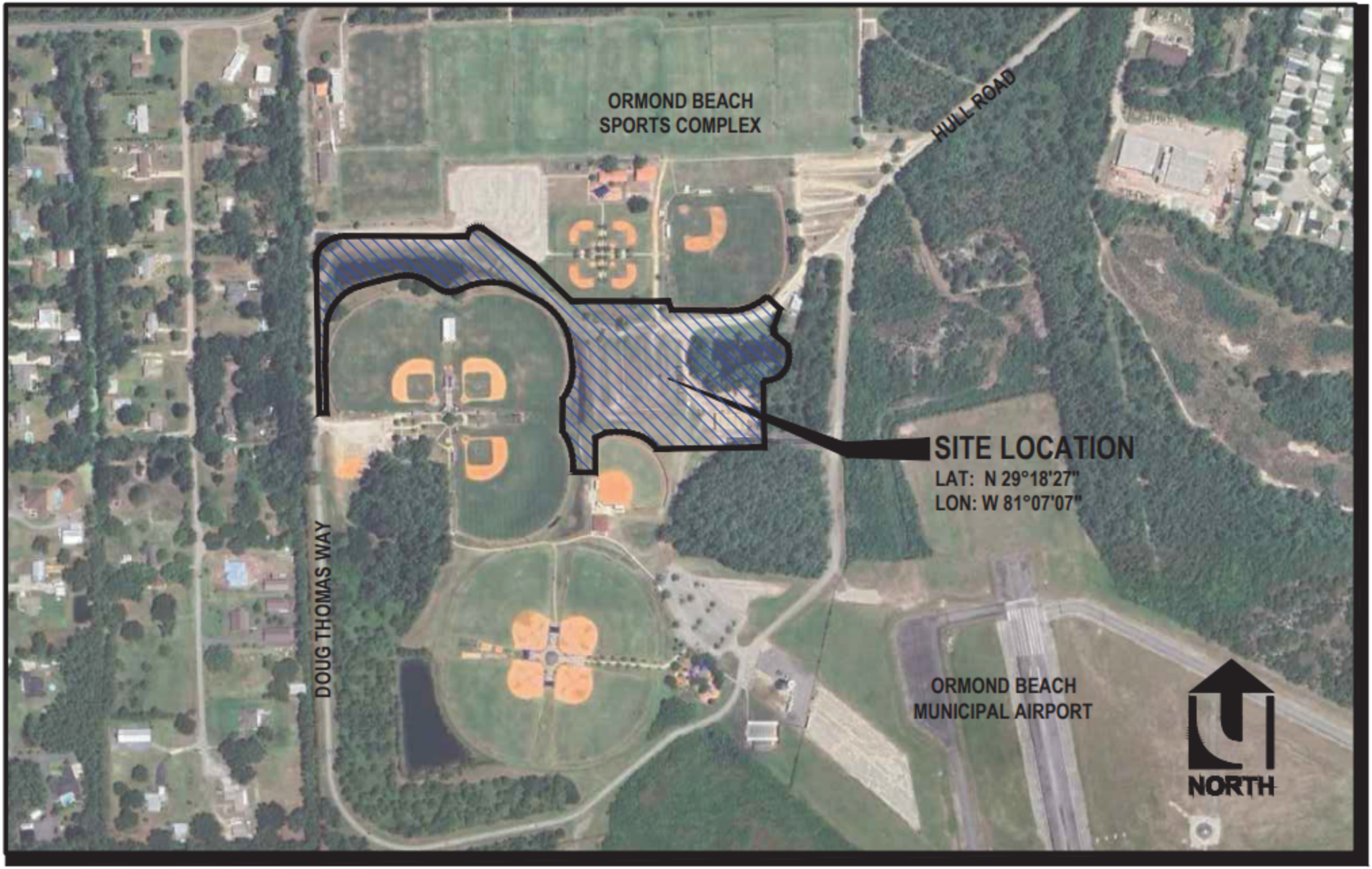
**CERTIFICATE**

I, Lezlie F. Chimienti, Assistant Secretary of the Company, do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney issued by the Company; that the resolution included therein is a true and correct transcript from the minutes of the meetings of the boards of directors and the same has not been revoked or amended in any manner; that said Antonio C. Albanese was on the date of the execution of the foregoing power of attorney the duly elected officer of the Company, and the corporate seal and his signature as officer were duly affixed and subscribed to the said instrument by the authority of said board of directors; and the foregoing power of attorney is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of said Company this 7th day of May, 2025.

Assistant Secretary

BDJ 1(04-24)00




# AERIAL PHOTO & LOCATION MAP

500 250 0 500

GRAPHIC SCALE: 1" = 500'

BID OPENING TABULATION

## Sports Complex Stormwater Retention Expansion
## Bid Number: 2025-22

## Date & Time: May 28, 2025, 3:00 PM

| Contractor | ADD 1 | ADD 2 | ADD 3 | ADD 4 | Bid Bond | Base Bid | Alternate 1 | Total Base + Alternate |
|---|---|---|---|---|---|---|---|---|
| GPS Civil | y | y | y | y | y | $ 1,270,185.00 | $ (400,000.00) | $ 870,185.00 |
| Carr & Collier | y | y | y | y | y | $ 2,045,700.00 | $ (80,000.00) | $ 1,965,700.00 |
| JD Weber | y | y | y | y | y | $ 1,247,368.29 | $ (35,000.00) | $ 1,212,368.29 |
| Halifax Paving | y | y | y | y | y | $ 1,716,427.25 | $ (300,000.00) | $ 1,416,427.25 |
| Drewry Site Development | y | y | y | y | y | $ 2,173,007.65 | $ (68,000.00) | $ 2,105,007.65 |
| All State Civil Construction | y | y | y | y | y | $ 1,434,255.00 | $ - | $ 1,434,255.00 |
| Black Sands Development | y | y | y | y | n | $ 973,196.54 | $ 138,076.69 | $ 1,111,273.23 |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |
| | | | | | | | | $ - |

MAY28 25 3:00PM

**Please Note:** The bid proposals are currently being reviewed. All submittals accepted by the City of Ormond Beach are subject to the City's terms and conditions and any and all additional terms and conditions submitted by the bidders are rejected and shall have no force and effect. Bid documents from the bidders listed herein are the only submittals received timely as of the above opening date and time. All other bid documents submitted in response to this solicitation, if any, are hereby rejected as late.

**Tabulated by: Robert Hart**
**Purchasing Coordinator**

**Opened by: Lane Carter**
**Civil Engineer**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.O. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | RFP Award - Aquatic Weed Control | | |
| **Recommended Action** | Staff recommends approval of the 3-year contract for RFP 2025-33 Aquatic Weed Control Maintenance and Ditch Cleaning Services to Chuck Robinson Concrete and Bobcat, Inc. | | |
| **Strategic Goal** | Water Quality & the Environment - Other | | |
| **Department Staff Contact** | Public Works<br>Kevin Gray, Deputy Public Works Director | | |


Summary

On May 8, 2025, proposals for RFP 2025-33, Aquatic Weed Control Maintenance and Ditch Cleaning Services were opened. Two proposals were received: Chuck Robinson Concrete and Bobcat, Inc. and Environmental Management Acquisitions LLC dba Estate Management Services.

The RFP Evaluation Committee met and ranked the 2 proposals:
1. Chuck Robinson Concrete and Bobcat Inc. (received 242 points)
2. Environmental Management Acquisitions LLC dba Estate Management Services (received 211 points)

The Committee recommends award to Chuck Robinson Concrete and Bobcat Inc., 1818 Ronda Lane, Pierson, FL.

Aquatic weed control maintenance and ditch cleaning services are critical elements in the successful management of stormwater. By providing the necessary cleaning and reshaping of storm water conveyance systems, including ponds, swales, ditches, and canals throughout the City; the collection, conveyance, and directing of stormwater allows contributing areas to drain properly and mitigates of flooding. Chuck Robinson Concrete and Bobcat Inc. has been providing Aquatic Weed Control Maintenance and Ditch Cleaning Services for the past twelve (12) plus years and has provided an excellent level of service and satisfaction in performing their assigned work tasks.


Financial Impact

The Fiscal Year 2024-25 budget contains an appropriation within Fund 107-Stormwater in the amount of $75,000 for aquatic weed control maintenance and ditch cleaning services.

Citizen Impact

Aquatic weed control maintenance and ditch cleaning services assist with flood mitigation which is a significant benefit to the residents of the City, in protection of life and property.

Attachments

1. 25-116 Weed Control-Ditch Cleaning-Chuck Robinson (P25-0072G)
2. Chuck Robinson Agreement (P25-0072G)
3. Chuck Robinson
4. Envirtonmental Management Acquisition LLC
5. RFP 2025-33 signed score summary
6. RFP 2025-33 signed tabulation

**RESOLUTION NO. 2025-116**

A RESOLUTION ACCEPTING THE PROPOSAL OF CHUCK ROBINSON CONCRETE AND BOB CAT SERVICE, INC., REGARDING AQUATIC WEED CONTROL MAINTENANCE AND DITCH CLEANING SERVICES; AUTHORIZING THE EXECUTION OF AN AGREEMENT AND PAYMENT THEREFOR; REJECTING ALL OTHER PROPOSALS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City solicited proposals for aquatic weed control maintenance and ditch cleaning services (the Project) (RFP No. 2025-33), in accordance with Section 2-300(b), *Code of Ordinances*, and

**WHEREAS,** the City's evaluation committee reviewed the two proposals received and determined that the most advantageous proposal is the proposal submitted by Chuck Robinson Concrete and Bob Cat Service, Inc. to provide aquatic weed control maintenance and ditch cleaning services (a copy of said proposal being incorporated in the contract which is attached hereto and incorporated herein by reference), and

**WHEREAS**, based on the foregoing, the City's professional staff recommends that the City Commission accept the proposal of Chuck Robinson Concrete and Bob Cat Service, Inc. at a cost not to exceed $75,000.00 annually ($225,000.00 for the initial three-year term plus two possible renewal periods for a total of $375,000.00 over a five-year period), and

**WHEREAS**, the City Manager has certified that the money for the payment of the Project has been appropriated to the credit of the Stormwater Fund (107) and has not been appropriated for any other purpose, now therefore

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE**. The proposal of Chuck Robinson Concrete and Bob Cat Service, Inc. to provide aquatic weed control maintenance and ditch cleaning for the City is hereby accepted.

**SECTION TWO.** All other proposals relative to the aforedescribed Project shall be deemed rejected upon the execution of an agreement with Chuck Robinson Concrete and Bob Cat Service, Inc.

**SECTION THREE**. The Mayor and the City Manager are hereby authorized and directed to execute an Agreement between the City and Chuck Robinson Concrete and Bob Cat Service, Inc. for the Project at a cost not to exceed $225,000.00 for the initial three-year term (plus two possible annual renewals of $75,000.00 each) and to pay the cost thereof from the Stormwater Fund.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# AGREEMENT

**THIS AGREEMENT** is made and entered into by and between the **City of Ormond Beach** ("City"), a Florida municipal corporation, 22 South Beach Street, Ormond Beach, Volusia County, Florida and **Chuck Robinson Concrete and Bob Cat Service, Inc.** ("Contractor"), 1818 Ronda Lane, Pierson, FL 32180, and in consideration of the mutual promises and covenants herein contained, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the following:

1. **Scope of Work.** The Request for Proposal (RFP 2025-33, "Aquatic Weed Control Maintenance and Ditch Cleaning Services") dated May 4, 2025 and Contractor's Equipment Price List, attached hereto as Exhibit "A" is incorporated herein by reference and is a material part of this Agreement. The Contractor shall fully comply with the terms and conditions described in the attached exhibit.

   A. **Authorization for Services.**

      1. Prior to authorization for professional services by Contractor:
         (a) City and Contractor shall develop a well-defined project description and complete understanding of the scope of services to be provided.
         (b) Contractor shall provide City with a detailed proposal that provides the total estimated cost for each phase of services based on the prices set forth in the attached exhibits. If the proposal is accepted by City, the City shall issue and execute a written Work Authorization to be signed by Contractor.
      2. Each Work Authorization shall contain:
         (a) The project description.
         (b) The scope of work. The scope of work shall be attached and incorporated into the Work Authorization. It shall describe the services to be performed for each phase of work.
         (c) The dates for commencement and completion of work.

   The Work Authorizations will be issued under and shall incorporate the terms of this Agreement. City makes no covenant or promise as to the number of available projects or that Contractor will perform any project for City during the life of this Agreement. City reserves the right to contract with other parties for the services contemplated by this Agreement when it is determined by City to be in the best interest of City to do so.

2. **Term.** This Agreement shall be effective on the date it is fully executed by the parties and shall have an initial term of three (3) years with two (2) automatic one-year renewal options unless either party provides at least ninety (90) days prior written notice of their intent not to renew.

3. **Consideration.** Contractor shall provide the equipment and perform the services at the prices set forth on Exhibit "A". Contractor shall prepare and submit invoices to the City at the address set forth in Paragraph 9 of this Agreement. All such invoices shall be paid by the City within thirty (30) days.

4. **Delivery.** Contractor shall complete the project within the time frame set forth on Exhibit "A".

5. **Termination of Agreement.**
   (a) The City Commission shall have the right to terminate the Agreement in the event the Contractor files any petition or proceeding for bankruptcy relief, or is adjudicated to be bankrupt or insolvent, or fails to pay just debts as they ordinarily become due; or for a material breach of this agreement that remains uncured for at least thirty days after prior written receipt of a notice of violation of same.

   (b) This Agreement may not be terminated by the Contractor.

6. **Assignment**. The Contractor shall not assign, convey or transfer all or any part of this Agreement, or all or any part of Contractor's interest herein, or all or any part of any interest in the Contractor, without the prior written consent of the City Commission, which consent shall not be unreasonably withheld.

7. **Complete Agreement**. This Agreement, including the provisions set forth in the exhibit attached hereto and incorporated by reference herein, constitutes the entire and complete agreement of the parties, and the promises and covenants herein contained shall survive the life of this Agreement.

8. **Amendment to Agreement**. Any amendment, change, or modification of this Agreement must be in writing and fully executed by both parties.

9. **Notices**. All notices which are required by this Agreement shall be provided to the parties at the following addresses, or such other addresses as may be requested in writing by either party:

| | |
|---|---|
| **City of Ormond Beach** | **Chuck Robinson Concrete and Bob Cat Service, Inc.** |
| Joyce Shanahan, City Manager | Charles P. Robinson, Owner |
| (copy to City Attorney) | 1818 Ronda Lane |
| 22 South Beach Street | Pierson, FL 32180 |
| Ormond Beach, FL 32174 | |

10. **Sovereign Immunity**. The City expressly retains and reserves all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the City.

11. **Venue**. The terms and conditions of this Agreement shall be construed and enforced under the laws of the State of Florida. Any action or proceeding, either at law or in equity, regarding this Agreement shall be brought in the circuit court, Seventh Judicial Circuit in and for Volusia County, Florida. Venue in any other jurisdiction or forum, whether it be any other circuit, state or federal venue, is hereby expressly waived.

12. **Waiver of Conditions**. No waiver by the City of any condition or breach of performance by the Contractor shall constitute an irrevocable, continuing, or subsequent waiver by the City of the same condition or breach of performance, or of any other condition or other breach of performance.

13. **Severability**. If any part of this Agreement is declared to be unenforceable or void by a court of competent jurisdiction, the remaining parts of the Agreement shall remain in full force and effect as long as the services to be provided by the Contractor are not materially affected, altered or impaired as a result of said judicial declaration.

14. **Conflicting Provisions.** In the event of any conflict between the provisions of this Agreement and any exhibits, the provision most favorable to the City shall control and shall be given full force and effect.

15. **Indemnification**. The City, its agents, employees, and officials, both elected and appointed, shall be indemnified and held harmless by Contractor from any and all liabilities, claims, and causes of action which may arise out of the willful, negligent, or unlawful acts or omissions of the Contractor or its subcontractors in the performance of this Agreement, unless such claims are a result of the City's sole negligence, as determined by the final decision maker of such claim.

16. **Duty to Defend.** The Contractor shall defend all suits and administrative actions, including all appellate proceedings, brought against the City, its agents, employees, and officials, both elected and appointed and shall pay all attorneys' fees and costs associated with the City's legal defense, as may be selected by the City, arising from all claims and causes of action described in Section 15 above. Such payment on behalf of the City shall be in addition to any and all other legal or equitable remedies available to the City and shall not be considered to be the City's exclusive remedy.

17. **Contractor's Insurance**. The Contractor shall purchase and maintain for the entire life of this Agreement, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under this Agreement, whether such operations be by the Contractor, or by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

18. **Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)

k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract.

ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

19. **Requirements for Certificates of Insurance.**

(a) With the execution of this Agreement, the Contractor shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain a provision that the coverage under the policies will not be canceled, non-renewed or materially changed until at least **thirty (30)** days' prior written notice of such cancellation, non-renewal or change [except for nonpayment of premium, which shall be **ten (10)** days] has been given to the City. The Contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACCORD FORM 25-S (7/90), or its successor form, and shall be made a part of this Agreement.

(b) New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

(c) If requested by the City, the Contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements.

(d) For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

(e) If the Contractor fails to obtain and maintain for the life of the Agreement the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City from the amount due the Contractor for the work covered by the Agreement.

(f) **Policies of Insurance**

1. Except as otherwise provided herein, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring

company is required to have a minimum financial rating of (A-) in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carriers; written confirmation is required.

3. All policies of insurance or certificates thereof referred to herein shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability and Automobile Liability policies of insurance and certificates thereof.

20. **Enforcement of Costs.** If any legal action or other proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default, or misrepresentation in connection with any provision of this Agreement, the successful or prevailing party or parties shall be entitled to recover reasonable attorneys' fees, court costs, and all expenses even if not taxable court costs (including, without limitation, all such fees, costs and expenses incident to arbitration, appellate, bankruptcy, and post-judgment proceedings), incurred in that action or proceeding or any appeal, in addition to any other relief to which the party or parties may be entitled. Attorneys' fees include legal assistant fees, expert witness fees, investigative fees, administrative costs, and all other charges billed by the attorney for the prevailing party.

21. **Compliance With Laws.** Contractor shall comply with all applicable federal, state and local laws and regulations.

22. **Compliance With Florida Public Records Law.** Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the

City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32175. (386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

23. **Limitation of Remedy and Liability.** Contractor and Owner expressly waive any claim for consequential damages against the other including but not limited to, a waiver of claims for diminished bonding capacity, loss of financing, loss of business reputation, lost profits on other projects or other lost opportunity damage claims.

Contractor expressly agrees that any claim (tort, contract, claim in equity, or otherwise) by Contractor for damages against Owner shall not exceed the total amount of the contract price, less any amounts actually paid to the Contractor by the Owner.

24. **Waiver of Right to Jury Trial.** THE PARTIES HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT WHICH ANY PARTY MAY HAVE TO TRIAL BY JURY IN RESPECT OF ANY PROCEEDING, LITIGATION OR COUNTERCLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR ACTIONS OF ANY PARTY. IF THE SUBJECT MATTER OF ANY LAWSUIT IS ONE IN WHICH THE WAIVER OF JURY TRIAL IS PROHIBITED, NO PARTY TO THIS AGREEMENT SHALL PRESENT AS A NON-COMPULSORY COUNTERCLAIM IN ANY SUCH LAWSUIT ANY CLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT. FURTHERMORE, NO PARTY TO

THIS AGREEMENT SHALL SEEK TO CONSOLIDATE ANY SUCH ACTION IN WHICH A JURY TRIAL CANNOT BE WAIVED.

25. **Verification of Employment Status Using E-Verify System**

(a) Section 448.09, *Florida Statutes*, makes it unlawful for any person to knowingly employ, hire, recruit, or refer, either for herself or himself, or on behalf of another, for private or public employment within the state, an alien who is not duly authorized to work in the United States. Contractor warrants that it is registered with the U.S. Department of Homeland Security's E-Verify system, and is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

(b) Contractor agrees that if the contractor enters into an agreement with a subcontractor, the subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and contractor warrants it shall maintain any such affidavits for the duration of the contract. If the City has a good faith belief that a subcontractor knowingly violated Section 448.09 (1), the City shall promptly notify the contractor and order the contractor to immediately terminate the contract with the subcontractor.

(c) In the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and as provided by statute, the contractor may not be awarded a public contract for at least one (1) year after the date of termination. The contractor may also be held liable for any additional costs incurred by the City as a result of the termination of the contract.

26. **No Conflict of Interest.** The Contractor warrants and agrees that neither it, nor any of its employees, agents, officers, directors, shareholders and independent contractors are, or will become, under contract with or accept compensation from any individual, business, corporation or governmental entity that has the possibility of an adverse interest to those of the City of Ormond Beach. The Contractor and its officers, directors, shareholders, employers, agents and subcontractors, agree not to provide any services or assistance to any entity directly or indirectly relating to the services provided to the City and to immediately notify the City Manager and City Attorney of any contact with any entity that has, or potentially has, a conflict of interest with the City of Ormond Beach. This provision shall be interpreted as broadly as possible to prevent any potential or actual conflict of interest presently or in the future by the Contractor.

27. **Effective Date.** This Agreement shall become effective upon the date last signed by the parties hereto.

IN WITNESS WHEREOF, the undersigned parties have caused this Agreement to be signed on the dates indicated hereinbelow.

DATED this _____ day of _____, 2025.

Witnesses:

**CITY OF ORMOND BEACH**

_____

By: _____
**JASON LESLIE**
Mayor

Print Name: _____

_____

By: _____
**JOYCE SHANAHAN**
City Manager

Print Name: _____

DATED this _____ day of _____, 2025.

Witnesses:

**CHUCK ROBINSON CONCRETE & BOBCAT, INC.**

_____

By: _____

Print Name: _____

Print Name: _____

Title: _____

_____

Attest: _____

Print Name: _____

Print Name: _____

Title: _____

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: Aquatic Weed Control Maintenance and Ditch Cleaning Services

RFP NUMBER:2025-33

RFP OPENING DATE & TIME: May 8, 2025 at 2:00 P.M.

RFP OPENING LOCATION: City Hall Training Room (breezeway)

PRE-SUBMITTAL MEETING: N/A

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: Chuck Robinson Concrete + BobCat Inc.

PROPOSER'S MAILING ADDRESS: 1818 Ronda lane

CITY-STATE-ZIP: Pierson, FL 32180

F.E.I.N.: 76-0747100

PHONE NUMBER: 386-527-0940

EMAIL: chuck@allaquatic.fl.com

If returning as a "No Submittal", please state reason (s): _____

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X Charles P Robinson
AUTHORIZED SIGNATURE (MANUAL)

Charles P. Robinson
NAME (TYPED)

Owner
TITLE

5-4-2025
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS.** The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S:** The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES:** All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING**: Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS**: The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best

commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY:** The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES:** The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32174**
**(386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**
**or online at**
**https://www.ormondbeach.org/prr**

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

## TERMS AND CONDITIONS

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

## I. OBJECTIVE OF THE REQUEST FOR PROPOSALS

Aquatic Weed Control Maintenance and Ditch Cleaning Services

## II. SCOPE OF SERVICES

The scope of work includes general aquatic maintenance activities within stormwater ponds, canals, ditches and/or lakes. The work covered in this proposal shall consist of furnishing all labor, materials, and equipment necessary to perform the noted aquatic maintenance activities.

## III. TERM OF AGREEMENT

The initial term of this agreement shall be for a period of three (3) years and will be automatically renewed for two (2) one-year periods thereafter unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the agreement.

## IV. MINIMUM QUALIFICATIONS

To be considered by the City, proposing firm must:

The Contractor shall be responsible for the dredging and clearing of ponds, canals, ditches and lakes of excessive vegetation and/or accumulated sediments. The Contractor shall provide proof of appropriate operator's licenses and project work experience. The Contractor shall obtain all permits and pay all required fees to any regulatory agency having jurisdiction over the proposed work. The Contractor shall be responsible for obtaining right-of entry and/or temporary use permits from property owners as necessary to accommodate treatments and/or temporary storage areas during mechanical harvesting or dredging. The Contractor shall be responsible for all required temporary and permanent sediment and erosion control measures. The site shall maintain compliance with City, County and State erosion control requirements. On completion of the work, evidence satisfactory to the City shall be furnished to the City to show that all work has been performed in accordance with the appropriate regulatory requirements and scope of work. At any time during the proposed work, the City or its agent may visit the site to observe work underway. Should the materials and/or workmanship not meet the City standards specified and agreed upon at the start of work, the Contractor shall timely correct the problem to the standards of the City at Contractor's expense. Disposal of all removed spoil, dredge or exotic plant material shall be the responsibility of the Contractor. Disposal shall be in an approved location. During and upon completion of the project the Contractor shall keep the project site clean. All damaged or altered existing structures resulting from the work shall be corrected. When or where direct or indirect injury is done to public or private property by or on account of any act, omission, neglect or misconduct in the execution of the work, or inconsequence of the non-execution thereof by the Contractor, the Contractor shall restore, at Contractor's expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, replanting, or otherwise restoring as may be directed, or Contractor shall make good such damage or injury in an acceptable manner.

## V. PROPOSAL PROCESS

The firm or individual(s) interested in this contract should include a response to each of the following items in their written proposal:

**A. Background of firm:**
The Proposer shall include qualifications and past performance of the firm/individual(s) who will provide the services, including resumes. The submission must include:

**A.** List three (3) references for which your company provided similar services as requested in this RFP. List the names of the client (name, address, telephone number, fax numbers and project title. The list should include brief description of similar work satisfactorily completed, including location, dates of contracts, names and addresses of clients/owners, and contact person.

**B.** List of personnel, by name and title, contemplated to perform the work for each position described. Include statement of credentials, education, experience, certifications, licenses and all pertinent information to demonstrate capabilities.

**B. Experience:**
Proposer shall explain the Scope of Services as understood by the Proposer, detail the approach and activities to be undertaken in providing the requested delivery, installation and servicing of requested equipment. The proposal shall include the following information:

**A.** Technical Plan. This shall include an explanation of the work procedures and processing system and resources to be utilized.

**B.** Explanation of the Proposer's approach plan to support the needs and objectives of the procurement as set forth in this RFP and the *Scope of Services.*

**C.** List of available in-house equipment and list of out sourced equipment.

**C. Fees:**

**Dredging and Bank Clearing - (assume min. 3 hours on-site)**

- Track Excavator with a long boom Per Hour
- All-Terrain Excavator (ex. Menzi Muck or Kaiser Spyder) Per Hour
- Dump Truck (15 cu. Yd.) Per Hour
- Bush Hog or equivalent mowing attachment Per Hour
- Amphibious Excavator Per Hour

**Aquatic Weed Harvesting**

- Aquatic Weed Harvester Per Hour
- Mobilization Fee: (One lump sum charge per job) Per Job
- Disposal Fee (Load ticket required for ea load, specifying yards) Cubic Yd
- Replace/Restore Sod (as needed) Sq. Yd.

## VI. PROPOSAL SUBMITTAL

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than 2:00 PM, May 8, 2025.

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until **April 28, 2025 at 4:00 PM.** Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart
City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity

which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

## VII. EVALUATION PROCESS AND CRITERIA

The City of Ormond Beach will conduct an evaluation of all proposals, submitted by the deadline, to determine compliance with proposal requirements and mandatory document submissions. The committee will consist of members of the Public Works Department and/or other departments as deemed appropriate. The committee will evaluate proposals and select the Proposer that meets the best interests of the City, and will make a recommendation of Award of Contract to the City Commission.

**The City reserves the following rights:**

- Modify, extend, or cancel this RFP at any time to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Issue a new RFP with terms and conditions that are the same, similar or substantially different as those set forth in this or a previous RFP in order to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Conduct pre-award discussion and/or pre-award negotiations with any or all responsive and responsible proposer(s) who submit proposals determined to be reasonably acceptable of being selected for award; and, conduct personal interviews or require presentations of any or all proposer(s) prior to selection.

- Request that proposer(s) furnish additional information as the City may reasonably require.

- Accept or reject qualifications or proposals in part or whole, and/or waive any defect or deficiency in any proposal, if in the City's sole judgment, the defect or deficiency is not material in response to this RFP;

- Limit and/or determine the actual contract services to be included in a contract.

- Engage outside experts to assist staff in evaluating the merits and viability of each proposer.

- Obtain information for use in evaluating submittals from any source.

- Verify the information received in the proposal. If a proposer knowingly and willfully submits false information or data, the City of Ormond Beach reserves the right to reject that proposal. If it is determined that an Agreement was awarded as a result of false statements or other data submitted in response to this RFP, the City of Ormond Beach reserves the right to terminate the Agreement.

The City shall be the sole judge of the proposer's qualifications.

**Evaluation Criteria:**

For the purposes of further evaluation, the responsive proposals will be evaluated on, but shall not be limited to, consideration of the following criteria:

Qualifications and Experience (40 points)
References (30 points)
Price (30 points)

Responsive proposals will be ranked in each of the criteria

## VIII. EXHIBITS

**The following exhibits are provided to assist firms with preparing proposals:**

**REGISTRATION AND INSURANCE REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS**

**Registration Requirements**

VENDORS doing business within the City Limits must be registered with the City. Requirements for registering a business are as follows:

Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).
Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official.

**State Certified/Registered Contractors**

All registered contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 Opt. 2 –(386) 248-8158 Fax. Certified Contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3370.

## EXHIBIT A
## Risk Management and Insurance Requirements

### A. Payment and Performance Bonds

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no

Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

ii. Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

3. The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

4. The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

5. The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

6. The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

7. In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

8. In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

9. The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

10. The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

1. **Hold Harmless and Indemnity**
The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

2. **Payment on Behalf of City**
The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

3. **Loss Control/Safety**
Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

4. **Service Bond**
For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be

provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize

**C. Contractor's Insurance**

1. **General**

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

2. **Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

(a) Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor

subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

## D. Requirements for Certificates of Insurance

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall

contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

2. New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

3. If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

4. For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

5. If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

**E. Policies of Insurance**

1. Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

3. All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

## RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| 4-25-25 | 2 |
| 4-24-25 | 1 |
| | |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: Chuck Robinson Concrete & Bob Cat, Inc

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 1818 Ronda Ln
Pierson, FL. 32180

PHONE NO.: 386-527-0940 EMAIL: chuck@allaquaticfl.com

SUBMITTER'S NAME: Charles P. Robinson
(Typed or Printed in Ink)

TITLE: Owner

**AUTHORIZED SIGNATURE:** I, Charles P Robinson hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

**CONFLICT, NON-CONFLICT OF INTEREST STATEMENT**
**LITIGATION STATEMENT**

1.

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

2.

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Chuck Robinson Concrete and BobCAT, Inc.
COMPANY NAME

Charles P Robinson
AUTHORIZED SIGNATURE

Charles P. Robinson
NAME (PRINT OR TYPE)

Owner
TITLE

5/4/25
DATE

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Chuck Robinson I am over the age of Twenty-one years old. I am the Owner (Title) of Chuck Robinson Concrete (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: 5-5, 2025

Signed: Charles P Robinson
Print Name: Charles P Robinson
Title: President Owner

SUBSCRIBED AND SWORN before me by means of [x] physical presence or [_] online notarization on the 5 day of May, 2025 by ~~Charles Robinson~~ William Craft as Notary Public on behalf of Charles Robinson who is personally known to me or who has produced FL Drivers License as identification.

(Notary Seal)

WILLIAM CRAFT
Notary Public - State of Florida
Commission # HH 574330
My Comm. Expires Jul 23, 2028
Bonded through National Notary Assn.

William Craft
Notary Public, State of FL
*Printed name, commission and expiration of commission term*

This document must be completed and returned with your Submittal

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Chuck Robinson Concrete & Bob Cat, Inc.
Company Name

Charles P Robinson
Authorized Signature

Charles P. Robinson
Print Name

Owner
Title

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES

### AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Owner (Title) of Chuck Robinson Concrete + Bob Cat Tr (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: 5-5, 2025 Signed: Charles P Robinson

Entity: Chuck Robinson Concrete + Bobcat Name: Charles P Robinson

Title: Owner

STATE OF: FL COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 5th day of May, 2025, by Charles Robinson and who: ☐ Is personally known to me; or ☒ has produced FL Drivers License as identification.

William Craft

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

WILLIAM CRAFT
Notary Public - State of Florida
Commission # HH 574330
My Comm. Expires Jul 23, 2028
Bonded through National Notary Assn.

My commission expires: 7/23/2028

This document must be completed and returned with your Submittal

# City of Ormond Beach
# Request for Proposals (RFP)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

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1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Chuck Robinson Concrete and Bobca
COMPANY NAME

Charles P Robinson
AUTHORIZED SIGNATURE

Charles P Robinson
NAME

Owner
TITLE

5/05/25
DATE

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane Pierson, Fl. 32180

386-527-0940

Chuck@allaquaticfl.com

## Equipment Price list for RFP 2025-33

| Activity | Unit | Estimated quantity | unit price | total cost |
|---|---|---|---|---|
| Menzi Muck | | | | |
| Kaiser spider | 1 hour | 300 | $148.00 | 44,400.00 |
| Dump Truck | 1 hour | 300 | $150.00 | 45,000.00 |
| Aquatic Weed | | | | |
| Harvester | 1 hour | 300 | $120.00 | 36,000.00 |
| Kubota | | | | |
| Skid Steer | 1 hour | 300 | $100.00 | 30,000.00 |
| Morooka Hauler | 1hour | 300 | $145.00 | 43,500.00 |
| 1500 | | | | |
| Morooka Hauler | 1 hour | 300 | $120.00 | 36,000.00 |
| 800 | | | | |

| | | | | |
|---|---|---|---|---|
| (2) Amphibious | | | | |
| Floating Hoes | 1 Hour | 300 | $250.00 | 75,000.00 |
| Barge | 1 Hour | 300 | $120.00 | 36,000.00 |
| Mobilization of | each Piece | | $400.00 | |
| Mobilization of | Amphibius excavator | | $1200.00 | |

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: Aquatic Weed Control Maintenance and Ditch Cleaning Services

RFP NUMBER:2025-33

RFP OPENING DATE & TIME: May 8, 2025 at 2:00 P.M.

RFP OPENING LOCATION: City Hall Training Room (breezeway)

PRE-SUBMITTAL MEETING: N/A

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: Chuck Robinson Concrete + BobCat Inc.

PROPOSER'S MAILING ADDRESS: 1818 Ronda Lane

CITY-STATE-ZIP: Pierson, FL 32180

F.E.I.N.: 76-0747100

PHONE NUMBER: 386-527-0940

EMAIL: chuck@allaquatic.fl.com

If returning as a "No Submittal", please state reason (s): _____

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X Charles P Robinson
AUTHORIZED SIGNATURE (MANUAL)

Charles P. Robinson
NAME (TYPED)

Owner
TITLE

5-4-2025
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS.** The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S:** The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES:** All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING**: Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS**: The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best

commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY**: The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES**: The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32174**
**(386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**
**or online at**
**https://www.ormondbeach.org/prr**

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

## TERMS AND CONDITIONS

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

## I. OBJECTIVE OF THE REQUEST FOR PROPOSALS

Aquatic Weed Control Maintenance and Ditch Cleaning Services

## II. SCOPE OF SERVICES

The scope of work includes general aquatic maintenance activities within stormwater ponds, canals, ditches and/or lakes. The work covered in this proposal shall consist of furnishing all labor, materials, and equipment necessary to perform the noted aquatic maintenance activities.

## III. TERM OF AGREEMENT

The initial term of this agreement shall be for a period of three (3) years and will be automatically renewed for two (2) one-year periods thereafter unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the agreement.

## IV. MINIMUM QUALIFICATIONS

To be considered by the City, proposing firm must:

The Contractor shall be responsible for the dredging and clearing of ponds, canals, ditches and lakes of excessive vegetation and/or accumulated sediments. The Contractor shall provide proof of appropriate operator's licenses and project work experience. The Contractor shall obtain all permits and pay all required fees to any regulatory agency having jurisdiction over the proposed work. The Contractor shall be responsible for obtaining right-of entry and/or temporary use permits from property owners as necessary to accommodate treatments and/or temporary storage areas during mechanical harvesting or dredging. The Contractor shall be responsible for all required temporary and permanent sediment and erosion control measures. The site shall maintain compliance with City, County and State erosion control requirements. On completion of the work, evidence satisfactory to the City shall be furnished to the City to show that all work has been performed in accordance with the appropriate regulatory requirements and scope of work. At any time during the proposed work, the City or its agent may visit the site to observe work underway. Should the materials and/or workmanship not meet the City standards specified and agreed upon at the start of work, the Contractor shall timely correct the problem to the standards of the City at Contractor's expense. Disposal of all removed spoil, dredge or exotic plant material shall be the responsibility of the Contractor. Disposal shall be in an approved location. During and upon completion of the project the Contractor shall keep the project site clean. All damaged or altered existing structures resulting from the work shall be corrected. When or where direct or indirect injury is done to public or private property by or on account of any act, omission, neglect or misconduct in the execution of the work, or inconsequence of the non-execution thereof by the Contractor, the Contractor shall restore, at Contractor's expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding, replanting, or otherwise restoring as may be directed, or Contractor shall make good such damage or injury in an acceptable manner.

## V. PROPOSAL PROCESS

The firm or individual(s) interested in this contract should include a response to each of the following items in their written proposal:

**A. Background of firm:**
The Proposer shall include qualifications and past performance of the firm/individual(s) who will provide the services, including resumes. The submission must include:

**A.** List three (3) references for which your company provided similar services as requested in this RFP. List the names of the client (name, address, telephone number, fax numbers and project title. The list should include brief description of similar work satisfactorily completed, including location, dates of contracts, names and addresses of clients/owners, and contact person.

**B.** List of personnel, by name and title, contemplated to perform the work for each position described. Include statement of credentials, education, experience, certifications, licenses and all pertinent information to demonstrate capabilities.

**B. Experience:**
Proposer shall explain the Scope of Services as understood by the Proposer, detail the approach and activities to be undertaken in providing the requested delivery, installation and servicing of requested equipment. The proposal shall include the following information:

**A.** Technical Plan. This shall include an explanation of the work procedures and processing system and resources to be utilized.

**B.** Explanation of the Proposer's approach plan to support the needs and objectives of the procurement as set forth in this RFP and the *Scope of Services.*

**C.** List of available in-house equipment and list of out sourced equipment.

**C. Fees:**

**Dredging and Bank Clearing - (assume min. 3 hours on-site)**

- Track Excavator with a long boom Per Hour
- All-Terrain Excavator (ex. Menzi Muck or Kaiser Spyder) Per Hour
- Dump Truck (15 cu. Yd.) Per Hour
- Bush Hog or equivalent mowing attachment Per Hour
- Amphibious Excavator Per Hour

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane Pierson, Fl. 32180

386-527-0940

chuck@allaquaticfl.com

May 4th 2025

Attn: Purchasing and Contracts

Ormond Beach Floirda

To: Whom it may concern:

There have been no regulatory and/or license sanctions against Chuck Robinson Concrete and Bob Cat, Inc.

Sincerely,

Charles P. Robinson

5/4/2025

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane

Pierson, Fl. 32180

386-527-0940

Chuck@allaquaticfl.com

May 4, 2025

Attn: Purchasing and Contracts

Ormond Beach

RFP-2025-33

To: Whom it May Concern:

There have been no litigation Involving Chuck Robinson Concrete and Bob Cat Inc.

Thank you,

Charles P. Robinson

5-4-2025

Chuck Robinson Concrete and Bob Cat Inc.

1818 Ronda Lane

Pierson, Fl. 32180

386-527-0940

chuck@allaquaticfl.com

Gloria Eby – Natural Resources and sustainability

407-559-3471

geby@cityofwinterpark.org

City of Winter Park

401 Park Ave. South

Winter Park, Fl. 32789

Greg Oas

goas@apopka.net

321-460-9007

City of Apopka

748 E. Cleveland St

Apopka, Fl. 32703

Greenwood and Sons

36738 Cr 452

Grand Island, Fl 32735

Glenn Greenwood

352-551-7916

Greenwooddumpsters@outlook.com

Chuck Robinson Concrerte and Bob Cat, Inc.

1818 Ronda Lane

Pierson, Fl. 32180

386-527-0940

chuck@allaquaticfl.com

May 4, 2025

Attn: Purchasing and Contracts Division

Ormond Beach Fl, 32180

RFP-2025-33

To: Whom it may concern:

Employee Profile resume/position

Charles P. Robinson

Position- Owner

Mr. Robinson has over 25 years of experience in the excavating and Heavy Equipment industry. Specializing in the aquatic weed industry. With specialized equipment such as Menzi and Kaiser Spiders and Marsh Master Floating amphibius excavators.

Charles Hastings

Position Operating Specialist

Charlie has over 37 years, experience operating very specialized equipment. He is considered an expert in the operation of the Menzi and Kaiser Spider. Charlie has a vast knowledge of all heavy equipment and possesses a CDL license.

Chris Robinson

Position Operator

Chris has over 12 years' experience with weed harvesting and aquatic maintenance equipment. Chris comes with pipe and retention pond building experience. Chris possesses and CDL License.

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane Pierson, Fl. 32180

386-527-0940

chuck@allaquaticfl.com

RFP 2025-33 Equipment List

- Kubota Skid Steer
- Kaiser Spider 2-wheel drive
- Kaiser Spider 4-wheel drive
- Bulldozer
- Aquatic Weed Harvester
- Morooka Track Dump Truck 800
- International Dump Truck
- Morooka Track Dump Truck 1500
- Cat Amphibius excavator – Floating
- Menzi Muck Spider 2-wheel drive
- Menzi Muck Spider 4-wheel drive
- Barge

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane Pierson, Fl. 32180

386-527-0940

Chuck@allaquaticfl.com

## Equipment Price list for RFP 2025-33

| Activity | Unit | Estimated quantity | unit price | total cost |
|---|---|---|---|---|
| Menzi Muck Kaiser spider | 1 hour | 300 | $148.00 | 44,400.00 |
| Dump Truck | 1 hour | 300 | $150.00 | 45,000.00 |
| Aquatic Weed Harvester | 1 hour | 300 | $120.00 | 36,000.00 |
| Kubota Skid Steer | 1 hour | 300 | $100.00 | 30,000.00 |
| Morooka Hauler 1500 | 1hour | 300 | $145.00 | 43,500.00 |
| Morooka Hauler 800 | 1 hour | 300 | $120.00 | 36,000.00 |

| | | | | |
|---|---|---|---|---|
| (2) Amphibious | | | | |
| Floating Hoes | 1 Hour | 300 | $250.00 | 75,000.00 |
| Barge | 1 Hour | 300 | $120.00 | 36,000.00 |
| Mobilization of | each Piece | | $400.00 | |
| Mobilization of | Amphibius excavator | | $1200.00 | |

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane Pierson, Fl 32180

386-527-0940

chuck@allaquaticfl.com

Technical Plan

May 4, 2025

Attn: Purchasing and Contracts

Ormond Beach Fl

RFP-2025-33

To: Whom it may concern

Chuck Robinson Concrete specializes in aquatic excavation and storm water maintenance. We have over 30 years of combined experience with similar projects outlined in the RFP. Our company has worked with Ormond Beach for many years on a variety of projects.

We can and will provide the needed manpower, equipment and any other necessary resources to complete the work involved in this proposal in a timely and professional manner. This contract, as in all the work we provide, will take top priority upon acceptance.

We feel our track record extensive knowledge of specialized equipment we utilize combined with our environmentally cautious approach will provide Ormond Beach with cost effective yet above average results.

Sincerely,

Charles P. Robinson

Chuck Robinson Concrete and Bob Cat, Inc.

1818 Ronda Lane Pierson, Fl. 32180

386-527-0940

chuck@allaquaticfl.com

Scope

May 4, 2025

Attn: Purchasing and Contracts Division

Ormond Beach

RFP-2025

To: Whom it may concern

The scope of work outlined in the RFP is our company's specialty. We possess the specialized equipment necessary to complete all tasks. Per request we have attached a complete list of all available equipment.

Our employees are extensively experienced in aquatic weed control, both on land and water. To include ditch cleaning, weed harvesting evasive plant removal mud and soil excavation and general aquatic maintenance. We feel we are more than qualified and have proven to be professional, efficient, environmentally cautious and complete job scopes in a timely manner.

Sincerely,

Charles P. Robinson

**Aquatic Weed Harvesting**

- Aquatic Weed Harvester Per Hour
- Mobilization Fee: (One lump sum charge per job) Per Job
- Disposal Fee (Load ticket required for ea load, specifying yards) Cubic Yd
- Replace/Restore Sod (as needed) Sq. Yd.

## VI. PROPOSAL SUBMITTAL

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than 2:00 PM, May 8, 2025.

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until **April 28, 2025 at 4:00 PM.** Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart
City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity

which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

## VII. EVALUATION PROCESS AND CRITERIA

The City of Ormond Beach will conduct an evaluation of all proposals, submitted by the deadline, to determine compliance with proposal requirements and mandatory document submissions. The committee will consist of members of the Public Works Department and/or other departments as deemed appropriate. The committee will evaluate proposals and select the Proposer that meets the best interests of the City, and will make a recommendation of Award of Contract to the City Commission.

**The City reserves the following rights:**

- Modify, extend, or cancel this RFP at any time to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Issue a new RFP with terms and conditions that are the same, similar or substantially different as those set forth in this or a previous RFP in order to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Conduct pre-award discussion and/or pre-award negotiations with any or all responsive and responsible proposer(s) who submit proposals determined to be reasonably acceptable of being selected for award; and, conduct personal interviews or require presentations of any or all proposer(s) prior to selection.

- Request that proposer(s) furnish additional information as the City may reasonably require.

- Accept or reject qualifications or proposals in part or whole, and/or waive any defect or deficiency in any proposal, if in the City's sole judgment, the defect or deficiency is not material in response to this RFP;

- Limit and/or determine the actual contract services to be included in a contract.

- Engage outside experts to assist staff in evaluating the merits and viability of each proposer.

- Obtain information for use in evaluating submittals from any source.

- Verify the information received in the proposal. If a proposer knowingly and willfully submits false information or data, the City of Ormond Beach reserves the right to reject that proposal. If it is determined that an Agreement was awarded as a result of false statements or other data submitted in response to this RFP, the City of Ormond Beach reserves the right to terminate the Agreement.

The City shall be the sole judge of the proposer's qualifications.

**Evaluation Criteria:**

For the purposes of further evaluation, the responsive proposals will be evaluated on, but shall not be limited to, consideration of the following criteria:

Qualifications and Experience (40 points)
References (30 points)
Price (30 points)

Responsive proposals will be ranked in each of the criteria

## VIII. EXHIBITS

**The following exhibits are provided to assist firms with preparing proposals:**

**REGISTRATION AND INSURANCE REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS**

**Registration Requirements**

VENDORS doing business within the City Limits must be registered with the City. Requirements for registering a business are as follows:

Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).
Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official.

**State Certified/Registered Contractors**

All registered contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 Opt. 2 –(386) 248-8158 Fax. Certified Contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3370.

## EXHIBIT A
## Risk Management and Insurance Requirements

### A. Payment and Performance Bonds

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no

Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

**ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

**3.** The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

**4.** The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

**5.** The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

**6.** The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

**7.** In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

**8.** In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

**9.** The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

**10.** The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

1. **Hold Harmless and Indemnity**
   The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

2. **Payment on Behalf of City**
   The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

3. **Loss Control/Safety**
   Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

4. **Service Bond**
   For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be

provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize

## C. Contractor's Insurance

### 1. General

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

### 2. Types of Insurance and Limits of Liability

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor

subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

## D. Requirements for Certificates of Insurance

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall

contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

2. New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

3. If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

4. For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

5. If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

**E. Policies of Insurance**

1. Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

3. All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 05/05/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER | CONTACT NAME: Silvia Gomez | |
|---|---|---|
| Insurance Land (Deland)<br>120 N. Woodland Blvd.<br>Deland FL 32720 | PHONE (A/C, No, Ext): (386) 734-5111 FAX (A/C, No): (386) 734-5162<br>E-MAIL ADDRESS: sgomez@insuranceland.org | |
| | INSURER(S) AFFORDING COVERAGE | NAIC # |
| | INSURER A : SECURITY NATIONAL INSURANCE CO | |
| INSURED<br>Chuck Robinson Concrete & Bobcat Service, Inc<br>1818 Ronda Lane<br>Pierson FL 32180 | INSURER B : OAK RIVER INSURANCE COMPANY | |
| | INSURER C : | |
| | INSURER D : | |
| | INSURER E : | |
| | INSURER F : | |

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | [X] COMMERCIAL GENERAL LIABILITY<br>[ ] CLAIMS-MADE [X] OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>[X] POLICY [ ] PRO-JECT [ ] LOC<br>[ ] OTHER: | | | SES1818605 01 | 12/28/2025 | 12/28/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG<br>$ | $ 1,000,000<br>$ 100,000<br>$ 5,000<br>$ 1,000,000<br>$ 2,000,000<br>$ 2,000,000<br>$ |
| B | AUTOMOBILE LIABILITY<br>[ ] ANY AUTO<br>[ ] OWNED AUTOS ONLY [X] SCHEDULED AUTOS<br>[ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY | | | 04APM039839-02 | 10/07/2024 | 10/07/2025 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)<br>$ | $ 1,000,000<br>$<br>$<br>$<br>$ |
| | [ ] UMBRELLA LIAB [ ] OCCUR<br>[ ] EXCESS LIAB [ ] CLAIMS-MADE<br>[ ] DED [ ] RETENTION $ | | | | | | EACH OCCURRENCE<br>AGGREGATE<br>$ | $<br>$<br>$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [ ]<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | | | | [ ] PER STATUTE [ ] OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | <br>$<br>$<br>$ |
| | | | | | | | | |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

92055- Dredging
95410- Grading of Land

**CERTIFICATE HOLDER**

City of Ormond Beach
rob.hart@ormondbeach.org
22 South Beach Street
Ormond Beach FL 32174

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Silvia Gomez

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# CERTIFICATE OF LIABILITY INSURANCE

Acct#: 3030803

DATE (MM/DD/YYYY): 05/05/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER | CONTACT NAME: | |
|---|---|---|
| AON RISK SERVICES SOUTH, INC<br>3550 LENOX ROAD NORTHEAST, SUITE 1700<br>ATLANTA, GA 30326 | PHONE (A/C, No, Ext): 844-398-0470 | FAX (A/C, No): |
| | E-MAIL ADDRESS: certs@peoplease.com | |

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Indemnity Insurance Company of North America | 43575 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

INSURED
**Chuck Robinson Concrete & Bobcat, Inc.**
**1818 Ronda Lane**
**PIERSON, FL 32180**

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| | COMMERCIAL GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ |
| | ☐ CLAIMS-MADE ☐ OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ |
| | | | | | | | MED EXP (Any one person) | $ |
| | | | | | | | PERSONAL & ADV INJURY | $ |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ |
| | ☐ POLICY ☐ PRO-JECT ☐ LOC | | | | | | PRODUCTS - COMP/OP AGG | $ |
| | ☐ OTHER: | | | | | | | $ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ |
| | ☐ ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | ☐ HIRED AUTOS ☐ NON-OWNED AUTOS | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | ☐ UMBRELLA LIAB ☐ OCCUR | | | | | | EACH OCCURRENCE | $ |
| | ☐ EXCESS LIAB ☐ CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | ☐ DED ☐ RETENTION $ | | | | | | | $ |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | C72818763 | 12/31/2024 | 01/01/2026 | X PER STATUTE ☐ OTH-ER | |
| | | | | | | | E.L. EACH ACCIDENT | $ 1000000 |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | $ 1000000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ 1000000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

POLICY VALID IN FLORIDA

**CERTIFICATE HOLDER**

**City of Ormond Beach**
**22 South Beach Street**
**Ormond Beach Florida FL 32174**

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

# Request for Taxpayer Identification Number and Certification

▶ **Go to *www.irs.gov/FormW9* for instructions and the latest information.**

**Give Form to the requester. Do not send to the IRS.**

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Chuck Robinson Concrete and Bob Cat, Inc. AKA All aquatic Maintenance

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

**Note:** Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

*(Applies to accounts maintained outside the U.S.)*

5 Address (number, street, and apt. or suite no.) See instructions.

1818 Ronda Lane

Requester's name and address (optional)

6 City, state, and ZIP code

Pierson, Fl 32180

7 List account number(s) here (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

**Social security number**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | – | | | – | | | | |

**or**

**Employer identification number**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 7 | 6 | – | 0 | 7 | 4 | 7 | 1 | 0 | 0 |

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign Here** | **Signature of U.S. person** ▶ Chuck Robinson | **Date** ▶ 5/5/2025

# General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

*If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See* What is backup withholding, *later.*

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),

2. Certify that you are not subject to backup withholding, or

3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and

4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting,* later, for further information.

**Note:** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

**Foreign person.** If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

**Nonresident alien who becomes a resident alien.** Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.

2. The treaty article addressing the income.

3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.

4. The type and amount of income that qualifies for the exemption from tax.

5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

***Example.*** Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

## Backup Withholding

**What is backup withholding?** Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

**Payments you receive will be subject to backup withholding if:**

1. You do not furnish your TIN to the requester,

2. You do not certify your TIN when required (see the instructions for Part II for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code,* later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships,* earlier.

## What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code,* later, and the Instructions for the Requester of Form W-9 for more information.

## Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

## Penalties

**Failure to furnish TIN.** If you fail to furnish your correct TIN to a requester, you are subject to a penalty of $50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

**Civil penalty for false information with respect to withholding.** If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a $500 penalty.

**Criminal penalty for falsifying information.** Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

**Misuse of TINs.** If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

# Specific Instructions

## Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

**Note: ITIN applicant:** Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

## Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

## Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

| IF the entity/person on line 1 is a(n) . . . | THEN check the box for . . . |
|---|---|
| • Corporation | Corporation |
| • Individual<br>• Sole proprietorship, or<br>• Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes. | Individual/sole proprietor or single-member LLC |
| • LLC treated as a partnership for U.S. federal tax purposes,<br>• LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or<br>• LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes. | Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation) |
| • Partnership | Partnership |
| • Trust/estate | Trust/estate |

## Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

**Exempt payee code.**

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)

2—The United States or any of its agencies or instrumentalities

3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

4—A foreign government or any of its political subdivisions, agencies, or instrumentalities

5—A corporation

6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession

7—A futures commission merchant registered with the Commodity Futures Trading Commission

8—A real estate investment trust

9—An entity registered at all times during the tax year under the Investment Company Act of 1940

10—A common trust fund operated by a bank under section 584(a)

11—A financial institution

12—A middleman known in the investment community as a nominee or custodian

13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

| IF the payment is for . . . | THEN the payment is exempt for . . . |
|---|---|
| Interest and dividend payments | All exempt payees except for 7 |
| Broker transactions | Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012. |
| Barter exchange transactions and patronage dividends | Exempt payees 1 through 4 |
| Payments over $600 required to be reported and direct sales over $5,000[1] | Generally, exempt payees 1 through 5[2] |
| Payments made in settlement of payment card or third party network transactions | Exempt payees 1 through 4 |

[1] See Form 1099-MISC, Miscellaneous Income, and its instructions.

[2] However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

**Exemption from FATCA reporting code.** The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

**Note:** You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

### Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

### Line 6

Enter your city, state, and ZIP code.

## Part I. Taxpayer Identification Number (TIN)

**Enter your TIN in the appropriate box.** If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

**Note:** See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

**How to get a TIN.** If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at *www.SSA.gov*. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at *www.irs.gov/Businesses* and clicking on Employer Identification Number (EIN) under Starting a Business. Go to *www.irs.gov/Forms* to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to *www.irs.gov/OrderForms* to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

**Note:** Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

**Caution:** A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

## Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

**Signature requirements.** Complete the certification as indicated in items 1 through 5 below.

**1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.

**2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

**3. Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

**4. Other payments.** You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

**5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions.** You must give your correct TIN, but you do not have to sign the certification.

## What Name and Number To Give the Requester

| For this type of account: | Give name and SSN of: |
|---|---|
| 1. Individual | The individual |
| 2. Two or more individuals (joint account) other than an account maintained by an FFI | The actual owner of the account or, if combined funds, the first individual on the account[1] |
| 3. Two or more U.S. persons (joint account maintained by an FFI) | Each holder of the account |
| 4. Custodial account of a minor (Uniform Gift to Minors Act) | The minor[2] |
| 5. a. The usual revocable savings trust (grantor is also trustee) | The grantor-trustee[1] |
| b. So-called trust account that is not a legal or valid trust under state law | The actual owner[1] |
| 6. Sole proprietorship or disregarded entity owned by an individual | The owner[3] |
| 7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A)) | The grantor* |
| **For this type of account:** | **Give name and EIN of:** |
| 8. Disregarded entity not owned by an individual | The owner |
| 9. A valid trust, estate, or pension trust | Legal entity[4] |
| 10. Corporation or LLC electing corporate status on Form 8832 or Form 2553 | The corporation |
| 11. Association, club, religious, charitable, educational, or other tax-exempt organization | The organization |
| 12. Partnership or multi-member LLC | The partnership |
| 13. A broker or registered nominee | The broker or nominee |
| 14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments | The public entity |
| 15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B)) | The trust |

[1] List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

[2] Circle the minor's name and furnish the minor's SSN.

[3] You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

[4] List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships,* earlier.

***Note:** The grantor also must provide a Form W-9 to trustee of trust.

**Note:** If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

## Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

**Protect yourself from suspicious emails or phishing schemes.** Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to *phishing@irs.gov*. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at *spam@uce.gov* or report them at *www.ftc.gov/complaint*. You can contact the FTC at *www.ftc.gov/idtheft* or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see *www.IdentityTheft.gov* and Pub. 5027.

Visit *www.irs.gov/IdentityTheft* to learn more about identity theft and how to reduce your risk.

## Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

## RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| 4-25-25 | 2 |
| 4-24-25 | 1 |
| | |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: Chuck Robinson Concrete & Bob Cat, Inc

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 1818 Ronda Ln
Pierson, Fl. 32180

PHONE NO.: 386-527-0940 EMAIL: chuck@allaquaticfl.com

SUBMITTER'S NAME: Charles P. Robinson
(Typed or Printed in Ink)

TITLE: Owner

**AUTHORIZED SIGNATURE**: I, Charles P Robinson hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

**CONFLICT, NON-CONFLICT OF INTEREST STATEMENT**
**LITIGATION STATEMENT**

1.

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

2.

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Chuck Robinson Concrete and BobCAT, Inc.
COMPANY NAME

Charles P Robinson
AUTHORIZED SIGNATURE

Charles P. Robinson
NAME (PRINT OR TYPE)

Owner
TITLE

5/4/25
DATE

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Chuck Robinson. I am over the age of Twenty-one years old. I am the Owner (Title) of Chuck Robinson Concrete (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: 5-5, 2025

Signed: Charles P Robinson
Print Name: Charles P Robinson
Title: President - Owner

SUBSCRIBED AND SWORN before me by means of [X] physical presence or [_] online notarization on the 5 day of May, 2025 by ~~Charles Robinson~~ William Craft as Notary Public on behalf of Charles Robinson who is personally known to me or who has produced FL Drivers License as identification.

(Notary Seal)

WILLIAM CRAFT
Notary Public - State of Florida
Commission # HH 574330
My Comm. Expires Jul 23, 2028
Bonded through National Notary Assn.

William Craft
Notary Public, State of FL
*Printed name, commission and expiration of commission term*

This document must be completed and returned with your Submittal

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Chuck Robinson Concrete + Bob Cat, Inc.
Company Name

Charles P. Robinson
Authorized Signature

Charles P. Robinson
Print Name

Owner
Title

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES

### AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Owner (Title) of Chuck Robinson Concrete + Bob Cat Inc (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: 5-5, 2025 Signed: Charles P Robinson

Entity: Chuck Robinson Concrete & Bobcat Name: Charlie S P Robinson

Title: Owner

STATE OF: FL COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒physical presence or ☐online notarization, this 5th day of May, 2025, by Charles Robinson and who: ☐ Is personally known to me; or ☒ has produced FL Drivers License as identification.

William Craft

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

WILLIAM CRAFT
Notary Public - State of Florida
Commission # HH 574330
My Comm. Expires Jul 23, 2028
Bonded through National Notary Assn.

My commission expires: 7/23/2028

This document must be completed and returned with your Submittal

# City of Ormond Beach
# Request for Proposals (RFP)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

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1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Chuck Robinson Concrete and Bobcat
COMPANY NAME

Charles P Robinson
AUTHORIZED SIGNATURE

Charles P Robinson
NAME

Owner
TITLE

5/05/25
DATE

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: Aquatic Weed Control Maintenance and Ditch Cleaning Services

RFP NUMBER:2025-33

RFP OPENING DATE & TIME: May 8, 2025 at 2:00 P.M.

RFP OPENING LOCATION: City Hall Training Room (breezeway)

PRE-SUBMITTAL MEETING: N/A

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: Environmental Management Acquisition LLC. DBA Estate Management Services

PROPOSER'S MAILING ADDRESS: 305 Indigo Drive

CITY-STATE-ZIP: Brunswick, Ga 31525

F.E.I.N.: 934010688

PHONE NUMBER: (912) 466-9800/ (912) 313-0562

EMAIL: admin@ponds.org / jeremy@ponds.org

If returning as a "No Submittal", please state reason (s): NA

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

Jeremy Anderson
NAME (TYPED)

Natural Areas & Wetlands Director
TITLE

4/14/2025
DATED

**City of Ormond Beach**
**Request for Proposals**
**Aquatic Weed Control Maintenance and Ditch Cleaning Services**
**RFP No. 2025-33**

# RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| April 24, 2025 | 1 |
| April 25, 2025 | 2 |
| | |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: Environmental Management Acquisition LLC. DBA Estate Management Services

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 305 Indigo Drive Brunswick, Ga 31525

PHONE NO.: (912) 466-9800/ (912) 313-0562 EMAIL: admin@ponds.org / jeremy@ponds.org

SUBMITTER'S NAME: Jeremy Anderson
(Typed or Printed in Ink)

TITLE: Natural Areas & Wetlands Director

**AUTHORIZED SIGNATURE:** I, _____ hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

**CONFLICT, NON-CONFLICT OF INTEREST STATEMENT**
**LITIGATION STATEMENT**

1.

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

2.

[X] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Environmental Management Acquisition LLC.
DBA Estate Management Services
COMPANY NAME

X
AUTHORIZED SIGNATURE

Jeremy Anderson
NAME (PRINT OR TYPE)

Natural Areas & Wetlands Director
TITLE

4/14/2025
DATE

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Jeremy Anderson. I am over the age of Twenty-one years old. I am the Nat. Area & Wetland Director (Title) of Estate Management Ser. (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: MAY 5, 2025

Signed: _____
Print Name: Jeremy Anderson
Title: Natural Areas & Wetlands Director

SUBSCRIBED AND SWORN before me by means of [✓] physical presence or [__] online notarization on the 5 day of MAY, 2025 by Jeremy Anderson as _____ on behalf of King who is personally known to me or who has produced _____ as identification.

(Notary Seal)

_____
Notary Public, State of 1/14/2026
*Printed name, commission and expiration of commission term*

JENNIFER KASPER NOTARY EXPIRES GEORGIA JAN 11, 2026 PUBLIC GLYNN COUNTY

This document must be completed and returned with your Submittal

# City of Ormond Beach
# Request for Proposals
# Aquatic Weed Control Maintenance and Ditch Cleaning Services
# RFP No. 2025-33

## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Environmental Management Acquisition LLC.
DBA Estate Management Services
Company Name

Authorized Signature

Jeremy Anderson
Print Name

Natural Areas & Wetlands Director
Title

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Nat. Area & Wetland Dir. (Title) of Estate Management Services (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: May 5, 2025 Signed: [signature]

Entity: Estate Management Services Name: Jeremy Anderson

Title: Natural Areas & Wetlands Director

STATE OF: Georgia COUNTY OF: Glynn

The foregoing instrument was acknowledged before me by means of ☐physical presence or ☐online notarization, this 5 day of MAY, 2025, by Jeremy Anderson and who: ☑ is personally known to me; or ☐ has produced _____ as identification.

[signature]

Notary Public, ~~State of Florida at~~ Large: Georgia (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

JENNIFER KASPER NOTARY PUBLIC GEORGIA GLYNN COUNTY EXPIRES JAN 11, 2026

My commission expires: 1/11/2026

This document must be completed and returned with your Submittal

# City of Ormond Beach
# Request for Proposals (RFP)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

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1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Environmental Management Acquisition LLC>
DBA Estate Management Services
COMPANY NAME

AUTHORIZED SIGNATURE

Jeremy Anderson
NAME

Natural Areas & Wetlands Director
TITLE

4/14/2025
DATE


ESTATE MANAGEMENT
SERVICES

## About Estate Management Services

Over our 30-year history, Estate Management Services has grown into one of the largest and most well-regarded aquatics companies in the United States. Our broad range of services, highly trained workforce and unparalleled technical expertise has set us apart in the aquatic industry.

EMS maintains eight locations across five states, providing contract aquatic maintenance and compliance services for a range of municipal, commercial, federal, and private clients. Additionally, EMS boasts robust capabilities in wetland mitigation plans, wetland delineations, dredging, airboat application, aerial application, aquatic toxicology analysis and laboratory services.

EMS' consulting arm, Meryman Environmental, is headquartered in Riverview, FL and has been a FL-based Environmental Consultant for 50 years. While operating under different names, EMS and Meryman have the same ownership and work closely together on aquatic and wetland management plan design and execution.

EMS also has a stormwater services arm, Georgia Stormwater Services, headquartered in Atlanta, Ga and has been a stormwater service Consultant and repair company for 9 years. While operating under different names, EMS and GSS have the same ownership and work closely together on stormwater Consulting, Inspections and repairs.

## Our Leadership Team

**John Crabb, Sr. Aquatics Director** - John Crabb has been a licensed aquatics contractor for 30 years across eleven different states. A former board member for the SC Aquatic Plant Management Society and the Arkansas Water Resource Commission, John has been actively involved in the aquatics industry and an advocate for the preservation of natural areas for his entire career. John has provided consulting services for GADNR, SCDNR, Tennessee Valley Authority, City of Atlanta, and Santee Cooper in matters regarding water quality and aquatic resource management. In his 30 years in the industry, John has overseen large-scale lake management programs and drinking reservoirs in thirteen different states.

**Jeremy Anderson, Natural Areas/ Wetlands Director** – Jeremy Anderson has 20 years of natural areas management experience on private, federal, state and utility waterways. He has 10 years of experience treating aquatic weeds on the Santee Cooper lakes. Jeremy is licensed in six states in aquatics, right-of-way, and natural areas. Mr. Anderson also holds certifications as a Master Certified Pond/ Stormwater Manager, USCG Captains License, SePRO Certified preferred applicator and Procellacor specialist. Additionally, Jeremy is an experienced Raven Precision Guided spray technician and is licensed BioBase Bathymetry mapping technician. Jeremy oversees services for Miami Dade County, SCDNR aquatic vegetation control program and Santee Lake management program. Jeremy is also certified in hazardous material handling and spill containment.

**Jennifer Kasper, Chief Operating Officer** - Jennifer Kasper has over 15 years of management experience. Jennifer specializes in administrative management, team leading, and is actively engaged in aquatics training. She oversees all aspects of EMS operations, driving efficiency, scalability, and profitability. With a proven history of implementing innovative solutions and optimizing processes, Jennifer Kasper plays a pivotal role in guiding EMS towards its strategic goals. She brings a combination of strategic vision and hand-on operational expertise, ensuring alignment across departments and fostering a culture of collaboration and excellence. Jennifer is a powerful force in the workplace and uses her cheerful outlook and tireless energy to encourage others to work hard and succeed as a team.

**Tim Woodland, President** – Tim Woodland has over 15 years of experience in construction, development, and land management, with a particular focus on large scale project management across multiple geographies. Tim is a licensed General Contractor, a Certified Master Pond Manager, and is a member of the Stormwater Policy Committee for the Southeast Stormwater Association. Tim has completed successful projects in 27 different states and internationally for numerous Fortune 100 companies, heads of state and federal and municipal entities.

## Our Clients

Some of our clients include:

**Additional Relevant Equipment/Capabilities**

Environmental Consulting

- Agency permitting
- Wetland Planting, Restoration and Design
- Wetland Mitigation Design
- Wetland Determination and Delineation
- UMAM/ERP Permitting
- Wildlife Taxonomy and Habitat Restoration
- Endangered Species Permits, Relocation, Management and Monitoring
- NPDES Stormwater Permit Monitoring and Compliance Management
- Surface and Ground Water Analysis
- Soil, Sediment and Sludge Analysis
- In-house laboratory services

Dredging

- (3) Dredge units with trained, dedicated operators and support crew
- In-house bathymetric mapping and analysis

Natural Areas

- (5) Airboats equipped with Raven Precision Guided Spray nozzles for precise application monitoring and reporting
- Certified Natural Areas applicator

Aeration

- Fountains (Sales/ Installation)
- Fountains (Maintenance/ Repairs)
- Fountain cleaning
- Diffusers (Sales/ Installation)
- Diffusers (Maintenance/ Repairs)

ESTATE MANAGEMENT SERVICES

**References**

Janie Parrish
Common Area Manager
Sun City Hilton Head
(843) 705-4084
janie.parrish@schhca.com

Ken Lambright, GCS
Sea Island Golf Club, Retreat Course
(912) 638-3325
Kenlambright@seaisland.com

Brian Spradley
Procurement Contracting Officer
Miami Dade County
(305) 375-4706
Brian.Spradley@miamidade.gov

ESTATE MANAGEMENT SERVICES

May 1, 2025

Re: Information about Our Services

Here is some information about our company. Estate Management Services is a Georgia based corporation with offices throughout the Southeast, Mid-South, and Mid-West. With our 30 years of experience, we are able to provide consulting for lake systems, stormwater systems and drinking reservoirs worldwide. We are best known for our advanced technology and a true turnkey all in one service provider. We have in-house staffed dredge services, limnology services, lab services, fountain and aeration, mosquito abatement, aqua scaping, SOX erosion services, fisheries management, airboat services, and Truxor amphibious work. Besides our staff, our strengths are the ability to provide the client with the best possible solutions by not just recommending the only services that we provide. Our full scale of services affords you the comfort of knowing we are suggesting the best possible solutions to your aquatics program needs.

Feel free to contact me should you have any questions.

Sincerely,

Jeremy Anderson
Natural Areas and Wetlands Director
Estate Management Services
Email: jeremy@ponds.org
912-313-0562

# City of Ormond Beach

Plan:

City of Ormond Beach,

We are a full service Aquatic Pond/ Lake Management Company and we look forward to the opportunity to provide these services for you. Based on your needs we have put together this proposal package to cover all the possible options you may need during this agreement if selected. We are fully committed to dredging or clearing ponds, lakes, canals, ditches and lakes of excess vegetation or sediment.

Our goal is to upon being advised of a particular need gather all pertinent information and any required permits and mobilize. At that time, we will complete the assigned project with professional service in a timely manner. As each of these pieces of equipment is different and performing different tasks the approach plan will vary slightly. However, we are educated in servicing and completing any task that may arise based on the proposed specifications. If you have any questions, please feel free to contact me.

Sincerely,

Jeremy Anderson
Natural Areas and Wetlands Director
Estate Management Services
Email: jeremy@ponds.org
912-313-0562

# City of Ormond Beach

## Equipment Price List

| Equipment Fees: | Per Hr (3 hr min) |
|---|---|
| Track Excavator w/ long boom | $375 |
| Mobilization Fee | $2250 |
| All-Terrain Excavator | $300 |
| Mobilization Fee | $1850 |
| Dump Truck per hr. | $125 |
| Bush Hog or mowing equipment | $225 |
| Mobilization Fee | $750 |
| Amphibious Excavator | $250 |
| Mobilization Fee | $2250 |
| Aquatic Weed Harvester | $450 |
| Mobilization Fee | $2500 |
| Dean Dredge unit | $500 |
| Mobilization Fee | $2500 |
| Truxor Dredge/ Universal unit | $450 |
| Mobilization Fee | $2250 |
| Disposal Fee (Load) | $850 |
| Disposal Fee (cubic yd) | $50 |
| Replace Sod (sq. yd.) | $350 |

## Outsourced Equipment:

Track Excavator w/ long boom
All-Terrain Excavator
Dump Truck
Bush Hog depending on job assignment
Amphibious Excavator

santee cooper

Allan Stack
Environmental Specialist III
Santee Cooper
(843) 761-8000 ext. 4407
Allan.stack@santeecooper.com
April 14, 2025

To Whom It May Concern,

Personally, I have had the pleasure of working with Estate Management Services over the past five years. Santee Cooper's lake management group has worked alongside them for ten years, during which time they consistently demonstrated commitment and reliability in aquatic plant management.

Estate Management Services has managed a variety of aquatic plant issues on the Santee Cooper lake system, including invasive species control. Generally, they have aided Santee Cooper in managing species like crested floating heart, water hyacinth, and giant salvinia in non- residential areas. At times, they have also effectively treated these same species in residential areas. Occasionally, they have helped us treat algal blooms in wastewater ponds, at our generating stations. They have been a pleasant part of our team regardless of the aquatic plant issue at hand.

I am confident that Santee Cooper will continue to have a positive relationship with EMS. I would recommend them to any organization needing their assistance in aquatic plant control.

Please feel free to contact me at (843)761-8000 ext. 4407 or allan.stack@santeecooper.com if you have any questions or require further information.

Sincerely,

Allan Stack

Allan Stack
Environmental Specialist III
Santee Cooper

MIAMI-DADE COUNTY
miamidade.gov

**Parks, Recreation and Open Spaces**
13841 SW 120th Street Bldg #2
Miami, Florida 33186
T 305-386-5239

April 23, 2025

Re: Letter of Recommendation

To Whom It May Concern:

I have had the pleasure of knowing Mr. Jeremy Anderson of Estate Management Services for about **4 years**. Through a contract with Miami Dade County Special Taxing the company was awarded the task to clean and maintain certain Lakes in different communities for residents. The scope of work was to provide quality control inspections, aquatic weed control such as maintaining weeds, algae, floating/submerged weeds & border grass. During this period, he demonstrated that he is very honest, dedicated, energetic, positive, and conscientious in whatever he undertakes.

Based on my observation, in terms of his professional career, I would recommend Mr. Anderson and the Estate Management Services for water control quality services. He is motivated, responsible, and possesses a high degree of integrity. Should you need any further information, please do not hesitate to contact me at **(786) 202-1037**.

Sincerely,

Larry C. Gardner

**Larry Gardner** PROS Special Taxing District Supervisor
**Miami-Dade County Parks, Recreation and Open Spaces Department**
13841 S.W 120th Street Bldg#2
Miami, Florida 33186
**305-386-5239** Office Phone/Cell Number **786-202-1037**

# Leon County
## Board of County Commissioners
301 South Monroe Street, Tallahassee, Florida 32301
(850) 606-5300 www.leoncountyfl.gov

Public Works
Engineering Services
2280 Miccosukee Road
Tallahassee, Florida 32308
(850) 606-1500



Commissioners

BRIAN WELCH
District 4
Chairman

CHRISTIAN CABAN
District 2
Vice Chairman

BILL PROCTOR
District 1

RICK MINOR
District 3

DAVID T. O'KEEFE
District 5

CAROLYN D. CUMMINGS
At-Large

NICK MADDOX
At-Large

VINCENT S. LONG
County Administrator

CHASITY H. O'STEEN
County Attorney


April 22, 2025

Re: Letter of Recommendation

To Whom It May Concern,

My name is Johnny Richardson, and I am the Water Resource Scientist for Leon County Public Works, located in Tallahassee, FL. I am happy to write this Letter of Recommendation for Estate Management Services, Inc.

I have worked with Jeremy Anderson of Estate Management Services since early 2024 on an ongoing invasive exotic aquatic plant removal project that encompasses natural waterbodies as well as stormwater facilities in Leon County, Florida. I have been extremely satisfied with the results of the project, the work ethic of Estate Management Services' employees, as well as my ongoing working relationship with Mr. Anderson.

I wholeheartedly recommend Mr. Anderson and Estate Management Services, Inc. for herbicide treatment of invasive exotic aquatic plants in natural, or manmade (e. g., stormwater facilities) waterbodies. Please feel free to contact me by phone (850) 606-1541 or email at Richardsonjo@leoncountyfl.gov.

Sincerely,

Johnny Richardson

Johnny Richardson
Water Resource Scientist
Public Works Department
Engineering Services Division
2280 Miccosukee Rd.
Tallahassee, FL 32308

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/15/2025

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

| PRODUCER | CONTACT NAME: Jackie Smith | |
|---|---|---|
| Todd Associates | PHONE (A/C, No, Ext): (440) 461-1101 | FAX (A/C, No): (440) 446-0192 |
| 22901 Millcreek Blvd | E-MAIL ADDRESS: jacqueline.smith@aleragroup.com | |
| Suite 160 | | |
| Highland Hills OH 44122 | | |

| INSURED | INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|---|
| Environmental Management Acquisition LLC | INSURER A: PartnerRE Ins. Solution BM LTD | |
| DBA Estate Management Services, Inc. | INSURER B: National Liab & Fire Ins. Co. | 20052 |
| 305 Indigo Dr. | INSURER C: Insurance Company of the West | 27847 |
| Brunswick GA 31525-5895 | INSURER D: Atlantic Specialty Ins. Co. | 27154 |
| | INSURER E: | |
| | INSURER F: | |

**COVERAGES** **CERTIFICATE NUMBER:** 2024/25 EMA **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | [X] COMMERCIAL GENERAL LIABILITY<br>[ ] CLAIMS-MADE [X] OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>[ ] POLICY [X] PRO-JECT [ ] LOC<br>[ ] OTHER: | | | VCP2023152-02 | 11/21/2024 | 11/21/2025 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG<br>[ ] | $ 1,000,000<br>$ 100,000<br>$ 5,000<br>$ 1,000,000<br>$ 2,000,000<br>$ 2,000,000<br>$ |
| B | AUTOMOBILE LIABILITY<br>[ ] ANY AUTO<br>[ ] OWNED AUTOS ONLY<br>[X] SCHEDULED AUTOS<br>[ ] HIRED AUTOS ONLY<br>[ ] NON-OWNED AUTOS ONLY | | | 73APB010091 | 11/21/2024 | 11/21/2025 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)<br>[ ] | $ 1,000,000<br>$<br>$<br>$<br>$ |
| | [ ] UMBRELLA LIAB [ ] OCCUR<br>[ ] EXCESS LIAB [ ] CLAIMS-MADE<br>[ ] DED [ ] RETENTION $ | | | | | | EACH OCCURRENCE<br>AGGREGATE<br>[ ] | $<br>$<br>$ |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [N]<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | WMI507431901 | 11/21/2024 | 11/21/2025 | [X] PER STATUTE [ ] OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | <br>$ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |
| D | Vessel Protection | | | JH74564 | 11/21/2024 | 11/21/2025 | Ea Occurence<br>Aggregate | $1,000,000<br>$1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER**

City of Ormond Beach
22 South Beach St.
Ormond Beach FL 32174

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____

# ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

| AGENCY | NAMED INSURED |
|---|---|
| Todd Associates | Georgia Stormwater Services, LLC |
| POLICY NUMBER | |
| CARRIER / NAIC CODE | EFFECTIVE DATE: |

**ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**

**FORM NUMBER:** 25 **FORM TITLE:** Certificate of Liability Insurance: Notes

Environmental Liability Policy VCP2023152-01 11/21/24 - 11/21/25
Includes the below coverages:
Contractors Pollution Liability Coverage Part
Claim Limit (for each Pollution Condition) $1,000,000
Claims Aggregate Limit $2,000,000
Deductible $5,000
CPL "Optional Coverages:
Transportation by a Insured Carrier (1st Party) $1,000,000
Transportation by a 3rd Party Transporter $1,000,000
Natural Resource Damages $1,000,000
Microbial Substances (Mold/Fungus) $1,000,000
Non-Owned Disposal Site (NODS) CM $1,000,000
Professional Liability Coverage Part
Claim Limit (for each Claim) $1,000,000
Claims Aggregate Limit $2,000,000
Deductible $5,000
Designated Contruction Projects Aggregate - $5,000,000 (All Projects
Required by Written Contract)
Employee Benefits - $1,000,000 Ea Employee/Aggregate

Applicator Sublimit:
PESTICIDES, HERBICIDE, SLUDGE APPLICATOR COVERAGE SUB-LIMIT
Coverage applies per the schedule listed below for any liability from treating, spraying, or applying a chemical or sludge application.

Applicable to All Coverage Parts Combined -
General Liability, Contractors Pollution Liability and Professional Liability:
$50,000 Occurrence
$50,000 Aggregate
$5,000 Deductible


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## RFP Evaluation Summary

**Project: Aquatic Weed Control Maintenance and Ditch Cleaning Services**

Recommendation(s) of Award highlighted

**RFP Number: 2025-33**

**Date & Time: May 30, 2025 10:00 AM**

**The RFP's were scored on the following criteria:**

Qualifications and Experience **40 Points Max**

References **30 Points Max**

Price **30 Points Max**

Summary

| | Qualifications and Experience 40 Points Max | | | | References 30 Points Max | | | | Price 30 Points Max | | | | Totals | | | | Rank |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Firm | A.S. | B.D. | T.N. | Total | A.S. | B.D. | T.N. | Total | A.S. | B.D. | T.N. | Total | A.S. Totals | B.D. Totals | T.N. Totals | Total Score | Rank |
| **Chuck Robinson Concrete + BobCat Inc** | **35** | **30** | **38** | 103 | **25** | **10** | **26** | 61 | **30** | **20** | **28** | 78 | **90** | **60** | **92** | 242 | 1 |
| **Environmental Management Acquisition LLC dba Estate Management Services** | **35** | **20** | **35** | 90 | **20** | **15** | **28** | 63 | **20** | **10** | **28** | 58 | **75** | **45** | **91** | 211 | 2 |

Rob Hart
Purchasing Coordinator

Alex Schumann
City Engineer

Bobby Dudzin
System Maintenence Supervisor

Trevor Neal
Utility Project Manager

# City of Ormond Beach

## RFP TABULATION
## Aquatic Weed Control Maintenance and Ditch Cleaning Services
## RFP No. 2025-33

RFP Opening Date: May 8, 2025 Time: 2:00 P.M.

| The Following Companies Submitted Proposals: |
|---|
| Chuck Robinson Concrete + Bobcat Inc |
| Environmental Management Acquisition LLC dba Estate Management Services |
| |
| |
| |
| |
| |
| |
| |
| |

**Opened By:** _____
**Bobby Dudzin**
**System Maintenance Supervisor**

**Tabulated By:** _____
**Rob Hart**
**Purchasing Coordinator**

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.P. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | RFP Award - New Playground Equipment, Andy Romano Beachfront Park and Fire Station 91 | | |
| **Recommended Action** | Staff recommends award to Playcore Wisconsin Inc dba Gametime for the design and installation of the new playground equipment at Andy Romano Beachfront Park and Fire Station 91. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Leisure Services<br>Robert Carolin, Leisure Services Director | | |


Summary

The purpose of this agenda item is to award the contract for the design and installation of new playground equipment at Andy Romano Beachfront Park and Fire Station 91.

Four contractors submitted proposals in response to the Request for Proposals (RFP) issued by the City. The vendors include Play Power LT Farmington Inc c/o Playworx Playsets LLC, Playmore West Inc.,Lanier Plans Inc dba KorKat, and Playcore Wisconsin Inc dba Gametime.

The proposals were reviewed by the 3 members of the evaluation committee, comprised of Robert Carolin, Leisure Services Director, David Lisicki, Contract Manager, and Cindy Berglund, Permit Manager.

The proposals varied in price from $226,148.48 to $299,738.08 and were evaluated based on scoring evaluation as follows:

- Qualifications and Experience (30 points)
- References (20 points)
- Proposed Playground Equipment and Configuration (30 points)
- Written Proposal & Project Schedule (20 points)

Based on a comprehensive evaluation of all submissions and the highest overall scores, the Evaluation Committee recommends the contract be awarded to Playcore Wisconsin Inc., dba Gametime. The Committee has endorsed the selection of Option A for both sites, which

encompasses the preferred design elements, equipment specifications, and installation schedule.

Financial Impact

The Fire Station 91 playground cost of $183,505.12 is included in the FY 2024-25 budget under Fund 317 – Facilities Renewal & Replacement Fund. The Andy Romano Beachfront Park playground, a cost of $114,976, was not included within the current budget and will need a budget amendment from the General Fund Reserves.

Citizen Impact

The new playground equipment will provide necessary structural updates, enhance the recreational components of the City's parks, and improve the quality of life for residents and visitors of Ormond Beach.

Attachments

1. 25-117 ARBP & FS91 playground-Playcore (P25-0076G)
2. Playcore Agreement
3. Gametime RFP 2025-37
4. RFP 2025-37 signed score summary

**RESOLUTION NO. 2025-117**

A RESOLUTION ACCEPTING THE PROPOSAL OF PLAYCORE WISCONSIN, INC. D/B/A GAMETIME REGARDING THE PURCHASE AND INSTALLATION OF PLAYGROUND EQUIPMENT FOR ANDY ROMANO BEACHFRONT PARK AND FIRE STATION 91 PARK; AUTHORIZING THE EXECUTION OF AN AGREEMENT AND PAYMENT THEREFOR; REJECTING ALL OTHER PROPOSALS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City solicited proposals for the purchase and installation of playground equipment at Andy Romano Beachfront Park and Fire Station 91 Park (the Project) (City RFP No. 2025-37), in accordance with Section 2-300, *Code of Ordinances*, and

**WHEREAS,** the City's evaluation committee reviewed the four (4) proposals received and determined that the most advantageous proposal for the City is the proposal submitted by Playcore Wisconsin, Inc. d/b/a Gametime to provide playground equipment for Andy Romano Beachfront Park in the amount of $114,976.00 and Fire Station 91 Park in the amount of $183,505.12 (a copy of said proposals being incorporated in the contract which is attached hereto and incorporated herein by reference), and

**WHEREAS**, based on the foregoing the City's professional staff recommends that the City Commission accept the proposal of Playcore Wisconsin, Inc. d/b/a Gametime and execute an agreement for the Project, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE**. The proposal of Playcore Wisconsin, Inc. d/b/a Gametime for the purchase and installation of playground equipment at Andy Romano Beachfront Park and Fire Station 91 Park is hereby accepted.

**SECTION TWO**. All other proposals relative to the aforedescribed Project shall be deemed rejected upon the execution of an agreement with Playcore Wisconsin, Inc. d/b/a Gametime.

**SECTION THREE** The Mayor and the City Manager are hereby authorized and directed to execute an Agreement between the City and Playcore Wisconsin, Inc. d/b/a Gametime for the Project in the total amount of $298,481.12, and to pay the cost thereof from the Facilities Renewal and Replacement Fund (317) and General Fund Reserves.

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

## AGREEMENT

**THIS AGREEMENT** is made and entered into by and between the **City of Ormond Beach** ("City"), a Florida municipal corporation, 22 South Beach Street, Ormond Beach, Volusia County, Florida and **Playcore Wisconsin, Inc. d/b/a Gametime** ("Contractor"), 150 Playcore Drive SE, Fort Payne, AL 35968, and in consideration of the mutual promises and covenants herein contained, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the following:

1. **Scope of Work.** The Request for Proposals RFP 2025-37 "Andy Romano Beachfront Park and Fire Station 91 Playground" attached hereto as Exhibit "A", Contractor's proposal for Option A-Andy Romano Playground attached hereto as Exhibit "B", and Contractor's proposal for Option A-Fire Station 91 Playground attached hereto as Exhibit C" are all incorporated herein by reference and are a material part of this Agreement. The Contractor shall fully comply with the terms and conditions described in the attached exhibits.

2. **Term.** This Agreement shall be effective on the date it is fully executed by the parties. It shall remain in effect for the duration of both projects which are each estimated to be 150 days for final completion from the notice to proceed.

3. **Consideration.** Contractor shall provide the equipment and perform the services at the following prices:

   Andy Romano Playground, Option A for the total sum of $114,976.00 as more fully set forth on Exhibit "B";

   Fire Station 91 Playground, Option A for the total sum of $183,505.12 as more fully set forth on Exhibit "C".

   Contractor shall prepare and submit invoices to the City at the address set forth in Paragraph 9 of this Agreement. All such invoices shall be paid by the City within thirty (30) days. Final payment will be made only after delivery and installation of the equipment and completion of the City's final acceptance inspection.

4. **Delivery.** Contractor shall complete the project within the time frame set forth on the attached exhibits.

5. **Termination of Agreement**.

   (a) The City Commission shall have the right to terminate the Agreement in the event the Contractor files any petition or proceeding for bankruptcy relief, or is adjudicated to be bankrupt or insolvent, or fails to pay just debts as they ordinarily become due; or for a material breach of this agreement that remains uncured for at least thirty days after prior written receipt of a notice of violation of same.

   (b) This Agreement may not be terminated by the Contractor.

6. **Assignment**. The Contractor shall not assign, convey or transfer all or any part of this Agreement, or all or any part of Contractor's interest herein, or all or any part of any interest

in the Contractor, without the prior written consent of the City Commission, which consent shall not be unreasonably withheld.

7. **Complete Agreement**. This Agreement, including the provisions set forth in the exhibits attached hereto and incorporated by reference herein, constitutes the entire and complete agreement of the parties, and the promises and covenants herein contained shall survive the life of this Agreement.

8. **Amendment to Agreement**. Any amendment, change, or modification of this Agreement must be in writing and fully executed by both parties.

9. **Notices**. All notices which are required by this Agreement shall be provided to the parties at the following addresses, or such other addresses as may be requested in writing by either party:

| | |
|---|---|
| **City of Ormond Beach** | **Playcore Wisconsin, Inc.** |
| Joyce Shanahan, City Manager | **d/b/a Gametime** |
| (copy to City Attorney) | Rob Dominica |
| 22 South Beach Street | 150 Playcore Drive SE |
| Ormond Beach, FL 32174 | Fort Payne, AL 35968 |

10. **Sovereign Immunity**. The City expressly retains and reserves all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the City.

11. **Venue**. The terms and conditions of this Agreement shall be construed and enforced under the laws of the State of Florida. Any action or proceeding, either at law or in equity, regarding this Agreement shall be brought in the circuit court, Seventh Judicial Circuit in and for Volusia County, Florida. Venue in any other jurisdiction or forum, whether it be any other circuit, state or federal venue, is hereby expressly waived.

12. **Waiver of Conditions**. No waiver by the City of any condition or breach of performance by the Contractor shall constitute an irrevocable, continuing, or subsequent waiver by the City of the same condition or breach of performance, or of any other condition or other breach of performance.

13. **Severability**. If any part of this Agreement is declared to be unenforceable or void by a court of competent jurisdiction, the remaining parts of the Agreement shall remain in full force and effect as long as the services to be provided by the Contractor are not materially affected, altered or impaired as a result of said judicial declaration.

14. **Conflicting Provisions.** In the event of any conflict between the provisions of this Agreement and any exhibits, the provision most favorable to the City shall control and shall be given full force and effect.

15. **Indemnification**. The City, its agents, employees, and officials, both elected and appointed, shall be indemnified and held harmless by Contractor from any and all liabilities, claims, and causes of action which may arise out of the willful, negligent, or unlawful acts or omissions of the Contractor or its subcontractors in the performance of this Agreement, unless such claims are a result of the City's sole negligence, as determined by the final decision maker of such claim.

16. **Duty to Defend.** The Contractor shall defend all suits and administrative actions, including all appellate proceedings, brought against the City, its agents, employees, and officials, both elected and appointed and shall pay all attorneys' fees and costs associated with the City's legal defense, as may be selected by the City, arising from all claims and causes of action described in Section 15 above. Such payment on behalf of the City shall be in addition to any and all other legal or equitable remedies available to the City and shall not be considered to be the City's exclusive remedy.

17. **Contractor's Insurance**. The Contractor shall purchase and maintain for the entire life of this Agreement, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under this Agreement, whether such operations be by the Contractor, or by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

18. **Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for

coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract.

ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

19. **Requirements for Certificates of Insurance.**

(a) With the execution of this Agreement, the Contractor shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain a provision that the coverage under the policies will not be canceled, non-renewed or materially changed until at least **thirty (30)** days' prior written notice

of such cancellation, non-renewal or change [except for nonpayment of premium, which shall be **ten (10)** days] has been given to the City. The Contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of this Agreement.

(b) New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

(c) If requested by the City, the Contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements.

(d) For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

(e) If the Contractor fails to obtain and maintain for the life of the Agreement the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City from the amount due the Contractor for the work covered by the Agreement.

(f) **Policies of Insurance**

1. Except as otherwise provided herein, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-) in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carriers; written confirmation is required.

3. All policies of insurance or certificates thereof referred to herein shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability and Automobile Liability policies of insurance and certificates thereof.

20. **Enforcement of Costs**. If any legal action or other proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default, or misrepresentation in connection with any provision of this Agreement, the successful or prevailing party or parties shall be entitled to recover reasonable attorneys' fees, court costs, and all expenses even if not taxable court costs (including, without limitation, all such fees, costs and expenses incident to arbitration, appellate, bankruptcy, and post-judgment proceedings), incurred in that action or proceeding or any appeal, in addition to any other relief to which the party or parties may be entitled. Attorneys' fees include legal assistant fees, expert witness fees, investigative fees, administrative costs, and all other charges billed by the attorney for the prevailing party.

21. **Compliance With Laws.** Contractor shall comply with all applicable federal, state and local laws and regulations.

22. **Compliance With Florida Public Records Law**. Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS**

**RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32175. (386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

23. **Limitation of Remedy and Liability.** Contractor and Owner expressly waive any claim for consequential damages against the other including but not limited to, a waiver of claims for diminished bonding capacity, loss of financing, loss of business reputation, lost profits on other projects or other lost opportunity damage claims.

Contractor expressly agrees that any claim (tort, contract, claim in equity, or otherwise) by Contractor for damages against Owner shall not exceed the total amount of the contract price, less any amounts actually paid to the Contractor by the Owner.

24. **Waiver of Right to Jury Trial.** THE PARTIES HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT WHICH ANY PARTY MAY HAVE TO TRIAL BY JURY IN RESPECT OF ANY PROCEEDING, LITIGATION OR COUNTERCLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR ACTIONS OF ANY PARTY. IF THE SUBJECT MATTER OF ANY LAWSUIT IS ONE IN WHICH THE WAIVER OF JURY TRIAL IS PROHIBITED, NO PARTY TO THIS AGREEMENT SHALL PRESENT AS A NON-COMPULSORY COUNTERCLAIM IN ANY SUCH LAWSUIT ANY CLAIM BASED ON, OR ARISING OUT OF, UNDER OR IN CONNECTION WITH THIS AGREEMENT. FURTHERMORE, NO PARTY TO THIS AGREEMENT SHALL SEEK TO CONSOLIDATE ANY SUCH ACTION IN WHICH A JURY TRIAL CANNOT BE WAIVED.

25. **Verification of Employment Status Using E-Verify System**

(a) Section 448.09, *Florida Statutes*, makes it unlawful for any person to knowingly employ, hire, recruit, or refer, either for herself or himself, or on behalf of another, for private or public employment within the state, an alien who is not duly authorized to work in the United States. Contractor warrants that it is registered with the U.S. Department of Homeland Security's E-Verify system, and is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

(b) Contractor agrees that if the contractor enters into an agreement with a subcontractor, the subcontractor must provide the contractor with an affidavit stating that the

subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and contractor warrants it shall maintain any such affidavits for the duration of the contract. If the City has a good faith belief that a subcontractor knowingly violated Section 448.09 (1), the City shall promptly notify the contractor and order the contractor to immediately terminate the contract with the subcontractor.

(c) In the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and as provided by statute, the contractor may not be awarded a public contract for at least one (1) year after the date of termination. The contractor may also be held liable for any additional costs incurred by the City as a result of the termination of the contract.

26. **No Conflict of Interest.** The Contractor warrants and agrees that neither it, nor any of its employees, agents, officers, directors, shareholders and independent contractors are, or will become, under contract with or accept compensation from any individual, business, corporation or governmental entity that has the possibility of an adverse interest to those of the City of Ormond Beach. The Contractor and its officers, directors, shareholders, employers, agents and subcontractors, agree not to provide any services or assistance to any entity directly or indirectly relating to the services provided to the City and to immediately notify the City Manager and City Attorney of any contact with any entity that has, or potentially has, a conflict of interest with the City of Ormond Beach. This provision shall be interpreted as broadly as possible to prevent any potential or actual conflict of interest presently or in the future by the Contractor.

27. **Effective Date**. This Agreement shall become effective upon the date last signed by the parties hereto.

IN WITNESS WHEREOF, the undersigned parties have caused this Agreement to be signed on the dates indicated hereinbelow.

DATED this _____ day of _____, 2025.

Witnesses:

**CITY OF ORMOND BEACH**

_____

By: _____
**JASON LESLIE**
Mayor

Print Name: _____

_____

By: _____
**JOYCE SHANAHAN**
City Manager

Print Name: _____

DATED this _____ day of _____, 2025.

Witnesses:

**PLAYCORE WISCONSIN, INC.**
**d/b/a Gametime**

_____

Print Name: _____

By: _____

Print Name: _____

Title: _____

_____

Print Name: _____

Attest: _____

Print Name: _____

Title: _____

EXHIBIT "A"


# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

## PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: Andy Romano Beachfront Park and Fire Station 91 Playground

RFP NUMBER:**2025-37**

RFP OPENING DATE & TIME: **May 6, 2025 at 2:00 pm**

RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**

PRE-PROPOSAL MEETING DATE & TIME: **None**

PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: Playcore Wisconsin, Inc. dba Gametime

PROPOSER'S MAILING ADDRESS: 150 Playcore Drive SE

CITY-STATE-ZIP: Ft Payne, AL 35968

F.E.I.N.: 39-1720480

PHONE NUMBER: 407-331-0101

EMAIL: Robd@gametime.com

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

Rob Dominica
NAME (TYPED)

President/drp
TITLE

05/02/2025
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS.** The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S:** The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES:** All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING:** Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS:** The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY:** The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES:** The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used

in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32174**
**(386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**
**or online at**
https://www.ormondbeach.org/prr

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

**TERMS AND CONDITIONS**

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

## I. OBJECTIVE OF THE REQUEST FOR PROPOSALS

The City of Ormond Beach, Florida, is requesting proposals and services from companies who are qualified to design and install all playground equipment components for this project. The equipment shall meet all current playground/fitness safety standards and certifications including, but not limited to, CPSC, ASTM, DIN and IPEMA.

The proposed playgrounds will be located at Fire Station 91, 364 S Atlantic Avenue and Andy Romano Beachfront Park, 839 S Atlantic Avenue.

## II. SCOPE OF SERVICES

These are turn-key projects to design the new playground layouts, supply materials, deliver and install new exterior commercial playground equipment, including required permitting. The selected company shall be issued a contract for services for this project.

Vendors are required to develop and provide equipment layout plan for the project area utilizing the scale of 1"=10'. Complete three-dimensional drawings or photos of equipment and plan view drawing showing the layout within the provided use zone are required. All design plans/drawings shall be shown in complimentary color families.

One design layout is required, however additional designs are optional. Each vendor can provide 3 different designs maximum for this submittal. Each design should be labeled Option 1, Option 2 and Option 3.

The general dimensions of the area are provided for planning purposes, vendors are responsible for ensuring the accuracy of these measurements and for ensuring that any equipment layout proposed will fit the actual site dimensions.

### Current Conditions

See attached aerial maps that shows project locations and existing surrounding site elements.

### Playground Equipment

The playground equipment chosen shall be durable and designed for outdoor use. This playground equipment selected shall incorporate the latest playground design philosophy and technology addressing the physical and creative needs of children. The playground equipment for Fire Station 91 selected shall be appropriate for ages 2-5 and 5-12, and stressing the importance of durability. The playground equipment for Andy Romano Beachfront Park selected shall be appropriate for ages 5-12. The equipment and area around the equipment shall be accessible to all children and meet all current ADA requirement at a minimum, with ADA inclusive features possible within the funding amount. The playground equipment could be one large unit or multiple pieces for different play experiences.

Equipment shall meet National Playground standards as referenced in the American Society for Testing and Materials (ASTM) document F1487-17; Standard Consumer Safety Performance Specification for Playground Equipment for Public Safety. Evidence of compliance shall be submitted and stamped on equipment as required.

Construction in compliance with ASTM F2373, ADA guidelines for surfacing and ASTM F1292 for Impact Attenuation and F1951 for wheelchair accessibility.

Equipment shall meet National playground standards as referenced in the U.S. Consumer Product Safety Commission's Public Playground Safety Handbook.

All proposed equipment and surfacing shall be IPEMA certified by the Manufacturer.

The equipment shall accommodate a minimum of 30 children, with a minimum of 7 play events.

**The equipment which shall be incorporated in the design, supplied, and installed could include, but not be limited to the following.**

Types of Equipment to Encourage The Play Experience

Auditory, balancing, gathering/social/imaginative, manipulative, climbing, sliding and spinning

Themed playground for each location

Equipment that could be include in the design:

ADA Transfer Platform with Guardrail & Hand Grips Climber

Play panel or interactive element Spinner

Ladder

**Types of Materials for Equipment**

Primary considerations are safety, durability, longevity and low maintenance Stainless Steel bolts, anchors and fasteners

Bridges, walkways and platforms shall be slip resistant

Two coat powder coating process 3.0-5.0 mil thickness minimum Materials that are long lasting

Coastal coating

No wood products for playground equipment

Shade components allowed

**Borders with Accessible Border System**

Supply and install playground borders around the entire perimeter of the play area and include an ADA accessible border system. Borders to be 12" height, made from recycled plastic content including galvanized stakes to secure in place.

**Surfacing**

Surfacing is proposed to be engineered wood fiber and shall be installed as per manufacturer installation recommendations for the Fire Station 91 playground and PIP rubber surface for the Andy Romano Beachfront Park playground.

## Site Area Clean Up

The site shall be kept clean and free of tools, trash, and debris and installation materials on a daily basis. Products may be stored on site during installation with appropriate protective measures and approval by

the Cities Project Manager. If periphery areas are damaged due to implementation than site restoration will be required and restored with like materials at companies cost.

## Removal of Existing Playground Equipment:

City staff will be removing the existing playground equipment prior to the start of this project. The playground company will be responsible to remove the existing mulch on the existing playground.

## Project Budget:

The Fire Station 91 playground is a Facilities Renewal & Replacement funded project and the allocated funds are $185,000 for this project. The Andy Romano Beachfront Park playground is a General Reserve funded project and the allocated funds are $115,000 for this project.

## III. TERM OF AGREEMENT

The contract will be for the duration of this project.

To be considered by the City, proposing firm must:

## IV. MINIMUM QUALIFICATIONS

To be considered by the City, proposing firm must:

**Professional Qualifications:** Any firm or individual experienced and authorized to do business in the State of Florida is invited to submit a qualifications packet. The firm must possess professional service registrations and construction licenses in accordance with applicable statutes, regulations, and rules. The firm must be able to demonstrate financial strength appropriate to the scale of projects to be managed.

**Insurance Requirements:** The firm shall purchase at his own expense and maintain throughout the duration of the contract the types and amounts of insurance in form and from companies satisfactory to the City and shall furnish proof of insurance prior to commencing work. The firm shall indemnify and hold harmless the City and its employees from and against all claims, damages, losses, and expenses including, but not limited to, attorneys' fees arising out of or resulting from work provided that the claim, damages, loss and expense is caused in whole or in part.

## Information to be Submitted:

One (1) original of the complete proposal packet along with one (1) fully complete electronic file in pdf format on either a CD or thumb drive:

## V. PROPOSAL PROCESS

The firm or individual(s) interested in this contract should include a response to each of the following items in their written proposal:

## A – General

1. Letter of interest and cover letter signed by an authorized officer of the firm or company. Include name(s), telephone number(s), and email(s) of the authorized contact person(s) concerning this proposal.
2. RFP response form, completed.
3. Whether or not the firm or individual is a certified Minority Business Enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985.
4. Provide a copy of applicable Florida business license. Provide proof of being registered to do business in the State of Florida.
5. Copy of firm's certificate of insurance.
6. Note: firm or company selected will be required to provide performance and payment bonds for this project.
7. Completed Conflict, Non-Conflict of Interest Statement/Litigation Statement.
8. Completed Drug-Free Workplace Certification.
9. Completed form - Verification of Employment Status Using E-Verify System

## B – Experience

1. Provide a brief introduction narrative letter highlighting the qualifications of the firm including legal nature of organization, number of years in business, pertinent capabilities, and experience in contracting and managing municipal projects.
2. Provide an organizational chart of the firm to include a depiction of subcontractors, if any, proposed for use for accomplishment of the project scope of work. List all subcontractors and/or agents who shall be part of your team on this project, and state what their involvement and specific duties shall be (i.e. installer, manufacturer, etc.).
3. Provide a listing of at least 3 projects and references completed by the firm comparable in nature and costs which demonstrate the firm's ability to perform the required services as described within the RFP. If applicable list examples of projects in the State of Florida and particularly municipal projects. Include the following for each project:
    a. Name and location of the project.
    b. The nature of the firm's responsibility on the project.
    c. Project owner's representative name, address, telephone and e-mail contact information.
    d. Date project was completed or is anticipated to be completed.
    e. Firm's project manager and other key professionals involved on the project.

## C – Proposed Playground Equipment and Configuration

1. Provide the manufacturer's name and model/name of the equipment you are proposing.
2. Vendors are required to develop and provide equipment layout plan for the project area utilizing the scale of 1"=10'. Complete three-dimensional drawings or photos of equipment and plan view drawing showing the layout including the use zones. See scope of work/layout design sections for more requirement details.
3. Does the equipment meet all the most current safety standards and certifications as required in this RFP?
4. Provide the manufacturer's warranty on all components including powder coating/paints & poured in place surfacing.
5. Provide details on the equipment materials.
6. How many people can use this equipment at a given time and how many play events?

7. Does the equipment layout allow space between the components and allow clearance for a wheelchair (ADA accessible)?
8. Provide a cut sheet of all equipment being proposed and include technical specifications, including the plastic borders and engineered wood fiber/coastal coating.

## D – Written Proposal & Project Schedule

1. Please provide a written proposal. Project is within the stated budget. Building permit fees shall be included in written proposal and signed and sealed documents as needed for Building Permit approval and include payment & performance bonds.
2. Provide a project schedule that details equipment manufacturing time and the projected timeframe for installation of all components within this RFP

## VI. PROPOSAL SUBMITTAL

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than 2:00 p.m., May 6, 2025.

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until seven (7) working days prior to the RFP due date. Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart
City of Ormond Beach
22 South Beach Street, Room 102
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

## VII. EVALUATION PROCESS AND CRITERIA

The City of Ormond Beach will conduct an evaluation of all proposals, submitted by the deadline, to determine compliance with proposal requirements and mandatory document submissions. The committee will consist of the Leisure Services Department, Finance Department, and other City Department staff. The committee will evaluate proposals and select the Proposer that meets the best interests of the City, and will make a recommendation of Award of Contract to the City Commission.

**The City reserves the following rights:**

- Modify, extend, or cancel this RFP at any time to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Issue a new RFP with terms and conditions that are the same, similar or substantially different as those set forth in this or a previous RFP in order to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Conduct pre-award discussion and/or pre-award negotiations with any or all responsive and responsible proposer(s) who submit proposals determined to be reasonably acceptable of being selected for award; and, conduct personal interviews or require presentations of any or all proposer(s) prior to selection.

- Request that proposer(s) furnish additional information as the City may reasonably require.

- Accept or reject qualifications or proposals in part or whole, and/or waive any defect or deficiency in any proposal, if in the City's sole judgment, the defect or deficiency is not material in response to this RFP;

- Limit and/or determine the actual contract services to be included in a contract.

- Engage outside experts to assist staff in evaluating the merits and viability of each proposer.

- Obtain information for use in evaluating submittals from any source.

- Verify the information received in the proposal. If a proposer knowingly and willfully submits false information or data, the City of Ormond Beach reserves the right to reject that proposal. If it is determined that an Agreement was awarded as a result of false statements or other data submitted in response to this RFP, the City of Ormond Beach reserves the right to terminate the Agreement.

The City shall be the sole judge of the proposer's qualifications.

**Evaluation Criteria:**

For the purposes of further evaluation, the responsive proposals will be evaluated on, but shall not be limited to, consideration of the following criteria:

Qualifications and Experience (30 points)
References (20 points)
Proposed Playground Equipment and Configuration (30 points)
Written Proposal & Project Schedule (20 points)

The most important evaluation emphasis will be placed upon the experience and past performance
of the firm and the overall qualifications of the firm. Evaluation will also be based upon a creative equipment layout that enhances the play experience for children.

## REGISTRATION REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

**Registration Requirements**

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:
Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

**State Certified/Registered Contractors**

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

## EXHIBIT A
## Risk Management and Insurance Requirements

### A. Payment and Performance Bonds

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as

described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

**ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

**3.** The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

**4.** The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

**5.** The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

**6.** The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

**7.** In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

**8.** In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

**9.** The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the

Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

**10.** The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

### 2. Payment on Behalf of City

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

### 3. Loss Control/Safety

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

### 4. Service Bond

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

### 1. General

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

### 2. Types of Insurance and Limits of Liability

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place

of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

## D. Requirements for Certificates of Insurance

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance

acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

2. New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

3. If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

4. For Commercial General Liability coverage, the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

5. If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

## E. Policies of Insurance

1. Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

3. All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability including

products and completed operations and Automobile Liability policies of insurance and certificates thereof.

# City of Ormond Beach
# Request for Proposals (RFP)
# Andy Romano Beachfront Park and Fire Station 91 Playgrounds
# (RFP No. 2025-37)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Playcore Wisconsin, Inc. dba Gametime
COMPANY NAME

AUTHORIZED SIGNATURE

Rob Dominica
NAME

President/drp
TITLE

05/02/2025
DATE

**City of Ormond Beach**
**Request for Proposals (RFP)**
**Andy Romano Beachfront Park and Fire Station 91 Playgrounds**
**(RFP No. 2025-37)**

# RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| 4/24/2025 | 1 |
| 4/28/2025 | 2 |
| | |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: Playcore Wisconsin, Inc. dba Gametime

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 150 Playcore Drive SE
Ft Payne, AL 35968

PHONE NO.: 407-331-0101 FAX NO.: 407-331-4720

SUBMITTER'S NAME: Rob Dominica
(Typed or Printed in Ink)

TITLE: President/drp

**AUTHORIZED SIGNATURE:** I, _____ hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

***THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[✓] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[✓] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Playcore Wisconsin, Inc. dba Gametime
COMPANY NAME

AUTHORIZED SIGNATURE

Rob Dominica
SIGNER'S NAME (PRINT OR TYPE)

President/drp
TITLE

5/2/2025
DATE

***THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach
# Request for Proposals (RFP)
# Andy Romano Beachfront Park and Fire Station 91 Playgrounds
# (RFP No. 2025-37)

## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Playcore Wisconsin, Inc. dba Gametime
Company Name

Authorized Signature

Rob Dominica
Print Name

President/drp
Title

## AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the President of drp a RA (Title) of Playcore Wisconsin, Inc. dba Gametime (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: May 2, 2025 Signed: _____

Entity: Playcore Wisconsin, Inc. dba Gametime Name: Rob Dominica

Title: President/drp

STATE OF: Florida COUNTY OF: Seminole

The foregoing instrument was acknowledged before me by means of ☑physical presence or ☐online notarization, this 2nd day of May, 2025, by Rob Dominica and who: ☑ is personally known to me; or ☐ has produced _____ as identification.

_____ (seal)

Notary Public, State of Florida at Large:

*Printed Name/Seal of Notary, Commission and Expiration Date:* 07/26/2025

COURTNEY L. CRAWFORD
Commission # HH 158051
Expires July 26, 2025
Bonded Thru Budget Notary Services

My commission expires: 07/26/2025

***This document must be completed and returned with your Submittal***

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Rob Dominica. I am over the age of Twenty-one years old. I am the President of drp a RA (Title) of Playcore Wisconsin, Inc. dba Gametime (Business Name) a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: May 2, 2025

Signed: _____
Print Name: Rob Dominica
Title: President/drp

SUBSCRIBED AND SWORN before me by means of [✓] physical presence or [_] online notarization on the 2nd day of May, 2025 by Rob Dominica as President of drp a RA on behalf of Playcore Wisconsin, Inc. dba Gametime who is personally known to me or who has produced _____ as identification.

(Notary Seal)

COURTNEY L. CRAWFORD
Commission # HH 158051
Expires July 26, 2025
Bonded Thru Budget Notary Services

Notary Public, State of Florida
*Printed name, commission and expiration of commission term*

**This document must be completed and returned with your Submittal**

GameTime
A PLAYCORE company

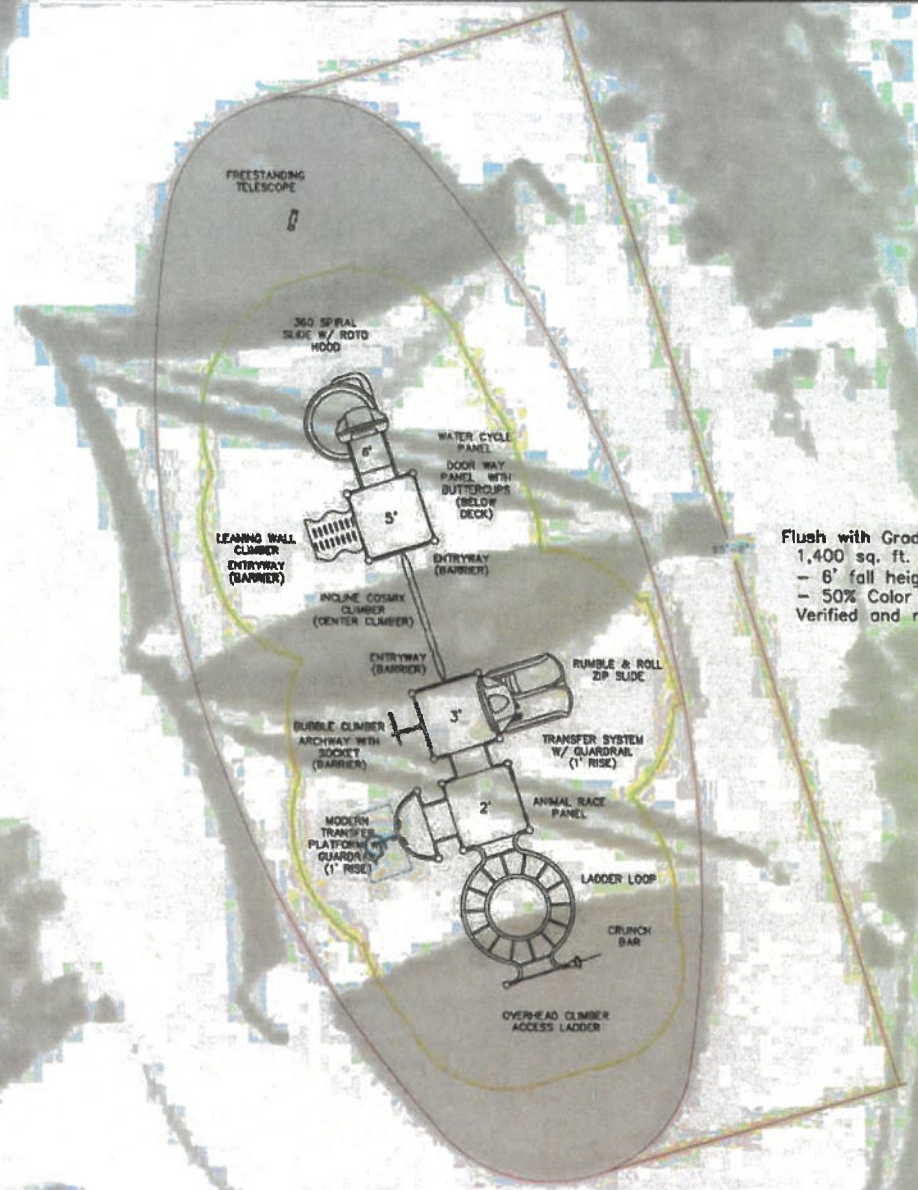
dr.p Dominica
Recreation Products

# Option A – Andy Romano Playground

# OPTION A

PowerScape System with 5" upright posts and large decks. Updated version of same playground on site. New Coastal Coating Package included on all metal components.

| | |
|---|---|
| Child Capacity | 56 |
| Total Play Events | 11 |




Flush with Grade Installation
1,400 sq. ft. GTimpax Poured Rubber Surfacing
- 6' fall height
- 50% Color
Verified and recompacted sub-base

N

0 5' 10' 15' 20'

IPEMA CERTIFIED to ASTM F1487

To verify product certification, visit www.ipema.org.

This space requirements shown in this publication are shown to ASTM Standards. Requirements for other standards may be different.

GameTime
A PLAYCORE Company

ISO 9001 CERTIFIED

150 PlayCore Drive SE
Fort Payne, AL 35967
www.gametime.com

Andy Romano Playground
Ormond Beach, FL

Representative
Dominica Recreation Products

This play equipment is recommended for children ages 5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By: Rob
Date: 4-30-25
Drawing Name: Andy Romano




# Andy Romano Playground

## Ormond Beach, FL

GameTime
www.gametime.com

Dominica Recreation Products
www.playdrp.com




# Andy Romano Playground

## Ormond Beach, FL

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# Andy Romano Playground

## Ormond Beach, FL

drp Dominica Recreation Products
www.playdrp.com

# Option A – Andy Romano Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/02/2025
Quote #
107490-02-02

# Andy Romano Beachfront Park

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | • Site access for construction equipment and staging area must be provided by owner.<br>• Quote includes stone sub base repairs. Allowance for sub-base repair and update included. | | | |
| 1 | Digout | 5-Star Plus - Digout/Sitework of area (per sq. ft.) Removal of existing PIP-<br>*Stone subbase to remain* | | $5,200.00 | $5,200.00 |
| 1 | 6235SP | GameTime - Salt Water Fishing Boat | $24,288.00 | $18,459.73 | $18,459.73 |
| 1 | 7031L | GameTime - Whale | $20,684.00 | $18,201.92 | $18,201.92 |
| 1 | 7029L | GameTime - Whale Tail | $15,755.00 | $13,864.40 | $13,864.40 |
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $13,200.00 | $13,200.00 |
| 1 | Crush | GT-Impax - Crushed & Compacted Stone Sub-Base Recompaction-<br>*includes minimum additional stone* | $1,800.00 | $1,800.00 | $1,800.00 |
| 1400 | Poured-8 | GT-Impax - Poured Rubber Surfacing - 8' fall height-<br>*50% Standard Color - Aromatic Binder - 3.75" Thick with 1/2" EPDM wear course cap - 5-year warranty* | $29.33 | $27.86 | $39,004.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,200.00 | $1,200.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>***Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted. Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $112,430.05 |
| | | | | **Freight** | $2,545.95 |
| | | | | Total | $114,976.00 |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

**Permits are not included in cost, unless specifically listed in pricing.** If permits are required Signed/Sealed drawings are needed and are also not included unless specifically listed in pricing. Any costs for muncipal permits, paid by installer, will be charged back to the owner. Adding permits to any job will increase the length of completion, expect total time to be about **150 days**, after receipt of Site Plan from owner/customer (this is not due to manufacturing but rather the permit process at the muncipality level). It is expected that the **owner will provide approved site plans** of the area for the permit office, and will help and assist in the securing of all required approvals before assembly of equipment can begin. Installer cannot provide site plans. **The permit process can not begin until appropriate and current site plans are provided by owner.** If there are no current surveys or site plans available, the owner may be required to obtain a new survey for the permit. This is the responsibility of the owner to obtain. If additional permitting requirements are needed during the process, those will be added and billed accordingly, i.e. soil density test, formed footers, etc.

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/02/2025
Quote #
107490-02-02

# Andy Romano Beachfront Park

**Payment Terms: Governmental Purchase Order.**
**Purchases in excess of $1,000.00 to be supported by your written purchase order made out to GameTime.**
Net 30 days subject to approval by GameTime Credit Manager. A completed Credit Application and Bank Reference Authorization, must be received with the order. The decision on credit is the sole discretion of GameTime/PlayCore. A 1.5% per month finance charge will be imposed on all past due accounts.
**Multiple Invoices:** Invoices will be generated upon services rendered. When equipment ships it will be invoiced seperately from installation and/or other services. Terms are Net 30 for each individual invoice.
This Quotation is subject to policies in the current GameTime Park and Playground Catalog and the following terms and conditions. Our quotation is based on shipment of all items at one time to a single destination, unless noted, and changes are subject to price adjustment.
Pricing: Firm for 60 days from date of quotation.
Shipment: F.O.B. factory, order shall ship within 120 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of payment.
Taxes: State and local taxes will be added at time of invoicing, if not already included, unless a tax exempt certificate is provided at the time of order entry.
Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

Installation Terms: Shall be by a Certified Installer. The installer is an indepedent installer and not part of PlayCore, GameTime, nor Dominica Recreation Products. If playground equipment, installer will be NPSI and Factory Trained and Certified. Unless otherwise noted, installation is based on a standard installation consistent with GameTime installation sheets and in suitable soil with a sub-base that will allow proper playground installation. Drainage is not part of our scope of work unless otherwise noted. Customer shall be responsible for scheduling and coordination with the installer. Site should be level and allow for unrestricted access of trucks and machinery. Customer shall also provide a staging and construction area. Installer not responsible for sod replacement or damage to access path and staging area. Customer shall be responsible for unknown conditions such as buried utilities, tree stumps, rock, or any concealed materials or conditions that may result in additional labor or material costs. Customer will be billed hourly or per job directly by the installer for any additional costs that were not previously included.

Unitary Surfacing Notes : The installer of the Unitary Surfacing (Poured, Bonded, Turf, Tiles) is not the same installer of the playground equipment. However, your certified equipment installer will coordinate the timing of the unitary surfacing installation, but more than likely they will not be on-site at the time. They will continue to be your contact should you have any questions. Security is needed to protect surfacing at night or after installation as the product set. Normally it is not needed or a concern, however in some areas additional security is needed to prevent vandalism. **Security is not included.** Vandalism will be the responsible of the owner.

**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$114,976.00**

# Andy Romano Beachfront Park RFP 2025-37




1 Inch = 174 ft

GIS data is provided on an "as is" basis. The accuracy or reliability of the data is not guaranteed or warranted in any way. The City of Ormond Beach specifically disclaims any warranty either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular use. The entire risk as to quality and performance of the data is with the end user. In no event will the City, its staff or it's representatives be liable for any direct, indirect, incidental, special, consequential, or other damages, including loss of profit, arising out of the use of this data even if the City has been advised of the possibility of such



# COASTAL PAINT OPTIONS WITH E-COAT

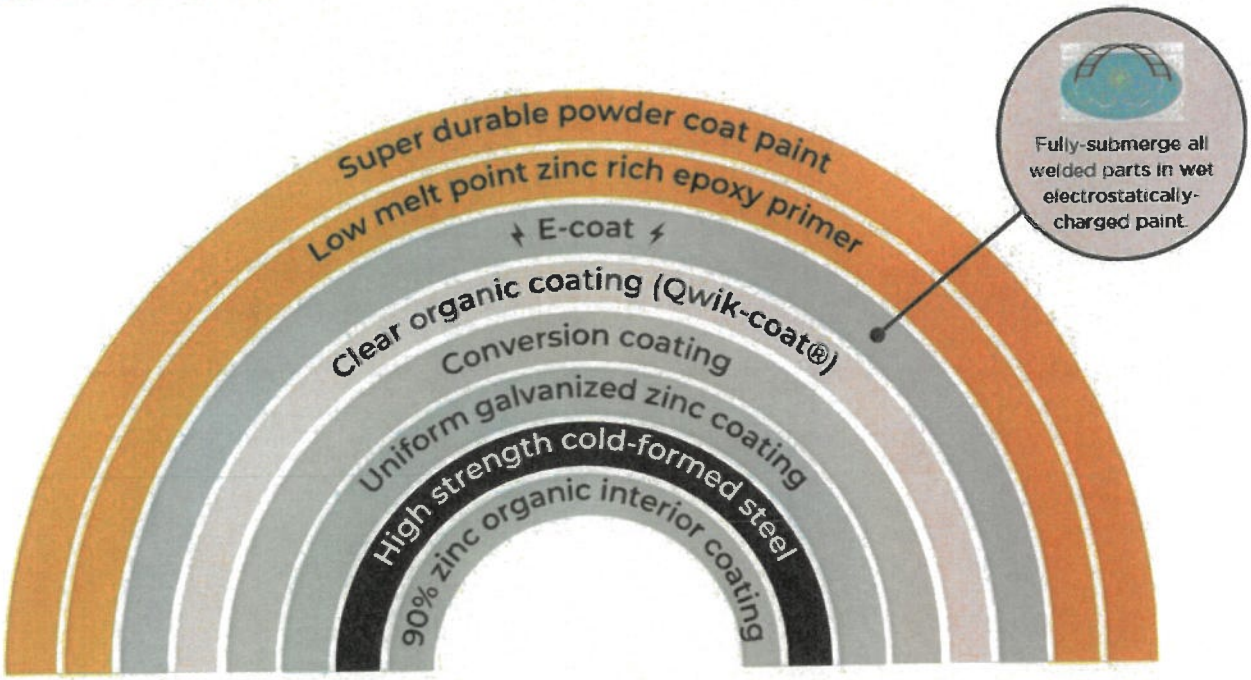
Durable powder coat coverage

## COASTAL PAINT PACKAGE

For coastal environments, GameTime offers an advanced paint process with E-Coat. We fully submerge parts with their weldments in a wet paint solution that is electrostatically charged.

The paint adheres to every part of the surface and provides superior protection against rust and corrosion. Next, we apply an industry-leading low melt point zinc-rich epoxy primer, and we finish the surface with our PCI 4000-certified powder coat paint. Our super durable paint and primer is tested to 3,000 hours, far beyond the industry standard of 1,000 hours of corrosion testing.

GameTime's coastal paint process carries a seven year warranty on labor and all painted parts when installed by a GameTime-certified installer.



# WARRANTY

GameTime offers a comprehensive warranty on all of our products.

For the purpose of this warranty, "lifetime" encompasses no specific term of years, but rather that the Seller warrants to its original customer for as long as the original customer owns the product, and uses the product for its intended purpose, that the product and all its parts will be free from defects in material and manufacturing workmanship.

- **Lifetime limited warranty** on PowerScape®, PrimeTime®, Xscape® & IONiX® and Modern City® uprights.
- **Lifetime limited warranty** on Tru-Loc® connections and upright bolt-through connections.
- **Lifetime limited warranty** on all hardware.
- **Twenty-Year limited warranty** on Timber Décor & Timbers recycled plastic lumber.
- **Fifteen-Year limited warranty** on metal decks, pipes, rungs, rails, loops, braces, and footbucks.
- **Fifteen-Year limited warranty** on rotationally-molded products.
- **Fifteen-Year limited warranty** on VistaRope™ nylon bearings and ring junction pieces.
- **Ten-Year limited warranty** on GTFit®, THRIVE® and Challenge Course posts & bars.
- **Ten-Year limited warranty** on site furnishings against structural failure.
- **Ten-Year limited warranty** on SunBlox products.
- **Ten-Year limited warranty** on fiberglass and DHPL signage.
- **Ten-Year limited warranty** on VistaRope™ WeaveTech™ cables.
- **Five-Year limited warranty** on Tuff Forms® structures, including TuffCrete and PolyShield.
- **Five-Year limited warranty** on nylon-covered cable net climbers and components.
- **Five-Year limited warranty** on GT Symphony Freenotes™ Harmony Park components.
- **Five-Year limited warranty** on Super Seats.
- **Five-Year limited warranty** on premature wear of VistaRope cables.
- **Three-Year limited warranty** on EveryBODY Plays® polyurea coated foam & rubber strips.
- **Three-Year limited warranty** on SaddleMates rubber and "C"-springs.
- **Three-Year limited warranty** on rubber seat and rubber mats for net events.
- **One-Year limited warranty** on Challenge Course timing components.
- **One-Year limited warranty** on all other GameTime products.

TO THE EXTENT PERMITTED BY LAW, THESE WARRANTIES ARE EXPRESSLY IN LIEU OF ANY OTHER IMPLIED OR EXPRESSED WARRANTIES OR REPRESENTATIONS BY ANY PERSON, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS. Warranties do not cover damage caused by vandalism or abuse. Warranty claims must be filed within the applicable warranty period and accompanied by a copy of the original invoice or GameTime invoice number.

GameTime
A PLAYCORE company

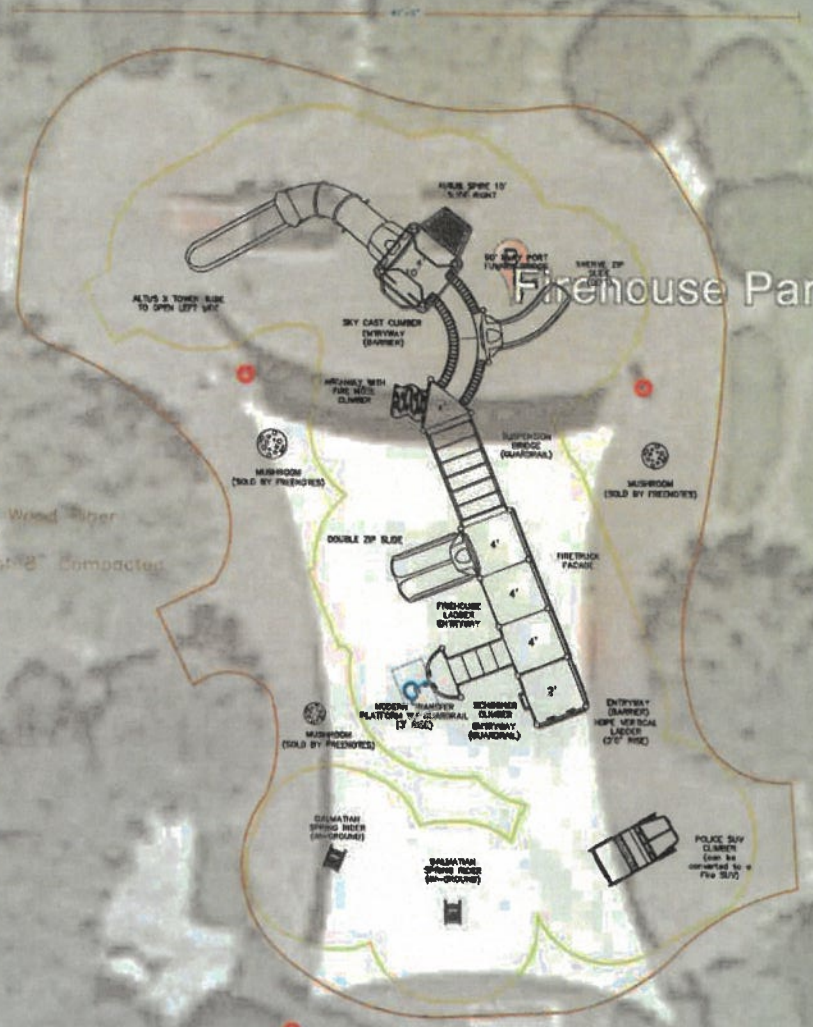
dr.p Dominica
Recreation Products

# Option A – Fire Station 91 Playground

# OPTION A

A large playground with fire truck theming and a high tower outside the shade area. Along with themed freestanding events. (Police car can be a fire car if desired)

| | |
|---|---|
| Child Capacity | 114 |
| Total Play Events | 20 |




IPEMA CERTIFIED to ASTM F1487

GameTime
A PLAYCORE Company

ISO 9001 CERTIFIED

150 PlayCore Drive SE
Fort Payne, AL 35967
www.gametime.com

Fire Staion 91
Ormond Beach, FL

Representative
Dominica Recreation Products

This play equipment is recommended for children ages
2-5 & 5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By:
Rob

Date:
4-30-25

Drawing Name:
Fire 91




# Fire Station 91 Playground

## Ormond Beach, FL

GameTime
www.gametime.com

drp Dominica Recreation Products
www.playdrp.com




GameTime
www.gametime.com

# Fire Station 91 Playground

## Ormond Beach, FL

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www.playdrp.com




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www.playdrp.com




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drp Dominica Recreation Products
www.playdrp.com




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www.gametime.com

# Fire Station 91 Playground

## Ormond Beach, FL

drp Dominica Recreation Products
www.playdrp.com

GameTime
A PLAYCORE company

dr.p Dominica
Recreation Products

# Option A – Fire Station 91 Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/05/2025
Quote #
107490-03-01

# Fire Station 91 Playground

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | • Site access for construction equipment and staging area must be provided by owner.<br>• Existing Wood Fiber will in place. Additional wood fiber will be installed over existing after completion of installation. | | | |
| 1 | INSTALL | 5-Star Plus - Moving existing wood fiber to side during installation | | $3,200.00 | $3,200.00 |
| 1 | RDU | GameTime - Standard PowerScape System Components | $92,912.00 | $69,920.45 | $69,920.45 |
| | | (4) 80000 – 49" Sq Punched Steel Deck | | | |
| | | (1) 80001 – 49"Tri Punched Steel Deck | | | |
| | | (1) 90103 – 2' Schooner Climber | | | |
| | | (3) 90266 – 8' Upright, Alum | | | |
| | | (12) 90268 – 10' Upright, Alum | | | |
| | | (1) 90508 – 4' Double Zip Slide, Std Dk | | | |
| | | (1) 90569 – Suspension Bridge (Guardrail) | | | |
| | | (1) 90653 – 3'-6"/4'-0" Zip Swerve Slide Left | | | |
| | | (1) 91120 – 90° Play Port Bridge | | | |
| | | (2) 91139 – Entryway - Barrier | | | |
| | | (1) 91146 – Entryway - Guardrail | | | |
| | | (1) 91600 – HDPE Vertical Ladder 2'0" | | | |
| | | (1) 91714 – Modern Transfer w/Guardrail 3' Rise | | | |
| | | (1) 91768 – Altus X Tower Tube To Left | | | |
| | | (1) 91808 – Altus Spire 10' - Slide Right | | | |
| | | (1) 91902 – Sky Cast Climber | | | |
| | | (1) G90266 – 8' Upright, Galv | | | |
| | | (1) G90268 – 10' Upright, Galv | | | |
| | | (4) G90273 – 15' Upright, Galv | | | |
| 1 | Custom | GameTime - Custom GameTime Components- | $27,368.00 | $25,725.92 | $25,725.92 |
| | | • Fire Truck Facade<br>• Hose Climber<br>• Firehouse Ladder Entry<br>• Dalmation Spring Animal (2)<br>• Police SUV Climber (can be changed to fire) | | | |

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Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
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05/05/2025
Quote #
107490-03-01

# Fire Station 91 Playground

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| 1 | Coastal | Misc - Coastal Paint Application applied to all Accent Metal Components | | $14,800.00 | $14,800.00 |
| 1 | MUSH-LRG-IG | Freenotes Harmony Park - TL - Large Red Mushroom - (With Inground Mount Kit) | $2,773.00 | $2,495.70 | $2,495.70 |
| 1 | MUSH-MED-IG | Freenotes Harmony Park - TL - Medium Red Mushroom - (With Inground Mount Kit) | $2,659.00 | $2,393.10 | $2,393.10 |
| 1 | MUSH-SML-IG | Freenotes Harmony Park - TL - Small Red Mushroom - (With Inground Mount Kit) | $2,577.00 | $2,319.30 | $2,319.30 |
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $41,200.00 | $41,200.00 |
| 1 | INSTALL | 5-Star Plus - ADA Border Access | | $1,000.00 | $1,000.00 |
| 100 | EWF-Bulk | GT-Impax - Engineered Wood Fiber - Per Cubic Yard-<br>*ADA Compliant - IPEMA Certified - ASTM F1292 & F1951 Compliant*<br>*Installed by a blower truck* | | $55.00 | $5,500.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,350.00 | $1,350.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted. Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.* | | $1,500.00 | $1,500.00 |
| | | | | Sub Total | $171,404.47 |
| | | | | Material Surcharge | $3,787.36 |
| | | | | Freight | $8,313.29 |
| | | | | Total | $183,505.12 |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

**Permits are not included in cost, unless specifically listed in pricing.** If permits are required Signed/Sealed drawings are needed and are also not included unless specifically listed in pricing. Any costs for muncipal permits, paid by installer, will be charged back to the owner. Adding permits to any job will increase the length of completion, expect total time to be about **150 days**, after receipt of Site Plan from owner/customer (this is not due to manufacturing but rather the permit process at the muncipality level). It is expected that the owner will provide approved site plans of the area for the permit office, and will help and assist in the securing of all required approvals before assembly of equipment can begin. Installer cannot provide site plans. **The permit process can not begin until appropriate and current site plans are provided by owner.** If there are no current surveys or site plans available, the owner may be required to obtain a new survey for the permit. This is the responsibility of the owner to obtain. If additional permitting requirements are needed during the process, those will be added and billed accordingly, i.e. soil density test, formed footers, etc.

GameTime
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P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
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05/05/2025
Quote #
107490-03-01

# Fire Station 91 Playground

**Payment Terms: Governmental Purchase Order.**
**Purchases in excess of $1,000.00 to be supported by your written purchase order made out to GameTime.**
Net 30 days subject to approval by GameTime Credit Manager. A completed Credit Application and Bank Reference Authorization, must be received with the order. The decision on credit is the sole discretion of GameTime/PlayCore. A 1.5% per month finance charge will be imposed on all past due accounts.
**Multiple Invoices:** Invoices will be generated upon services rendered. When equipment ships it will be invoiced seperately from installation and/or other services. Terms are Net 30 for each individual invoice.
This Quotation is subject to policies in the current GameTime Park and Playground Catalog and the following terms and conditions. Our quotation is based on shipment of all items at one time to a single destination, unless noted, and changes are subject to price adjustment.
Pricing: Firm for 60 days from date of quotation.
Shipment: F.O.B. factory, order shall ship within 120 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of payment.
Taxes: State and local taxes will be added at time of invoicing, if not already included, unless a tax exempt certificate is provided at the time of order entry.
Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

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**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$183,505.12**

# Fire Station 91 RFP 2025-37




1 inch = 104 ft

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# COASTAL PAINT OPTIONS WITH E-COAT

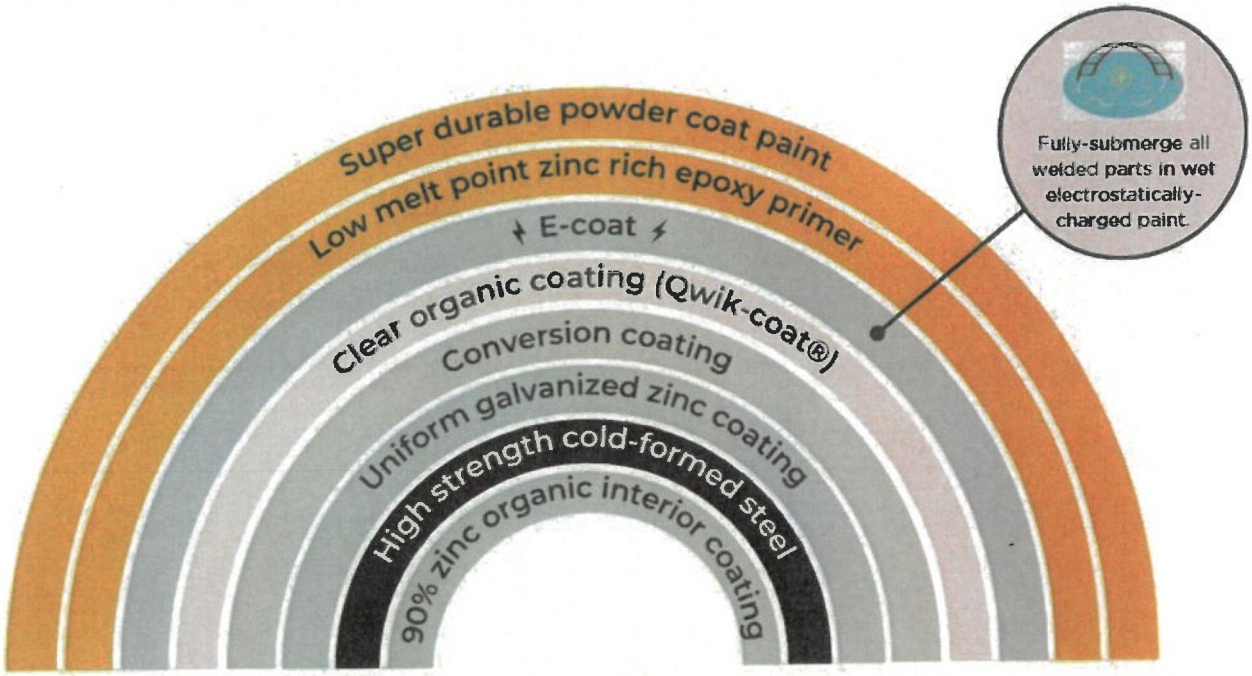
Durable powder coat coverage

## COASTAL PAINT PACKAGE

For coastal environments, GameTime offers an advanced paint process with E-Coat. We fully submerge parts with their weldments in a wet paint solution that is electrostatically charged.

The paint adheres to every part of the surface and provides superior protection against rust and corrosion. Next, we apply an industry-leading low melt point zinc-rich epoxy primer, and we finish the surface with our PCI 4000-certified powder coat paint. Our super durable paint and primer is tested to 3,000 hours, far beyond the industry standard of 1,000 hours of corrosion testing.

GameTime's coastal paint process carries a seven year warranty on labor and all painted parts when installed by a GameTime-certified installer.



# WARRANTY

GameTime offers a comprehensive warranty on all of our products.

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- **Ten-Year limited warranty** on fiberglass and DHPL signage.
- **Ten-Year limited warranty** on VistaRope™ WeaveTech™ cables.
- **Five-Year limited warranty** on Tuff Forms® structures, including TuffCrete and PolyShield.
- **Five-Year limited warranty** on nylon-covered cable net climbers and components.
- **Five-Year limited warranty** on GT Symphony Freenotes™ Harmony Park components.
- **Five-Year limited warranty** on Super Seats.
- **Five-Year limited warranty** on premature wear of VistaRope cables.
- **Three-Year limited warranty** on EveryBODY Plays® polyurea coated foam & rubber strips.
- **Three-Year limited warranty** on SaddleMates rubber and "C"-springs.
- **Three-Year limited warranty** on rubber seat and rubber mats for net events.
- **One-Year limited warranty** on Challenge Course timing components.
- **One-Year limited warranty** on all other GameTime products.

TO THE EXTENT PERMITTED BY LAW, THESE WARRANTIES ARE EXPRESSLY IN LIEU OF ANY OTHER IMPLIED OR EXPRESSED WARRANTIES OR REPRESENTATIONS BY ANY PERSON, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS. Warranties do not cover damage caused by vandalism or abuse. Warranty claims must be filed within the applicable warranty period and accompanied by a copy of the original invoice or GameTime invoice number.

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: Andy Romano Beachfront Park and Fire Station 91 Playground

RFP NUMBER:**2025-37**

RFP OPENING DATE & TIME: **May 6, 2025 at 2:00 pm**

RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**

PRE-PROPOSAL MEETING DATE & TIME: **None**

PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: Playcore Wisconsin, Inc. dba Gametime

PROPOSER'S MAILING ADDRESS: 150 Playcore Drive SE

CITY-STATE-ZIP: Ft Payne, AL 35968

F.E.I.N.: 39-1720480

PHONE NUMBER: 407-331-0101

EMAIL: Robd@gametime.com

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

Rob Dominica
NAME (TYPED)

President/drp
TITLE

05/02/2025
DATED

# A - General

GameTime
A PLAYCORE Company

drp Dominica
Recreation Products

# Letter of Interest

## Dominica Recreation Products/GameTime

Dominica Recreation Products has always been multi-tiered, and team-oriented, working alongside our clients to bring the vision, specifications, and scope of each project to fruition.

For over 53 years, throughout Georgia and Florida, we've served over 54,000 orders efficiently, professionally, and completely. On average, we manage over 500 projects/clients in real-time with six local Territory Managers, three dedicated installation teams, three in-house project managers, a bid specialist, two exclusive customer service professionals, and other support staff throughout Dominica Recreation Products and GameTime.

Our Territory Manager, Steve Larson, is local to your project. He visits the site multiple times to take lots of photos and precise measurements. He's there to communicate with you locally and respond quickly when needed.

Those pictures and measurements, along with the vision and scope of a bid such as this one, are communicated to our senior project manager, who will design a playground according to your specifications, budget, space, access, vision, site conditions, surfacing, installation, permits, drawings and so on.

After that, a top-view drawing is created to ensure everything fits properly and safely with compliant access. From there, the bid proposal is created, showing all equipment, discounts, freight, installation, tax, etc. Once that is completed, a 3-D color rendering is created to show what the completed project will look like from multiple angles.

Once the project is ordered, GameTime manufactures the system as specified and ships it to the site, where our exclusive certified installer, The Copponex Group will complete the installation.

For the life of the project, many years down the road, we will be with you in full communication, access, and responsiveness.

We are excited to work with the City of Ormond Beach and complete the Andy Romano Beachfront Park and Fire Station 91 Playground project.

Thank you,

Rob Dominica
President/drp
robd@gametime.com | 407-331-0101

**City of Ormond Beach**
**Request for Proposals (RFP)**
**Andy Romano Beachfront Park and Fire Station 91 Playgrounds**
**(RFP No. 2025-37)**

# RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| 4/24/2025 | 1 |
| 4/28/2025 | 2 |
| | |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: Playcore Wisconsin, Inc. dba Gametime

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: 150 Playcore Drive SE
Ft Payne, AL 35968

PHONE NO.: 407-331-0101 FAX NO.: 407-331-4720

SUBMITTER'S NAME: Rob Dominica
(Typed or Printed in Ink)

TITLE: President/drp

**AUTHORIZED SIGNATURE**: I, _____ hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

GameTime
A PLAYCORE Company

drp Dominica
Recreation Products

# Business Information

**Business Address:**
Playcore Wisconsin, Inc. dba Gametime
150 Playcore Drive SE
Fort Payne, AL 35968

**Remit to Address:**
Playcore Wisconsin, Inc. dba Gametime
P.O. Box 680121
Fort Payne, AL 35968

**Operates as:** Corporation

**Incorporated and licensed to operate in the:** States of Florida and Georgia

**Date Business Established:** 1929

**Website:** Gametime.com

**President/drp:** Rob Dominica
**Phone:** 407-331-0101
**Fax:** 407-331-4720
**Email:** robd@gametime.com

**Territory Manager:** Steve Larson
**Phone:** 904-325-4349
**Email:** stevel@gametime.com

**Contracts:** Coutney Crawford
**Phone:** 407-331-0101
**Email:** courtney.crawford@gametime.com

**Purchase Orders:** Jennifer Cassidy
**Phone:** 407-331-0101
**Email:** jenniferc@gametime.com

**Credit/Payments:** Christa Hilley
**Phone:** 256-997-5436
**Email:** christa.hilley@playcore.com

**Operates as:** Corporation

**Not an MBE**

**Incorporated and licensed to operate in the:** States of Florida and Georgia

**Date Business Established:** 1929

**Previous Default:** Never defaulted on a bid or denied a bid due to non-responsibility to perform.

**The Anticipated Start Date:** Approximately 8 weeks after receipt of the award.

**Signature of authorized company representative:**

Rob Dominica
President/drp
robd@gametime.com | 407-331-010

# STATE OF ALABAMA

CONTROL NO.
**35095**

**County**
**DEKALB**

LICENSE NO.
0420

ACCOUNT NO.
551 2025

12:02 pm jsummerford

| DATE ISSUED | | |
|---|---|---|
| 10 | 16 | 24 |
| MO | DAY | YR |

| LICENSE YEAR |
|---|
| **2024 - 2025** |

ISSUED TO:

**GAMETIME**
**PLAYCORE INC.**
**P.O. BOX 680121**
**FORT PAYNE AL 35968**

| LICENSE TYPE | |
|---|---|
| STORE LICENSE | |
| CHAIN STORE LICENSE | |
| OCCUPATIONAL LICENSE | X |

BUSINESS LOCATION:

**GAMETIME**
**150 PLAYCORE DR SE**
**FORT PAYNE AL 35967**

**EXPIRES**
**September 30, 2025**

| SECTION | BUSINESS TYPE | LICENSE AMOUNT | FEE | PENALTY | CITATION | INTEREST | TOTAL |
|---|---|---|---|---|---|---|---|
| 084-001 | contractor over 200,000 | $375.00 | $1.00 | | | | $376.00 |
| 087-001 | manufacturing 1mil & over | $300.00 | $1.00 | | | | $301.00 |

| | |
|---|---|
| TOTAL | $677.00 |
| OTHER FEE | $0.00 |
| TOT WITH OTHER FEE | $677.00 |

TRANSFER OF LICENSE
Evidence having been adduced before me that a bona fide sale of the business by this certificate has been made by licensee, this license is transferred to said purchaser.

**Kathleen D. Baxter**
State Comptroller

Name of Purchaser

**Vernon Barnett**
Commissioner of Revenue

Issuing Authority

**Ronnie Osborn, Probate Judge**
Issuing Authority

## RENEW LICENSE
## OCTOBER 1st THROUGH OCTOBER 31st






# Detail by Entity Name

Foreign Profit Corporation
PLAYCORE WISCONSIN, INC.

**Filing Information**

| | |
|---|---|
| **Document Number** | F07000002689 |
| **FEI/EIN Number** | 39-1720480 |
| **Date Filed** | 05/21/2007 |
| **State** | WI |
| **Status** | ACTIVE |
| **Last Event** | REINSTATEMENT |
| **Event Date Filed** | 12/15/2017 |

**Principal Address**

544 Chesnut Street
CHATTANOOGA, TN 37402

Changed: 12/15/2017

**Mailing Address**

544 Chestnut Street
CHATTANOOGA, TN 37402

Changed: 12/15/2017

**Registered Agent Name & Address**

C T CORPORATION SYSTEM
1200 SOUTH PINE ISLAND ROAD
PLANTATION, FL 33324

Name Changed: 01/11/2019

Address Changed: 01/11/2019

**Officer/Director Detail**

**Name & Address**

Title CEO, President

Roger, Posacki
544 Chestnut Street
CHATTANOOGA, TN 37402

Title CFO, Secretary, Treasurer

RUEGGER, RICHARD E
544 Chestnut Street
CHATTANOOGA, TN 37402

**Annual Reports**

| Report Year | Filed Date |
|---|---|
| 2023 | 04/27/2023 |
| 2024 | 04/30/2024 |
| 2025 | 04/29/2025 |

**Document Images**

| | |
|---|---|
| 04/29/2025 -- ANNUAL REPORT | View image in PDF format |
| 04/30/2024 -- ANNUAL REPORT | View image in PDF format |
| 04/27/2023 -- ANNUAL REPORT | View image in PDF format |
| 04/05/2022 -- ANNUAL REPORT | View image in PDF format |
| 04/14/2021 -- ANNUAL REPORT | View image in PDF format |
| 05/04/2020 -- ANNUAL REPORT | View image in PDF format |
| 06/13/2019 -- ANNUAL REPORT | View image in PDF format |
| 01/11/2019 -- Reg. Agent Change | View image in PDF format |
| 04/12/2018 -- ANNUAL REPORT | View image in PDF format |
| 12/15/2017 -- REINSTATEMENT | View image in PDF format |
| 05/18/2016 -- ANNUAL REPORT | View image in PDF format |
| 04/30/2015 -- ANNUAL REPORT | View image in PDF format |
| 01/09/2014 -- ANNUAL REPORT | View image in PDF format |
| 03/27/2013 -- AMENDED ANNUAL REPORT | View image in PDF format |
| 02/04/2013 -- ANNUAL REPORT | View image in PDF format |
| 10/02/2012 -- Reg. Agent Change | View image in PDF format |
| 02/10/2012 -- ANNUAL REPORT | View image in PDF format |
| 04/12/2011 -- ANNUAL REPORT | View image in PDF format |
| 01/07/2010 -- ANNUAL REPORT | View image in PDF format |
| 06/23/2009 -- ANNUAL REPORT | View image in PDF format |
| 06/16/2008 -- ANNUAL REPORT | View image in PDF format |
| 05/21/2007 -- Foreign Profit | View image in PDF format |

Form **W-9**
(Rev. March 2024)
Department of the Treasury
Internal Revenue Service

# Request for Taxpayer Identification Number and Certification

**Go to *www.irs.gov/FormW9* for instructions and the latest information.**

**Give form to the requester. Do not send to the IRS.**

**Before you begin.** For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See *Specific Instructions* on page 3.

1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)

PlayCore Wisconsin, Inc.

2 Business name/disregarded entity name, if different from above.

DBA GameTime

3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only **one** of the following seven boxes.

☐ Individual/sole proprietor ☑ C corporation ☐ S corporation ☐ Partnership ☐ Trust/estate

☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____

**Note:** Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) _____

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) 5

Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) N/A

*(Applies to accounts maintained outside the United States.)*

3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions ☐

5 Address (number, street, and apt. or suite no.). See instructions.

150 PlayCore Drive S.E.

Requester's name and address (optional)

6 City, state, and ZIP code

Fort Payne, AL 35967

7 List account number(s) here (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

**Note:** If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

**Social security number**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | – | | | – | | | | |

**or**

**Employer identification number**

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | 9 | – | 1 | 7 | 2 | 0 | 4 | 8 | 0 |

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

**Sign Here** Signature of U.S. person  Date **January 6, 2025**

# General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9*.

## What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 08/02/2024

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

**PRODUCER**
MARSH USA, LLC.
Two Alliance Center
3560 Lenox Road, Suite 2400
Atlanta, GA 30326
Attn: Atlanta.CertRequest@marsh.com / Fax: 212-948-4321
CN102326389-CAS-GAUWX-23-24

**CONTACT NAME:** Justin Llizo
**PHONE (A/C, No, Ext):** (202) 258-5895 **FAX (A/C, No):**
**E-MAIL ADDRESS:** Justin.Llizo@marsh.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Evanston Insurance Company | 35378 |
| INSURER B : Continental Casualty Company | 20443 |
| INSURER C : American Casualty Company Of Reading, Pa | 20427 |
| INSURER D : Transportation Insurance Co | 20494 |
| INSURER E : National Union Fire Ins Co. of Pittsburgh PA | 19445 |
| INSURER F : The Continental Insurance Company | 35289 |

**INSURED**
GameTime
A Division of PlayCore WI, Inc.
150 PlayCore Drive SE
Fort Payne, AL 35967

**COVERAGES** **CERTIFICATE NUMBER:** ATL-004720415-41 **REVISION NUMBER:** 16

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | | |
|---|---|---|---|---|---|---|---|---|---|
| A | X **COMMERCIAL GENERAL LIABILITY**<br>CLAIMS-MADE [X] OCCUR<br>X SIR $250,000 Per Occ.<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>POLICY [X] PRO-JECT [ ] LOC<br>OTHER: | | | MKLV2PBC002287 | 08/01/2024 | 08/01/2025 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG<br>POLICY AGGREGATE | $<br>$<br>$<br>$<br>$<br>$<br>$ | 2,000,000<br>100,000<br>10,000<br>2,000,000<br>4,000,000<br>4,000,000<br>10,000,000 |
| B | **AUTOMOBILE LIABILITY**<br>X ANY AUTO<br>OWNED AUTOS ONLY<br>HIRED AUTOS ONLY<br>SCHEDULED AUTOS<br>NON-OWNED AUTOS ONLY | | | BUA 7039895527 | 08/01/2024 | 08/01/2025 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)<br>Comp./Coll. Ded.: $1,000 | $<br>$<br>$<br>$<br>$ | 1,000,000 |
| F | X **UMBRELLA LIAB** X OCCUR<br>**EXCESS LIAB** CLAIMS-MADE<br>DED X RETENTION $ 0 | | | 7039984806<br>RETENTION Umb Catastrophe $25,000 | 08/01/2024 | 08/01/2025 | EACH OCCURRENCE<br>AGGREGATE | $<br>$<br>$ | 10,000,000<br>10,000,000 |
| C<br>C<br>D<br>C | **WORKERS COMPENSATION AND EMPLOYERS' LIABILITY**<br>ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** Y/N [N]<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | WC 7 39895530<br>WC 7 39895544<br>WC 7 39918871<br>WC 7 39929062 | 08/01/2024<br>08/01/2024<br>08/01/2024<br>08/01/2024 | 08/01/2025<br>08/01/2025<br>08/01/2025<br>08/01/2025 | X PER STATUTE OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | $<br>$<br>$ | 1,000,000<br>1,000,000<br>1,000,000 |
| E | Excess Umbrella | | | 84772119 | 08/01/2024 | 08/01/2025 | Each Occurrence<br>Aggregate | | 15,000,000<br>15,000,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**
For Information Only

**CERTIFICATE HOLDER**

GameTime
A Division of PlayCore Wisconsin, Inc.
150 PlayCore Drive SE
Fort Payne, AL 35967

**CANCELLATION**

**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.**

**AUTHORIZED REPRESENTATIVE**
**of Marsh USA LLC**

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AGENCY CUSTOMER ID: CN102326389
LOC #: Atlanta

# ADDITIONAL REMARKS SCHEDULE



| AGENCY | NAMED INSURED |
|---|---|
| MARSH USA, LLC. | GameTime<br>A Division of PlayCore WI, Inc.<br>150 PlayCore Drive SE<br>Fort Payne, AL 35967 |
| POLICY NUMBER | |
| CARRIER / NAIC CODE | EFFECTIVE DATE: |

**ADDITIONAL REMARKS**

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance

Workers' Compensation (Continued):

Carrier: Transportation Insurance Company
Policy Number: WC 7039918885
Dates: 08/01/2024 - 08/01/2025

WC 7 39895530 - AL,CO,FL,GA,ID,IL,IN,KS,KY,MA,ME,MD,MI,MN,MO,MT,NV,NY,NC,OK,PA,SC,TN,TX,UT,VA
WC 7 39895544 - CA
WC 7 39918871 - AZ, OR, WI
WC 7039918885- OH, ND, WY, WA


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***THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[✓] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[✓] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Playcore Wisconsin, Inc. dba Gametime

COMPANY NAME

AUTHORIZED SIGNATURE

Rob Dominica

SIGNER'S NAME (PRINT OR TYPE)

President/drp

TITLE

5/2/2025

DATE

***THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach
# Request for Proposals (RFP)
# Andy Romano Beachfront Park and Fire Station 91 Playgrounds
# (RFP No. 2025-37)
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Playcore Wisconsin, Inc. dba Gametime
Company Name

Authorized Signature
Rob Dominica
Print Name
President/drp
Title

# City of Ormond Beach
# Request for Proposals (RFP)
# Andy Romano Beachfront Park and Fire Station 91 Playgrounds
# (RFP No. 2025-37)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Playcore Wisconsin, Inc. dba Gametime
COMPANY NAME

AUTHORIZED SIGNATURE

Rob Dominica
NAME

President/drp
TITLE

05/02/2025
DATE

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the President of drp a RA (Title) of Playcore Wisconsin, Inc. dba Gametime (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: May 2, 2025 Signed: _____

Entity: Playcore Wisconsin, Inc. dba Gametime Name: Rob Dominica

Title: President/drp

STATE OF: Florida COUNTY OF: Seminole

The foregoing instrument was acknowledged before me by means of ☑physical presence or ☐online notarization, this 2nd day of May, 2025, by Rob Dominica and who: ☑ Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of Florida at Large: _____ (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:* 07/26/2025

My commission expires: 07/26/2025

COURTNEY L. CRAWFORD
Commission # HH 158051
Expires July 26, 2025
Bonded Thru BudgetNotary Services

***This document must be completed and returned with your Submittal***

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Rob Dominica. I am over the age of Twenty-one years old. I am the President of drp a RA (Title) of Playcore Wisconsin, Inc. dba Gametime (Business Name) a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: May 2, 2025

Signed: _____
Print Name: Rob Dominica
Title: President/drp

SUBSCRIBED AND SWORN before me by means of [☑] physical presence or [_] online notarization on the 2nd day of May, 2025 by Rob Dominica as President of drp a RA on behalf of Playcore Wisconsin, Inc. dba Gametime who is personally known to me or who has produced _____ as identification.

(Notary Seal)

COURTNEY L. CRAWFORD
Commission # HH 158051
Expires July 26, 2025
Bonded Thru Budget Notary Services

Notary Public, State of Florida
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

# B - Experience

GameTime Division
PlayCore Wisconsin, Inc.
150 PlayCore Drive SE
Fort Payne, Alabama 35967
Telephone: 256/845-5610
Facsimile: 256/845-9361
Website: http://www.gametime.com/

A PLAYCORE Company

## QUALIFICATION STATEMENT FOR FURNISHING PLAYGROUND AND ANCILLARY EQUIPMENT, SAFETY SURFACING, & INSTALLATION SERVICES

The GameTime Division of PlayCore Wisconsin, Inc., in collaboration with your local GameTime regional sales representative agency, seeks to prequalify, first as a manufacturer and vendor of park and playground equipment, and secondly as a first-tier subcontractor to furnish and install safety surfacing. Additionally, we are positioned to provide installation services through our network of factory-trained and certified installers. As this submittal attests, GameTime is fully qualified to provide the necessary equipment and services to fulfill the requirements of the most demanding project.

GameTime has been manufacturing commercial playground apparatus continuously since 1929. The GameTime Division is a vertically integrated company with extensive design, manufacturing, distribution, and installation capabilities. With 400,000 sq. ft. under the roof of an 81-acre facility devoted solely to the manufacture of playground equipment, GameTime is well equipped to handle orders of any size. Seasonal weekly production can exceed $5,000,000. Daily inventory often exceeds $6,000,000. GameTime does all metal fabrication, rotationally molded plastic, PVC coating, and powder coating "in-house." Once an order is entered, GameTime delivers equipment to its customers within 21 to 30 days.

GameTime currently employs 434 people to design and manufacture commercial playground and recreation equipment. The staff includes five industrial designers, four product managers, three structural engineers, a landscape architect, and eight CAD operators in the product development, design, and processing groups. The GameTime office staff total 112. Additionally, several consultants collaborate in key areas. GameTime products are distributed in the United States by a network of 13 domestic independent sales organizations employing 130 sales and 98 support personnel. Seventeen international distributors market GameTime products worldwide.

GameTime conducts "GT College" annually and holds seminars throughout the year to disseminate the latest in product improvements and new design directions, computer technology, safety compliance, risk management, installation techniques, ADA requirements, and related topics. Staff members are CPSI-certified playground safety inspectors. GameTime provides local on-site playground design services utilizing laptop computers with exclusive GTCAD programing; furnishes CPSI safety audits; equipment selection consultations; safety surfacing materials; and installation by "factory-certified" installers for complete "turnkey" packages. On average, GameTime sales agencies have been serving customers for 32 years.

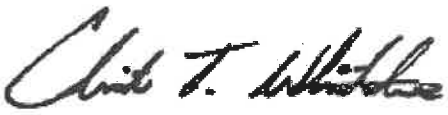
Originally founded in Michigan, GameTime division headquarters and manufacturing relocated to Fort Payne, Alabama U.S.A. in 1979. In March of 1997, PlayCore Wisconsin, Inc., a wholly owned subsidiary of PlayCore, Inc. (AMEX: PCO), acquired GameTime, Inc. Chartwell Investments acquired all issued and outstanding shares of PlayCore stock in April 2000, and the company became privately held. Irving Place Capital (formerly Bear Stearns Merchant Banking), together with the company management, purchased PlayCore in February 2007. On May 30, 2014, PlayCore was acquired by Sentinel Capital Partners, a New York middle-market private equity firm which subsequently sold the company to Court Square Capital Partners https://www.courtsquare.com/. PlayCore product sales for 2025 are expected to exceed $1,000,000,000.

PlayCore is a leading designer, manufacturer, and marketer of a broad range of commercial playground and park equipment, safety surfacing, site amenities, fitness, and related products. PlayCore currently operates in seven distribution locations, four core manufacturing facilities; and ten specialized manufacturing sites. The PlayCore Federal Identification Number is 39-1720480; the DUNS Number is 006639710; and the CAGE Code is 84308.

We submit this as verification that GameTime is financially sound, experienced, and well positioned to provide a full-solution, total turnkey package for playground equipment and related services from design to final inspection. As a privately held company, Court Square Capital Partners refrains from the distribution of financial data on segments of its investment portfolio that may be subject to public disclosure. Should further financial particulars on PlayCore be necessary, kindly contact Scott Hardin, Vice President of Finance and Accounting, 423/648-5890, scott.hardin@playcore.com.

We certify the information submitted herein is true and correct.

GAMETIME
Clint Whiteside



Director of Sales Administration

PlayCore Wisconsin, Inc., d/b/a GameTime
150 PlayCore Drive, SE
Fort Payne, Alabama 35967
Direct telephone: 423/648-5891
Direct facsimile: 423/648-5903
Website: http://www.gametime.com

A PLAYCORE Company

## MANAGEMENT TEAM QUALIFICATIONS

**Territory Sales Manager – Steve Larson**. Steve serves 12 counties throughout North/East Florida for Dominica Recreation Products/GameTime. With an in-depth, consultative approach, Steve works directly with each project contact and conveys the vision, requirements, budget, and specifications to our project managers to create a design that is not only comprehensive but exciting.

**Project Manager** – Rob Dominica. President DRP-Registered Authorized Officer for all GameTime contract sales in Florida, Rob Dominica. Rob has been managing projects since 1995. Member of ASTM Committee on Public Playground Equipment and an NPSI certification holder. He will design and ensure that all the playgrounds are ADA-compliant and that the design is done with the City's wishes and requirements in mind. He makes sure that the proper equipment is ordered, and all drawings are complete and ready to submit for permitting.

**Contract Administrator** - Courtney Crawford. Courtney will help with all contract requirements including Certificates of Insurance

**Permit Coordinator** - Sarah Catrillo. Sarah works on all permit applications and the NOC. Being in contact with the city on any forms required for permits. Helping to coordinate from sales to installation.

**Supervisor of Installation** - Greg Copponex. Greg has supervised the installation of over 10,000 playgrounds in Florida and Georgia over the past 15 years. Copponex Group is the certified GameTime installer for Florida and Georgia. Greg's crews are licensed, certified, and badged in the State of Florida and Georgia, and have been installing playgrounds for 10-plus years. NPSI Certified.

# REFERENCES

**REFERENCE ONE**
Company Name: City of Vero Beach
Address: 1053 20th Place
City, State & Zip Code: Vero Beach, FL 32960
Contact Person: Patty Howard – Assistant Recreation Director
Telephone: 772-978-4500
Email Address: phoward@covb.org
Dates of Service: 07/01/2020 – 09/28/2020
Project Name: Troy Moody Park
Type of Service: Playground, Shade, and Surfacing Design and Installation.

**REFERENCE TWO**
Company Name: Seminole County Public Schools
Address: 400 E. Lake Mary Boulevard
City, State & Zip Code: Sanford, FL 32773
Contact Person: Maureen Scanlam – Specialist Supervisor
Telephone: 407-320-0192
Email Address: scanlamz@scps.k12.fl.us
Dates of Service: 2021 – Present ongoing contract
Project Name: Various Seminole County Public Schools
Type of Service: Design, Installation, and Replacement Parts for Playgrounds, Shades, and Surfacing.

**REFERENCE THREE**
Company Name: Smyrna Beach Parks and Recreation
Address: 201 North Myrtle Avenue
City, State & Zip Code: New Smyrna Beach, FL 32168
Contact Person: David Ray – Maintenance Operations Director
Telephone: 386-424-2202
Email Address: dray@cityofnsb.com
Dates of Service: 9/2019 – 11/2019
Project Name: Petis Park Playground
Type of Service: Playground, Shade, and Surfacing Design and Installation.

# REFERENCES

**REFERENCE FOUR**
Company Name: Orange County Florida Parks & Recreation
Address: 4801 West Colonial Drive
City, State & Zip Code: Orlando, FL 32808
Contact Person: Mike Statham – Parks & Recreation Development Supervisor
Telephone: 407-836-6261
Email Address: Michael.statham@ocfl.net
Dates of Service: 10/2023 – 1/2024
Project Name: Rose Park
Type of Service: Design, Installation, and Replacement Parts for Playgrounds, Shades, and Surfacing.

**REFERENCE FIVE**
Company Name: Cobb County Parks & Recreation
Address: 1792 County Services Pkwy SW
City, State & Zip Code: Marietta, GA 30008
Contact Person: Jody Bowman
Telephone: 470-786-0004
Email Address: jody.bowman@cobbcounty.org
Dates of Service: 8/2019 – 11/2019
Project Name: Windy Hill Community Center
Type of Service: Design, Installation, and Replacement Parts for Playgrounds, Shades, and Surfacing.

# COMPLIANCE

Industry standards set a minimum level that playground manufacturers must meet. We meet or exceed those standards, because we understand that the ultimate playground offers peace of mind, as well as playful experiences.

## AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

Several key people at GameTime, including our Manager of Compliance and Standards, serve on the ASTM committee that sets the standards for the entire playground industry. GameTime products conform to that standard, ASTM F1487- 11, the Standard Consumer Safety Performance Specification for Playground Equipment for Public Use.

## CPSC

The Consumer Product Safety Commission is an independent agency within the United States Federal Government with the authority to inform the public of current product safety performance information and recommended practices. The CPSC first published their guidelines for public playgrounds in 1981 and have updated their publication since then. The current CPSC Handbook for Public Playground Safety, publication #325, is an excellent guide for owners and operators of public play environments.

## IPEMA EQUIPMENT CERTIFICATION

GameTime is one of the founding members of IPEMA, and several of our people serve as board members, committee members and chairpersons of the association. In the interest of public playground safety, IPEMA provides a 3rd party certification, to validate conformance to established standards. Our use of the IPEMA seal is your assurance that GameTime has received written validation from an independent lab that the products associated with the seal conform with the ASTM standard, as well as the Canadian CSA standard CAN Z-614. A list of our validated products may be found on the IPEMA website, www. ipema.org.

## IPEMA SURFACING CERTIFICATION

GameTime's GT Impax product provides you with the assurance that our surfacing has been certified as compliant to the appropriate ASTM standard. In the interest of public playground safety, IPEMA provides a third party certification to validate a manufacturer's conformance to the ASTM F-1292-99 Standard Specification for Impact Attenuation of Surface Systems Under And Around Playground Equipment. The use of the IPEMA Certification Seal signifies that the manufacturer has received written validation from the independent laboratory that the product associated with the use of the seal conforms with the requirements of ASTM F1292-99. A complete list of our validated products may be found on the IPEMA website at www.ipema.com.

## ADA

GameTime is the only manufacturer to have a lab partnership with an Institute for children with special needs, so that we can develop and test our accessible products before bringing them to market. GameTime is the only manufacturer to meet accessibility guidelines on all of its pre-designed PowerScape and PrimeTime playground plans. We also recommend accessible surfacing options. For more information, log on to www.access-board.gov

## ISO 9001:2000

GameTime is the first playground manufacturer to obtain the ISO 9001:2000 standard. In order to obtain this certification, the company's manuals, policies, objectives and quality procedures are closely examined during a surveillance audit by ISO representatives. Strict attention is paid to policies and procedures in manufacturing, communication channels, system monitoring, customer relations and order processing, which are reviewed for consistency and standards. Companies who meet the standard are awarded the ISO designation.

## TUV

An international organization that is a European Union Notified and Competent Body, providing testing and certification. Use of the TUV seal demonstrates that products have passed a comprehensive testing procedure based upon the European Harmonized Standard for Commercial Playground Equipment, and that the GameTime plant is regularly monitored by TUV.



# COASTAL PAINT OPTIONS WITH E-COAT

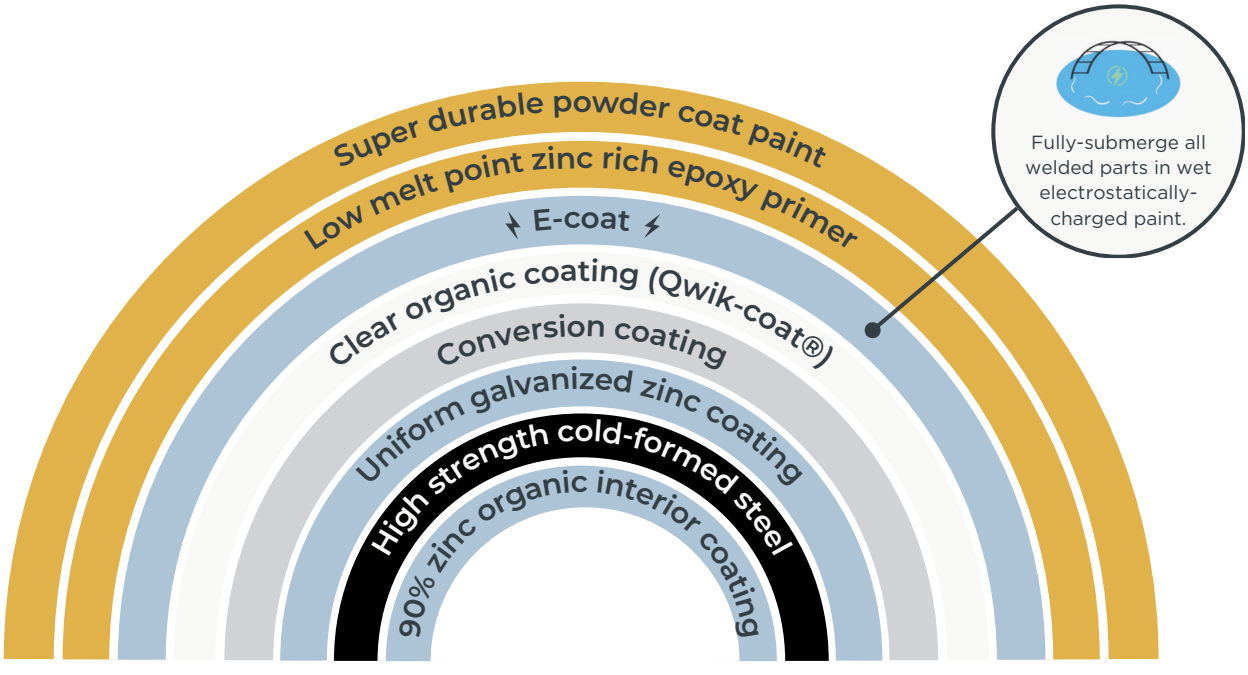
Durable powder coat coverage

## COASTAL PAINT PACKAGE

For coastal environments, GameTime offers an advanced paint process with E-Coat. We fully submerge parts with their weldments in a wet paint solution that is electrostatically charged.

The paint adheres to every part of the surface and provides superior protection against rust and corrosion. Next, we apply an industry-leading low melt point zinc-rich epoxy primer, and we finish the surface with our PCI 4000-certified powder coat paint. Our super durable paint and primer is tested to 3,000 hours, far beyond the industry standard of 1,000 hours of corrosion testing.

GameTime's coastal paint process carries a seven year warranty on labor and all painted parts when installed by a GameTime-certified installer.



# WARRANTY

GameTime offers a comprehensive warranty on all of our products.

For the purpose of this warranty, “lifetime” encompasses no specific term of years, but rather that the Seller warrants to its original customer for as long as the original customer owns the product, and uses the product for its intended purpose, that the product and all its parts will be free from defects in material and manufacturing workmanship.

- **Lifetime limited warranty** on PowerScape®, PrimeTime®, Xscape® & IONiX® and Modern City® uprights.
- **Lifetime limited warranty** on Tru-Loc® connections and upright bolt-through connections.
- **Lifetime limited warranty** on all hardware.
- **Twenty-Year limited warranty** on Timber Décor & Timbers recycled plastic lumber.
- **Fifteen-Year limited warranty** on metal decks, pipes, rungs, rails, loops, braces, and footbucks.
- **Fifteen-Year limited warranty** on rotationally-molded products.
- **Fifteen-Year limited warranty** on VistaRope™ nylon bearings and ring junction pieces.
- **Ten-Year limited warranty** on GTFit®, THRIVE® and Challenge Course posts & bars.
- **Ten-Year limited warranty** on site furnishings against structural failure.
- **Ten-Year limited warranty** on SunBlox products.
- **Ten-Year limited warranty** on fiberglass and DHPL signage.
- **Ten-Year limited warranty** on VistaRope™ WeaveTech™ cables.
- **Five-Year limited warranty** on Tuff Forms® structures, including TuffCrete and PolyShield.
- **Five-Year limited warranty** on nylon-covered cable net climbers and components.
- **Five-Year limited warranty** on GT Symphony Freenotes™ Harmony Park components.
- **Five-Year limited warranty** on Super Seats.
- **Five-Year limited warranty** on premature wear of VistaRope cables.
- **Three-Year limited warranty** on EveryBODY Plays® polyurea coated foam & rubber strips.
- **Three-Year limited warranty** on SaddleMates rubber and “C”-springs.
- **Three-Year limited warranty** on rubber seat and rubber mats for net events.
- **One-Year limited warranty** on Challenge Course timing components.
- **One-Year limited warranty** on all other GameTime products.

TO THE EXTENT PERMITTED BY LAW, THESE WARRANTIES ARE EXPRESSLY IN LIEU OF ANY OTHER IMPLIED OR EXPRESSED WARRANTIES OR REPRESENTATIONS BY ANY PERSON, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS. Warranties do not cover damage caused by vandalism or abuse. Warranty claims must be filed within the applicable warranty period and accompanied by a copy of the original invoice or GameTime invoice number.

# C – Proposed Playground Equipment and Configuration

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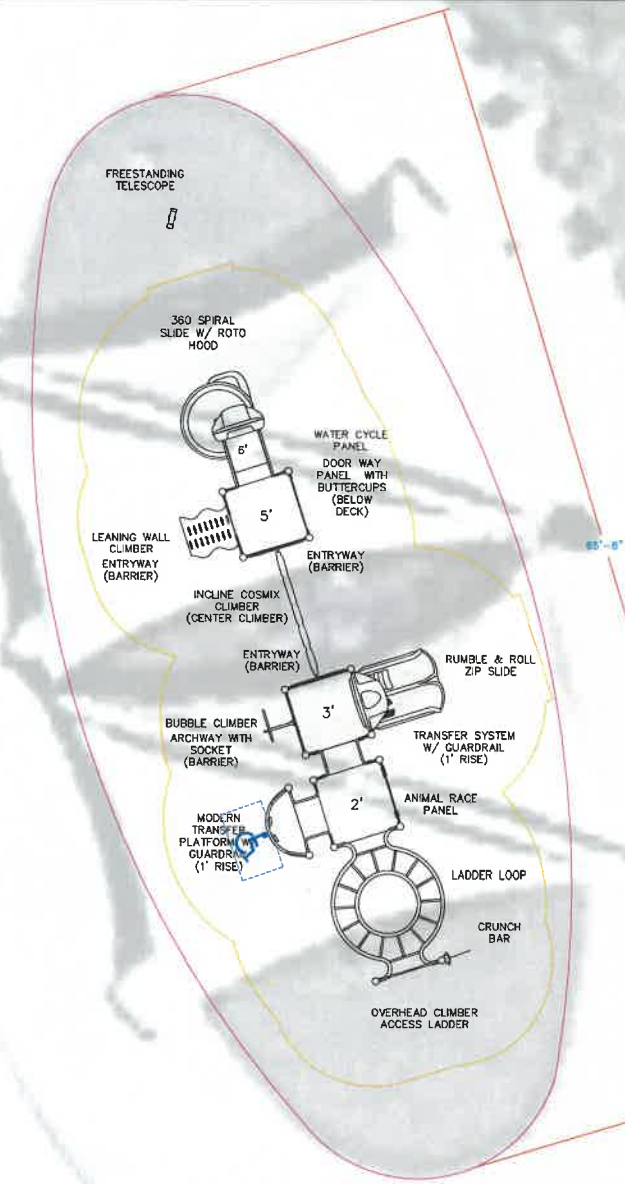
dr.p Dominica
Recreation Products

# Option A – Andy Romano Playground

# OPTION A

PowerScape System with 5" upright posts and large decks. Updated version of same playground on site. New Coastal Coating Package included on all metal components.

| | |
|---|---|
| Child Capacity | 56 |
| Total Play Events | 11 |




Flush with Grade Installation
1,400 sq. ft. GTImpax Poured Rubber Surfacing
- 6' fall height
- 50% Color

Verified and recompacted sub-base

N

0 5' 10' 15' 20'

IPEMA CERTIFIED to ASTM F1487

To verify product certification, visit www.ipema.org.

The space requirements shown in this publication are shown to ASTM Standards. Requirements for other standards may be different.

GameTime — A PLAYCORE Company

ISO 9001 CERTIFIED

**150 PlayCore Drive SE**
**Fort Payne, AL 35967**
**www.gametime.com**

Andy Romano Playground
Ormond Beach, FL

Representative
Dominica Recreation Products

This play equipment is recommended for children ages
5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By: Rob
Date: 4-30-25
Drawing Name: Andy Romano




# Andy Romano Playground

## Ormond Beach, FL

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# Andy Romano Playground

## Ormond Beach, FL

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# Andy Romano Playground

## Ormond Beach, FL

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Playpalette: Rolling Wave

5/2/25

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# Andy Romano Playground

## Ormond Beach, FL

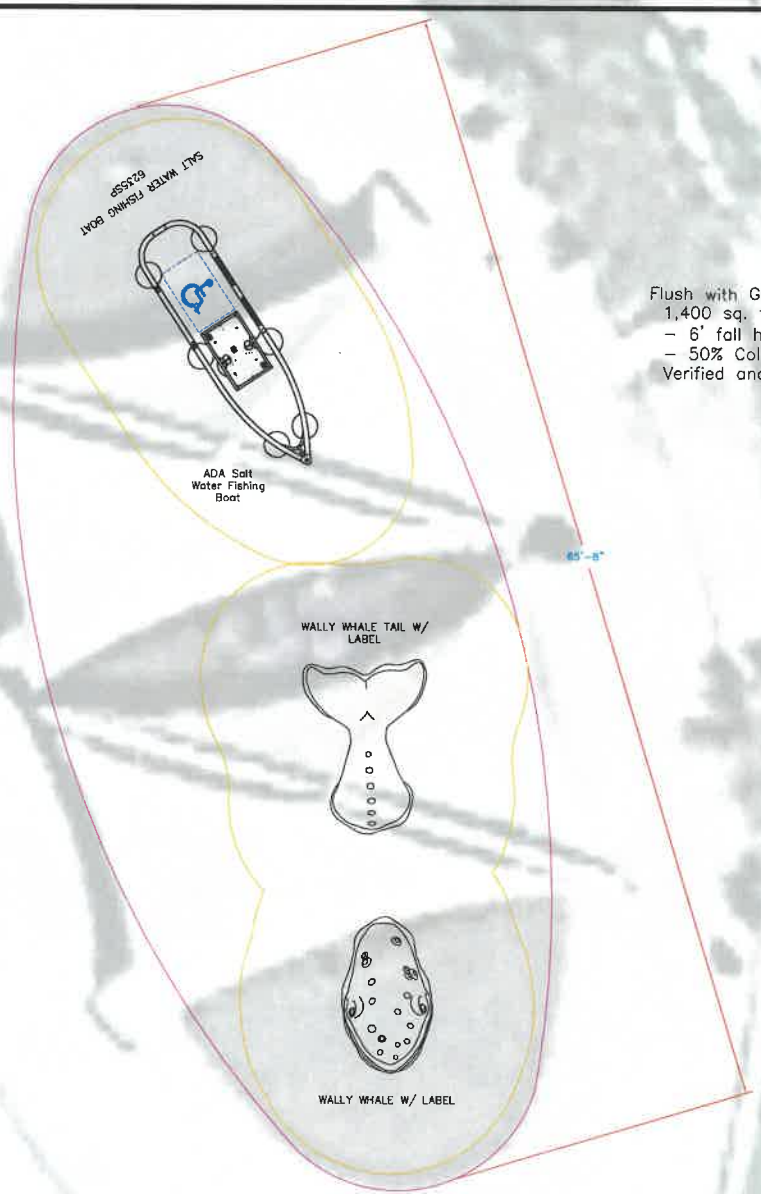
drp Dominica Recreation Products
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# Option B – Andy Romano Playground

# OPTION B

Custom Salt Water Fishing Boat with open side for ADA wheelchair access. Two large Whale and Tail Climbers, that are made of TuffForms (not metal).

| | |
|---|---|
| Child Capacity | 62 |
| Total Play Events | 3 |




Flush with Grade Installation
1,400 sq. ft. GTImpax Poured Rubber Surfacing
- 6' fall height
- 50% Color

Verified and recompacted sub-base

N

0 5' 10' 15' 20'

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Andy Romano Playground
Ormond Beach, FL

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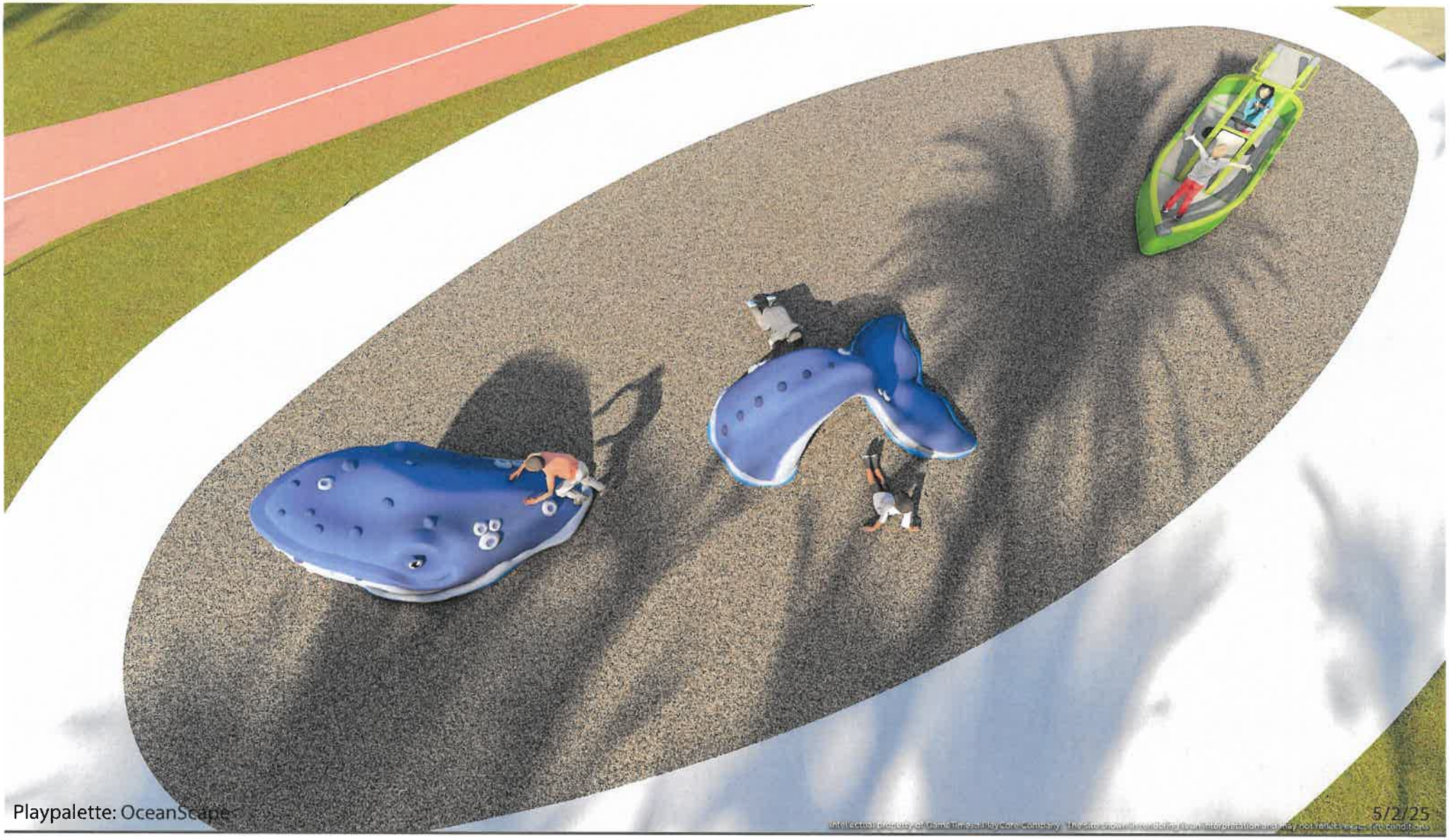
This play equipment is recommended for children ages 5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By: Rob
Date: 4-30-25
Drawing Name: Andy Romano




# Andy Romano Playground

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Playpalette: OceanScape

5/2/25

# Andy Romano Playground

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# Andy Romano Playground

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# Andy Romano Playground

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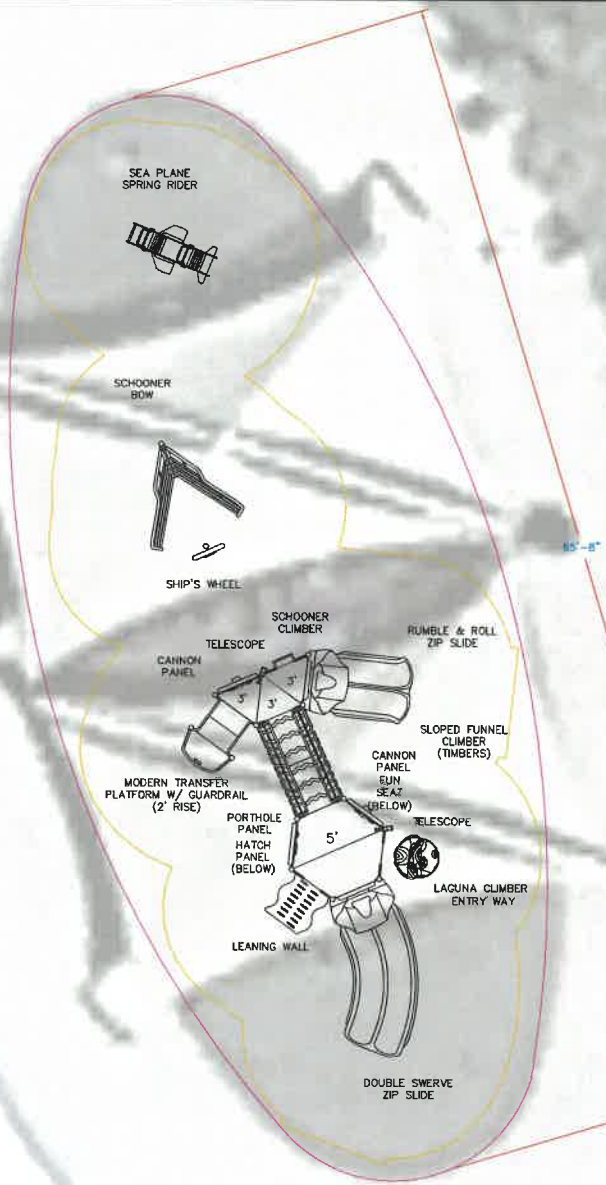
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Recreation Products

# Option C – Andy Romano Playground

# OPTION C

PrimeTime System with 3.5" Uprights. Boat themed playground design. Coastal coating package applied to all metal components on the system.

| | |
|---|---|
| Child Capacity | 68 |
| Total Play Events | 15 |




Flush with Grade Installation
1,400 sq. ft. GTImpax Poured Rubber Surfacing
- 6' fall height
- 50% Color

Verified and recompacted sub-base

IPEMA CERTIFIED TO ASTM F1487

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The space requirements shown in this publication are shown to ASTM Standards. Requirements for other standards may be different.

N

0 5' 10' 15' 20'

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ISO 9001 CERTIFIED

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Fort Payne, AL 35967
www.gametime.com

Andy Romano Playground
Ormond Beach, FL

Representative
Dominica Recreation Products

This play equipment is recommended for children ages
5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By: Rob
Date: 4-30-25
Drawing Name: Andy Romano




# Andy Romano Playground

## Ormond Beach, FL

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# Andy Romano Playground

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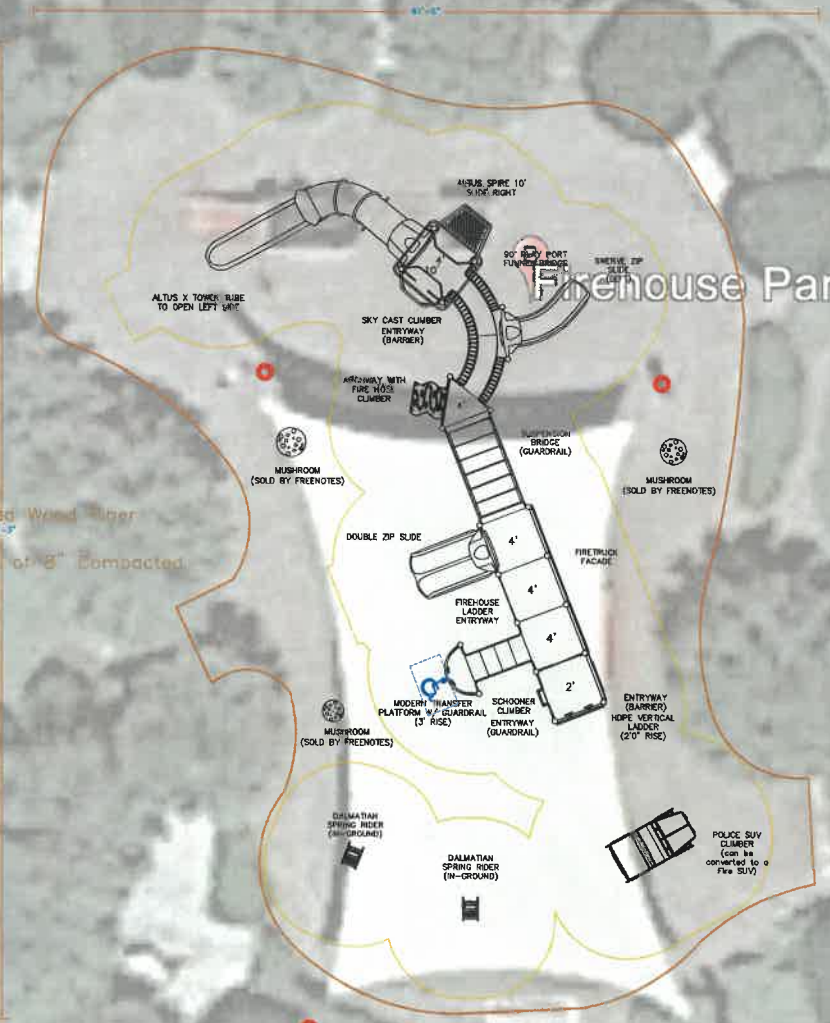
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Recreation Products

# Option A – Fire Station 91 Playground

# OPTION A

A large playground with fire truck theming and a high tower outside the shade area. Along with themed freestanding events. (Police car can be a fire car if desired)

| | |
|---|---|
| Child Capacity | 114 |
| Total Play Events | 20 |




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To verify product certification visit www.ipema.org

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N

0 10' 20'
5' 15'

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150 PlayCore Drive SE
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www.gametime.com


Fire Staion 91
Ormond Beach, FL

Representative
Dominica Recreation Products

This play equipment is recommended for children ages
2-5 & 5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By:
Rob

Date:
4-30-25

Drawing Name:
Fire 91




Uprights: Black
Accent: Red
Accent 2: White
Arch: White
Deck: Grey
HDPE: Red
Plastic: Red

5/5/25

# Fire Station 91 Playground

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# Fire Station 91 Playground

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# Fire Station 91 Playground

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Uprights: Black
Accent: Red
Accent 2: White
Arch: White
Deck: Grey
HDPE: Red
Plastic: Red

5/5/25

Intellectual Property Statement - This Design Concept is the property of GameTime and is protected by copyright, trademark, and other laws. Unauthorized use of this Design Concept without the express written permission of GameTime is strictly prohibited.

# Fire Station 91 Playground

## Ormond Beach, FL

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GameTime
A PLAYCORE Company

drp Dominica
Recreation Products

# Option B – Fire Station 91 Playground

# OPTION B

A Creative Playground with lots of ups and downs. All levels of complexity with climbers and slides. Multiple routes of travel within the playground. Also a rocking surfboard and double 'family' swings. Also with Harmony Freentones Musical Items.

| | |
|---|---|
| Child Capacity | 144 |
| Total Play Events | 32 |




3,000 sq. ft. GTimpax Engineered Wood Fiber
– Top-off of about 4"
– to maintain finished grade of 8" Compacted

IPEMA CERTIFIED to ASTM F1487

To verify product certification, visit www.ipema.org

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N

0 10' 20'
5' 15'


GameTime
A PLAYCORE Company

ISO 9001 CERTIFIED

150 PlayCore Drive SE
Fort Payne, AL 35967
www.gametime.com


Fire Staion 91
Ormond Beach, FL

Representative
Dominica Recreation Products

This play equipment is recommended for children ages
2-5 & 5-12

Minimum Area Required:

Scale:
This drawing can be scaled only when in an 18" x 24" format

IMPORTANT: Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall heights as specified by the U.S. Consumer Product Safety Commission, ASTM standard F 1487 and Canadian Standard CAN/CSA-Z-614

Drawn By:
Rob

Date:
4-30-25

Drawing Name:
Fire 91




# Fire Station 91 Playground

## Ormond Beach, FL

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Dominica Recreation Products
www.playdrp.com




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drp Dominica Recreation Products
www.playdrp.com




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## Ormond Beach, FL

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A PLAYCORE company

dr.p Dominica
Recreation Products

# Option C – Fire Station 91 Playground

# OPTION C

Net Structure with slide to give a completely new look. Included Double 'family' swing, and duo spinner. Many 'cause & effect' panels that will actually keep children engaged with the play panel.

| | |
|---|---|
| Child Capacity | 96 |
| Total Play Events | 14 |




Firehouse Park

3,000 sq. ft. GTimpax Engineered Wood Fiber
– top-off of about 4"
– to maintain finished grade of 6" Compacted

IPEMA CERTIFIED to ASTM F1487

To verify product certification visit www.ipema.org

The space requirements shown in this publication are shown in ASTM Standards. Requirements for other standards may be different

N

0 10' 20'
5' 15'

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A PLAYCORE Company

ISO 9001 CERTIFIED

ANSI 1487.1 CERTIFIED

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Fire Staion 91
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This play equipment is recommended for children ages
2-5 & 5-12

Minimum Area Required:

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Drawn By:
Rob

Date:
4-30-25

Drawing Name:
Fire 91




# Fire Station 91 Playground

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drp Dominica Recreation Products
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# D – Written Proposal & Project Schedule

GameTime
A PLAYCORE company

dr.p Dominica
Recreation Products

# Option A – Andy Romano Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/02/2025
Quote #
107490-02-02

# Andy Romano Beachfront Park

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~<br>• Site access for construction equipment and staging area must be provided by owner.<br>• Quote includes stone sub base repairs. Allowance for sub-base repair and update included. | | | |
| 1 | Digout | 5-Star Plus - Digout/Sitework of area (per sq. ft.) Removal of existing PIP-<br>*Stone subbase to remain* | | $5,200.00 | $5,200.00 |
| 1 | 6235SP | GameTime - Salt Water Fishing Boat | $24,288.00 | $18,459.73 | $18,459.73 |
| 1 | 7031L | GameTime - Whale | $20,684.00 | $18,201.92 | $18,201.92 |
| 1 | 7029L | GameTime - Whale Tail | $15,755.00 | $13,864.40 | $13,864.40 |
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $13,200.00 | $13,200.00 |
| 1 | Crush | GT-Impax - Crushed & Compacted Stone Sub-Base Recompaction-<br>*includes minimum additional stone* | $1,800.00 | $1,800.00 | $1,800.00 |
| 1400 | Poured-8 | GT-Impax - Poured Rubber Surfacing - 8' fall height-<br>*50% Standard Color - Aromatic Binder - 3.75" Thick with 1/2" EPDM wear course cap - 5-year warranty* | $29.33 | $27.86 | $39,004.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,200.00 | $1,200.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted.* ***Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $112,430.05 |
| | | | | **Freight** | $2,545.95 |
| | | | | **Total** | $114,976.00 |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

**Permits are not included in cost, unless specifically listed in pricing.** If permits are required Signed/Sealed drawings are needed and are also not included unless specifically listed in pricing. Any costs for muncipal permits, paid by installer, will be charged back to the owner. Adding permits to any job will increase the length of completion, expect total time to be about **150 days**, after receipt of Site Plan from owner/customer (this is not due to manufacturing but rather the permit process at the muncipality level). It is expected that the **owner will provide approved site plans** of the area for the permit office, and will help and assist in the securing of all required approvals before assembly of equipment can begin. Installer cannot provide site plans. **The permit process can not begin until appropriate and current site plans are provided by owner.** If there are no current surveys or site plans available, the owner may be required to obtain a new survey for the permit. This is the responsibility of the owner to obtain. If additional permitting requirements are needed during the process, those will be added and billed accordingly, i.e. soil density test, formed footers, etc.

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Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
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www.playdrp.com

05/02/2025
Quote #
107490-02-02

# Andy Romano Beachfront Park

**Payment Terms: Governmental Purchase Order.**
**Purchases in excess of $1,000.00 to be supported by your written purchase order made out to GameTime.**
Net 30 days subject to approval by GameTime Credit Manager. A completed Credit Application and Bank Reference Authorization, must be received with the order. The decision on credit is the sole discretion of GameTime/PlayCore. A 1.5% per month finance charge will be imposed on all past due accounts.
**Multiple Invoices**: Invoices will be generated upon services rendered. When equipment ships it will be invoiced seperately from installation and/or other services. Terms are Net 30 for each individual invoice.
This Quotation is subject to policies in the current GameTime Park and Playground Catalog and the following terms and conditions. Our quotation is based on shipment of all items at one time to a single destination, unless noted, and changes are subject to price adjustment.
Pricing: Firm for 60 days from date of quotation.
Shipment: F.O.B. factory, order shall ship within 120 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of payment.
Taxes: State and local taxes will be added at time of invoicing, if not already included, unless a tax exempt certificate is provided at the time of order entry.
Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

Installation Terms: Shall be by a Certified Installer. The installer is an indepedent installer and not part of PlayCore, GameTime, nor Dominica Recreation Products. If playground equipment, installer will be NPSI and Factory Trained and Certified. Unless otherwise noted, installation is based on a standard installation consistent with GameTime installation sheets and in suitable soil with a sub-base that will allow proper playground installation. Drainage is not part of our scope of work unless otherwise noted. Customer shall be responsible for scheduling and coordination with the installer. Site should be level and allow for unrestricted access of trucks and machinery. Customer shall also provide a staging and construction area. Installer not responsible for sod replacement or damage to access path and staging area. Customer shall be responsible for unknown conditions such as buried utilities, tree stumps, rock, or any concealed materials or conditions that may result in additional labor or material costs. Customer will be billed hourly or per job directly by the installer for any additional costs that were not previously included.

Unitary Surfacing Notes : The installer of the Unitary Surfacing (Poured, Bonded, Turf, Tiles) is not the same installer of the playground equipment. However, your certified equipment installer will coordinate the timing of the unitary surfacing installation, but more than likely they will not be on-site at the time. They will continue to be your contact should you have any questions. Security is needed to protect surfacing at night or after installation as the product set. Normally it is not needed or a concern, however in some areas additional security is needed to prevent vandalism. **Security is not included.** Vandalism will be the responsible of the owner.

**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$114,976.00**

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Recreation Products

# Option B – Andy Romano Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/02/2025
Quote #
107490-02-01

# Andy Romano Beachfront Park

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~<br>• Site access for construction equipment and staging area must be provided by owner.<br>• Quote includes stone sub base repairs. Allowance for sub-base repair and update included. | | | |
| 1 | Digout | 5-Star Plus - Digout/Sitework of area (per sq. ft.) Removal of existing PIP-<br>*Stone subbase to remain* | | $5,200.00 | $5,200.00 |
| 1 | RDU | GameTime - PowerScape System | $50,822.00 | $31,509.64 | $31,509.64 |
| | | (3) 80000 – 49" Sq Punched Steel Deck | | | |
| | | (1) 81593 – Ladder Loop Link | | | |
| | | (1) 81670 – Crunch Bar | | | |
| | | (1) 90025 – 1'-0" Transfer System W/ Guardrail | | | |
| | | (1) 90041 – 3' & 3'-6" Bubble Climber | | | |
| | | (1) 90254 – 5' Leaning Wall Climber | | | |
| | | (2) 90266 – 8' Upright, Alum | | | |
| | | (8) 90267 – 9' Upright, Alum | | | |
| | | (4) 90269 – 11' Upright, Alum | | | |
| | | (2) 90271 – 13' Upright, Alum | | | |
| | | (1) 90306 – Climber Archway W/Socket & Barrier | | | |
| | | (1) 90389 – 2'-0" Overhead Climber Access Ladder | | | |
| | | (1) 90507 – 2'-6"/3' Rumble & Roll Zip Slide | | | |
| | | (1) 90625 – Inclined Cosmix Climber (Center) | | | |
| | | (1) 90882 – 360 Spiral Slide 5' w/roto hood | | | |
| | | (3) 91139 – Entryway - Barrier | | | |
| | | (1) 91578 – Animal Race Panel | | | |
| | | (1) 91607 – Door Way Panel with Buttercups | | | |
| | | (1) 91711 – Modern Transfer w/Guardrail 1' Rise | | | |
| | | (1) 91987 – Water Cycle Panel | | | |
| 1 | 7038 | GameTime - Telescope, F/S | $1,762.00 | $1,268.64 | $1,268.64 |
| 1 | Coastal | Misc - Coastal Paint Application applied to all Accent Metal Components | | $6,350.00 | $6,350.00 |

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05/02/2025
Quote #
107490-02-01

# Andy Romano Beachfront Park

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $17,600.00 | $17,600.00 |
| 1 | Crush | GT-Impax - Crushed & Compacted Stone Sub-Base Recompaction-<br>*includes minimum additional stone* | | $1,800.00 | $1,800.00 |
| 1400 | Poured-8 | GT-Impax - Poured Rubber Surfacing - 8' fall height-<br>*50% Standard Color - Aromatic Binder - 3.75" Thick with 1/2" EPDM wear course cap - 5-year warranty* | $29.33 | $27.86 | $39,004.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,350.00 | $1,350.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted.* ***Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $105,582.28 |
| | | | | **Freight** | $3,389.32 |
| | | | | **Total** | **$108,971.60** |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

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Shipment: F.O.B. factory, order shall ship within 120 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of payment.
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Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

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05/02/2025
Quote #
107490-02-01

# Andy Romano Beachfront Park

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**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$108,971.60**

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dr.p Dominica
Recreation Products

# Option C – Andy Romano Playground

# Proposal

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05/02/2025
Quote #
107490-02-03

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Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | • Site access for construction equipment and staging area must be provided by owner.<br>• Quote includes stone sub base repairs. Allowance for sub-base repair and update included. | | | |
| 1 | Digout | 5-Star Plus - Digout/Sitework of area (per sq. ft.) Removal of existing PIP- *Stone subbase to remain* | | $5,200.00 | $5,200.00 |
| 1 | RDU | GameTime - PrimeTime System | $48,077.00 | $32,903.44 | $32,903.44 |
| | | (2) 12023 – 3 1/2" Uprt Ass'Y Alum 8' | | | |
| | | (5) 12024 – 3 1/2" Uprt Ass'Y Alum 9' | | | |
| | | (6) 12026 – 3 1/2" Uprt Ass'Y Alum 11' | | | |
| | | (2) 12969 – Telescope Upright Attachment | | | |
| | | (3) 18201 – 36" Tri Punched Deck P/T | | | |
| | | (1) 18766 – Fun Seat 36" | | | |
| | | (1) 18778 – Schooner Bow | | | |
| | | (2) 18807 – Cannon Panel | | | |
| | | (1) 18808 – Porthole Panel | | | |
| | | (1) 18809 – Hatch Panel | | | |
| | | (1) 19001 – Entry Way | | | |
| | | (1) 19094 – Schooner (2'-6" & 3') | | | |
| | | (1) 19174 – Leaning Wall (5') | | | |
| | | (1) 19289 – Two Piece Hex Deck | | | |
| | | (1) 19499 – Laguna Climber | | | |
| | | (1) 19700 – Sloped Funnel Climber Timbers(Dbl) | | | |
| | | (1) 19790 – Dbl Swerve Zip 4'-6"/5' | | | |
| | | (1) 19791 – Dbl Rumble & Roll 2'-6"/3' | | | |
| | | (1) 19917 – Modern Transfer w/Guardrail 2' Rise | | | |
| 1 | 6225 | GameTime - Ship'S Wheel | $1,330.00 | $957.60 | $957.60 |
| 1 | 6369 | GameTime - Sea Plane Two-Person Spring Rider | $2,999.00 | $2,519.16 | $2,519.16 |
| 1 | Coastal | Misc - Coastal Paint Application applied to all Accent Metal Components | | $6,250.00 | $6,250.00 |

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05/02/2025
Quote #
107490-02-03

# Andy Romano Beachfront Park

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $17,400.00 | $17,400.00 |
| 1 | Crush | GT-Impax - Crushed & Compacted Stone Sub-Base Recompaction-<br>*includes minimum additional stone* | | $1,800.00 | $1,800.00 |
| 1400 | Poured-8 | GT-Impax - Poured Rubber Surfacing - 8' fall height-<br>*50% Standard Color - Aromatic Binder - 3.75" Thick with 1/2" EPDM wear course cap - 5-year warranty* | $29.33 | $27.86 | $39,004.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,350.00 | $1,350.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted.* ***Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $108,884.20 |
| | | | | **Freight** | $3,174.70 |
| | | | | **Total** | $112,058.90 |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

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**Payment Terms: Governmental Purchase Order.**
**Purchases in excess of $1,000.00 to be supported by your written purchase order made out to GameTime.**
Net 30 days subject to approval by GameTime Credit Manager. A completed Credit Application and Bank Reference Authorization, must be received with the order. The decision on credit is the sole discretion of GameTime/PlayCore. A 1.5% per month finance charge will be imposed on all past due accounts.
**Multiple Invoices:** Invoices will be generated upon services rendered. When equipment ships it will be invoiced seperately from installation and/or other services. Terms are Net 30 for each individual invoice.
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Pricing: Firm for 60 days from date of quotation.
Shipment: F.O.B. factory, order shall ship within 120 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of payment.
Taxes: State and local taxes will be added at time of invoicing, if not already included, unless a tax exempt certificate is provided at the time of order entry.
Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/02/2025
Quote #
107490-02-03

# Andy Romano Beachfront Park

Installation Terms: Shall be by a Certified Installer. The installer is an indepedent installer and not part of PlayCore, GameTime, nor Dominica Recreation Products. If playground equipment, installer will be NPSI and Factory Trained and Certified. Unless otherwise noted, installation is based on a standard installation consistent with GameTime installation sheets and in suitable soil with a sub-base that will allow proper playground installation. Drainage is not part of our scope of work unless otherwise noted. Customer shall be responsible for scheduling and coordination with the installer. Site should be level and allow for unrestricted access of trucks and machinery. Customer shall also provide a staging and construction area. Installer not responsible for sod replacement or damage to access path and staging area. Customer shall be responsible for unknown conditions such as buried utilities, tree stumps, rock, or any concealed materials or conditions that may result in additional labor or material costs. Customer will be billed hourly or per job directly by the installer for any additional costs that were not previously included.

Unitary Surfacing Notes : The installer of the Unitary Surfacing (Poured, Bonded, Turf, Tiles) is not the same installer of the playground equipment. However, your certified equipment installer will coordinate the timing of the unitary surfacing installation, but more than likely they will not be on-site at the time. They will continue to be your contact should you have any questions. Security is needed to protect surfacing at night or after installation as the product set. Normally it is not needed or a concern, however in some areas additional security is needed to prevent vandalism. **Security is not included.** Vandalism will be the responsible of the owner.

**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$112,058.90**

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Recreation Products

# Option A – Fire Station 91 Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/05/2025
Quote #
107490-03-01

# Fire Station 91 Playground

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | ~~~

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05/05/2025
Quote #
107490-03-01

# Fire Station 91 Playground

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| 1 | Coastal | Misc - Coastal Paint Application applied to all Accent Metal Components | | $14,800.00 | $14,800.00 |
| 1 | MUSH-LRG-IG | Freenotes Harmony Park - TL - Large Red Mushroom - (With Inground Mount Kit) | $2,773.00 | $2,495.70 | $2,495.70 |
| 1 | MUSH-MED-IG | Freenotes Harmony Park - TL - Medium Red Mushroom - (With Inground Mount Kit) | $2,659.00 | $2,393.10 | $2,393.10 |
| 1 | MUSH-SML-IG | Freenotes Harmony Park - TL - Small Red Mushroom - (With Inground Mount Kit) | $2,577.00 | $2,319.30 | $2,319.30 |
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $41,200.00 | $41,200.00 |
| 1 | INSTALL | 5-Star Plus - ADA Border Access | | $1,000.00 | $1,000.00 |
| 100 | EWF-Bulk | GT-Impax - Engineered Wood Fiber - Per Cubic Yard-<br>*ADA Compliant - IPEMA Certified - ASTM F1292 & F1951 Compliant*<br>*Installed by a blower truck* | | $55.00 | $5,500.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,350.00 | $1,350.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted.* ***Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $171,404.47 |
| | | | | **Material Surcharge** | $3,787.36 |
| | | | | **Freight** | $8,313.29 |
| | | | | **Total** | **$183,505.12** |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

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# Fire Station 91 Playground

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**Multiple Invoices**: Invoices will be generated upon services rendered. When equipment ships it will be invoiced seperately from installation and/or other services. Terms are Net 30 for each individual invoice.
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Pricing: Firm for 60 days from date of quotation.
Shipment: F.O.B. factory, order shall ship within 120 days after GameTime's receipt and acceptance of your purchase order, color selections, approved submittals, and receipt of payment.
Taxes: State and local taxes will be added at time of invoicing, if not already included, unless a tax exempt certificate is provided at the time of order entry.
Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

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**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$183,505.12**

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Recreation Products

# Option B – Fire Station 91 Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/05/2025
Quote #
107490-03-02

# Fire Station 91 Playground

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | ~~~

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05/05/2025
Quote #
107490-03-02

# Fire Station 91 Playground

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | (1) 19492 -- 4' Odyssey Pod w/thunderring | | | |
| | | (1) 19499 -- Laguna Climber | | | |
| | | (1) 19786 -- Edge Climber Attachment 2'0/5'0 | | | |
| | | (1) 19791 -- Dbl Rumble & Roll 2'-6"/3' | | | |
| | | (1) 19884 -- Hi Line Climb Link 2 Deck 1' Rise | | | |
| | | (1) 19917 -- Modern Transfer w/Guardrail 2' Rise | | | |
| | | (1) 19944 -- Catalina Climber 1' Riser | | | |
| 1 | SS5059 | GameTime - Double Arch Swing (SS) | $17,899.00 | $15,035.16 | $15,035.16 |
| 1 | Coastal | Misc - Coastal Paint Application applied to all Accent Metal Components | $13,400.00 | $13,400.00 | $13,400.00 |
| 1 | BEE-A-IG | Freenotes Harmony Park - Melody Bees, A Bells - (With Inground Mount Kit) | $1,550.00 | $1,364.00 | $1,364.00 |
| 1 | BEE-C-IG | Freenotes Harmony Park - Melody Bees, C Bells - (With Inground Mount Kit) | $1,550.00 | $1,364.00 | $1,364.00 |
| 1 | FWR-I-IG-T | Freenotes Harmony Park - Indigo Flower - (With Inground Mount Kit) | $1,676.00 | $1,474.88 | $1,474.88 |
| 1 | FWR-O-IG-T | Freenotes Harmony Park - Orange Flower - (With Inground Mount Kit) | $1,552.00 | $1,365.76 | $1,365.76 |
| 1 | FWR-Y-IG-T | Freenotes Harmony Park - Yellow Flower - (With Inground Mount Kit) | $1,676.00 | $1,474.88 | $1,474.88 |
| 1 | TD-IG-N | Freenotes Harmony Park - Tuned Drums - (Normal Height - With In Ground Mount Kit) | $4,502.00 | $3,961.76 | $3,961.76 |
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | $37,800.00 | $37,800.00 | $37,800.00 |
| 1 | INSTALL | 5-Star Plus - ADA Access Border | $1,000.00 | $1,000.00 | $1,000.00 |
| 100 | EWF-Bulk | GT-Impax - Engineered Wood Fiber - Per Cubic Yard-<br>*ADA Compliant - IPEMA Certified - ASTM F1292 & F1951 Compliant*<br>*Installed by a blower truck* | $55.00 | $55.00 | $5,500.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | $1,350.00 | $1,350.00 | $1,350.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted.* ***Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | $1,500.00 | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $164,040.79 |
| | | | | **Freight** | $7,925.58 |
| | | | | **Total** | $171,966.37 |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

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# Fire Station 91 Playground

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**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$171,966.37**

GameTime
A PLAYCORE company

dr.p Dominica
Recreation Products

# Option C – Fire Station 91 Playground

# Proposal

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/05/2025
Quote #
107490-03-03

# Fire Station 91 Playground

Ormond Beach Parks & Recreation
Attn: Robert Carolin
399 U.S. #1
Ormond Beach, FL 32174
United States
Phone: 386-676-3279
Fax:386-676-3367
robert.carolin@ormondbeach.org

**Ship to Zip** 32174

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~<br>• Site access for construction equipment and staging area must be provided by owner.<br>• Existing Wood Fiber will in place. Additional wood fiber will be installed over existing after completion of installation. | | | |
| 1 | INSTALL | 5-Star Plus - Moving existing wood fiber to side during installation | | $3,200.00 | $3,200.00 |
| 1 | 7329SP | GameTime - VISTA ROPE RACE 14 | $46,313.00 | $43,534.22 | $43,534.22 |
| 1 | SS5059 | GameTime - Double Arch Swing (SS) | $17,899.00 | $15,035.16 | $15,035.16 |
| 1 | T111 | GT-Site - Connections Bench 6' Surf Mt/Portable | $1,568.00 | $1,568.00 | $1,568.00 |
| 1 | 5284 | GameTime - Tent Climber | $7,860.00 | $5,973.60 | $5,973.60 |
| 1 | 5385 | GameTime - Play Pals Nature Play Center | $4,475.00 | $3,401.00 | $3,401.00 |
| 1 | 5387 | GameTime - Play Pals Nature Crawl Tunnel | $5,995.00 | $4,556.20 | $4,556.20 |
| 1 | 6376 | GameTime - Duo Spinner | $2,751.00 | $2,090.76 | $2,090.76 |
| 1 | 80987 | GameTime - Truck Half Panel | $5,078.00 | $3,859.28 | $3,859.28 |
| 1 | 90839 | GameTime - Buzz Reaction Panel Blw Deck | $6,623.00 | $5,033.48 | $5,033.48 |
| 1 | 91974 | GameTime - Sensory Fidget Panel (Below Deck) | $3,273.00 | $2,487.48 | $2,487.48 |
| 2 | 90264 | GameTime - 6' Upright, Alum | $428.00 | $325.28 | $650.56 |
| 4 | 90265 | GameTime - 7' Upright, Alum | $488.00 | $370.88 | $1,483.52 |
| 1 | TT-IG-STL | Freenotes Harmony Park - TL - Titan Tines - (With Steel In Ground Mount Kit) | | $10,142.00 | $10,142.00 |
| 1 | INSTALL | 5-Star Plus - Five Star Plus Playground Installation Services-<br>*Performed by a Certified Installer, includes meeting and unloading delivery truck, signed completion forms, site walkthrough, and 3-Year Labor Warranty!* | | $36,800.00 | $36,800.00 |
| 1 | INSTALL | 5-Star Plus - ADA Access Ramp | | $1,000.00 | $1,000.00 |
| 100 | EWF-Bulk | GT-Impax - Engineered Wood Fiber - Per Cubic Yard-<br>*ADA Compliant - IPEMA Certified - ASTM F1292 & F1951 Compliant*<br>*Installed by a blower truck* | | $55.00 | $5,500.00 |
| 1 | Sealed | 5-Star Plus - Signed/Sealed FBC 2023 8th Edition Building Code Drawings | | $1,350.00 | $1,350.00 |
| 1 | Permits | 5-Star Plus - Building Permits-<br>*Estimated Costs of Permits plus Time. If actual permit fees are significantly higher or lower, final invoice will be adjusted accordingly. If additional time spent acquiring permits, due to lack of information from owner, final invoice to be adjusted.* ***Survey & Siteplan are to be provided by the owner for the permit application. Correct legal address will be required.*** | | $1,500.00 | $1,500.00 |
| | | | | **Sub Total** | $149,165.26 |

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Quote #
107490-03-03

# Fire Station 91 Playground

| Qty | Part # | Description | List $ | Selling $ | Ext. Selling $ |
|---|---|---|---|---|---|
| | | | | **Freight** | $12,183.36 |
| | | | | Total | $161,348.62 |

This quote was prepared by Rob Dominica, President.
For questions or to order please call - 800-432-0162 ext. 113 robd@gametime.com

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Taxes: State and local taxes will be added at time of invoicing, if not already included, unless a tax exempt certificate is provided at the time of order entry.
Exclusions: Unless specifically discussed, this quotation excludes all sitework and landscaping; removal of existing equipment; acceptance of equipment and off-loading; lift gate delivery; storage of goods prior to installation; security of equipment (on site and at night); equipment assembly and installation; safety surfacing; borders; drainage; signed/sealed drawings; or permits.

Installation Terms: Shall be by a Certified Installer. The installer is an indepedent installer and not part of PlayCore, GameTime, nor Dominica Recreation Products. If playground equipment, installer will be NPSI and Factory Trained and Certified. Unless otherwise noted, installation is based on a standard installation consistent with GameTime installation sheets and in suitable soil with a sub-base that will allow proper playground installation. Drainage is not part of our scope of work unless otherwise noted. Customer shall be responsible for scheduling and coordination with the installer. Site should be level and allow for unrestricted access of trucks and machinery. Customer shall also provide a staging and construction area. Installer not responsible for sod replacement or damage to access path and staging area. Customer shall be responsible for unknown conditions such as buried utilities, tree stumps, rock, or any concealed materials or conditions that may result in additional labor or material costs. Customer will be billed hourly or per job directly by the installer for any additional costs that were not previously included.

Unitary Surfacing Notes : The installer of the Unitary Surfacing (Poured, Bonded, Turf, Tiles) is not the same installer of the playground equipment. However, your certified equipment installer will coordinate the timing of the unitary surfacing installation, but more than likely they will not be on-site at the time. They will continue to be your contact should you have any questions. Security is needed to protect surfacing at night or after installation as the product set. Normally it is not needed or a concern, however in some areas additional security is needed to prevent vandalism. **Security is not included.** Vandalism will be the responsible of the owner.

GameTime
c/o Dominica Recreation Products, Inc.
P.O. Box 520700
Longwood, FL 32752-0700
800-432-0162 * 407-331-0101
Fax: 407-331-4720
www.playdrp.com

05/05/2025
Quote #
107490-03-03

# Fire Station 91 Playground

**Acceptance of quotation:**

Accepted By (printed): _____ P.O. No: _____

Signature: _____ Date: _____

Title: _____ Phone: _____

E-Mail: _____ Purchase Amount: **$161,348.62**

## RFP Evaluation Summary

**Project: Andy Romano Beachfront Park and Fire Station 91 Playgrounds**

**Recommendation(s) of Award highlighted**

**RFP Number:** 2025-37
**Date & Time: May 19, 2025 - 10:00 AM**
**The RFP's were scored on the following criteria:**

**Qualifications and Experience 30 Points Max**
**References 20 Points Max**
**Proposed Playground Equipment and Configuration 30 Points Max**
**Written Proposal & Project Schedule 20 Points Max**

Score Summary - Andy Romano

| | Qualifications and Experience 30 Points Max | | | | References 20 Points Max | | | | Proposed Playground Equipment and Configuration 30 Points Max | | | | Written Proposal & Project Schedule 20 Points Max | | | | Totals | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Firm | R.C. | C.B. | D.L | Total | R.C. | C.B. | D.L | Total | R.C. | C.B. | D.L | Total | R.C. | C.B. | D.L | Total | R.C. Totals | C.B. Totals | D.L. Totals | total points | rank |
| Play Power LT Farmington Inc C/O Playworx Playsets LLC | 24 | 30 | 12 | 66 | 18 | 20 | 8 | 46 | 26 | 27 | 10 | 63 | 16 | 17 | 8 | 41 | 84 | 94 | 38 | 216 | 7 |
| Playmore West Inc - Option 1 | 27 | 30 | 20 | 77 | 19 | 20 | 16 | 55 | 24 | 28 | 12 | 64 | 18 | 17 | 15 | 50 | 88 | 95 | 63 | 246 | 5 |
| Playmore West Inc - Option 2 | 27 | 30 | 20 | 77 | 19 | 20 | 16 | 55 | 27 | 26 | 18 | 71 | 18 | 17 | 15 | 50 | 91 | 93 | 69 | 253 | 3 |
| Playcore Wisconsin Inc dba Gametime - Option A | 30 | 30 | 28 | 88 | 19 | 20 | 19 | 58 | 27 | 22 | 29 | 78 | 19 | 15 | 19 | 53 | 95 | 87 | 95 | 277 | 1 |
| Playcore Wisconsin Inc dba Gametime - Option B | 30 | 30 | 28 | 88 | 19 | 20 | 19 | 58 | 28 | 25 | 10 | 63 | 19 | 15 | 10 | 44 | 96 | 90 | 67 | 253 | 3 |
| Playcore Wisconsin Inc dba Gametime - Option c | 30 | 30 | 28 | 88 | 19 | 20 | 19 | 58 | 25 | 24 | 24 | 73 | 19 | 15 | 19 | 53 | 93 | 89 | 90 | 272 | 2 |
| Lanier Plans Inc dba KorKat | 18 | 30 | 19 | 67 | 18 | 20 | 15 | 53 | 24 | 23 | 10 | 57 | 15 | 15 | 10 | 40 | 75 | 88 | 54 | 217 | 6 |

Score Summary - Station 91

| | Qualifications and Experience 30 Points Max | | | | References 20 Points Max | | | | Proposed Playground Equipment and Configuration 30 Points Max | | | | Written Proposal & Project Schedule 20 Points Max | | | | Totals | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Firm | R.C. | C.B. | D.L | Total | R.C. | C.B. | D.L | Total | R.C. | C.B. | D.L | Total | R.C. | C.B. | D.L | Total | R.C. Totals | C.B. Totals | D.L. Totals | total points | rank |
| Play Power LT Farmington Inc C/O Playworx Playsets LLC | 24 | 30 | 12 | 66 | 18 | 20 | 8 | 46 | 25 | 25 | 10 | 60 | 16 | 17 | 8 | 41 | 83 | 92 | 38 | 213 | 6 |
| Playmore West Inc - Option 1 | 27 | 30 | 20 | 77 | 19 | 20 | 16 | 55 | 29 | 26 | 15 | 70 | 18 | 17 | 15 | 50 | 93 | 93 | 66 | 252 | 4 |
| Playcore Wisconsin Inc dba Gametime - Option A | 30 | 30 | 28 | 88 | 19 | 20 | 19 | 58 | 28 | 26 | 28 | 82 | 19 | 15 | 19 | 53 | 96 | 91 | 94 | 281 | 1 |
| Playcore Wisconsin Inc dba Gametime - Option B | 30 | 30 | 28 | 88 | 19 | 20 | 19 | 58 | 24 | 24 | 25 | 73 | 18 | 15 | 19 | 52 | 91 | 89 | 91 | 271 | 2 |
| Playcore Wisconsin Inc dba Gametime - Option c | 30 | 30 | 28 | 88 | 19 | 20 | 19 | 58 | 17 | 24 | 23 | 64 | 19 | 15 | 19 | 53 | 85 | 89 | 89 | 263 | 3 |
| Lanier Plans Inc dba KorKat | 18 | 30 | 19 | 67 | 18 | 20 | 15 | 53 | 24 | 25 | 14 | 63 | 15 | 15 | 14 | 44 | 75 | 90 | 62 | 227 | 5 |

Rob Hart
Purchasing Coordinator

Robert Carolin
Leisure Services Director

David Lisicki
Contract Manager

Cindy Berglund
Permit Manager

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.Q. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | RFP Award - Broker for Property, Liability and Workers' Compensation Insurance | | |
| **Recommended Action** | Staff recommends approval of a resolution to utilize the services of Foundation Risk Partners for Agent of Record Property & Casualty Insurance and the corresponding Services Agreement. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | City Manager<br>Claire Whitley, Assistant City Manager | | |


Summary

This item serves as a request to accept the response to the Request for Proposals for Agent of Record Property and Casualty Insurance and corresponding Insurance Consultant Services Agreement and enter into an agreement with Foundation Risk Partners (FRP).

The Request for Proposals was advertised on May 25, 2025, and the City received and opened proposals from Foundation Risk Partners and Brown & Brown on June 24, 2025. On July 8, 2025, the evaluation committee reviewed and evaluated both proposals per the City's purchasing rules, deemed both proposals as qualified and awarded the maximum points possible in each category. Both firms are well-qualified, have experienced team members, provided professional references, and quoted a reasonable fee with only a slight difference in rates compared to the overall underlying insurance costs.

Both FRP and Brown & Brown have a proven history of providing professional and responsive services to the City while successfully managing property, casualty, liability, and workers' compensation claims and premium costs. With that in mind, the City only recently began utilizing the services of Foundation Risk Partners, following an insurance RFP process that resulted in changes to its insurance providers on October 1, 2024. As a result of working together for less than a year, and due to the impacts of Hurricane Milton also occurring in October 2024, the City is still working with FRP to fully implement many of its risk management services and programs. As such, the evaluation committee made a recommendation to select FRP as its property, casualty, liability, and workers' compensation broker in an effort to fully explore and realize many of these benefits, maintain continuity and efficiency in the provision of services, and avoid unnecessary additional costs and disruption.

Financial Impact

The total annual fee is $55,000 and will be funded from Fund 504-General Liability Insurance Fund.

Citizen Impact

In keeping with the city's commitment to transparency, the committee conducted a thorough process for the evaluation of insurance brokers and recommended an agreement that fits the city's needs, matches the tolerance for risk, and provides the desired level of service.

Attachments

1. 25-118 Agent of Record-Insurance (P25-0096G)
2. FRP Broker Services Agreement CLEAN copy 7.17.25
3. RFP 2025-46 Agent of Record Property Casualty Insurance
4. Foundation Risk Partners
5. Brown & Brown
6. RFP 2025-46 signed score summary

**RESOLUTION NO. 2025-118**

A RESOLUTION ACCEPTING THE PROPOSAL OF FOUNDATION RISK PARTNERS, CORP REGARDING AGENT OF RECORD SERVICES FOR PROPERTY, LIABILITY AND WORKERS' COMPENSATION INSURANCE; AUTHORIZING THE EXECUTION OF AN AGREEMENT AND PAYMENT THEREFOR; REJECTING ALL OTHER PROPOSALS; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City solicited proposals for Agent of Record for property, liability and workers' compensation insurance (the Project) (City RFP No. 2025-46), in accordance with Section 2-300, *Code of Ordinances*, and

**WHEREAS,** the City's evaluation committee reviewed the two (2) proposals received and determined that the most advantageous proposal for the City is the proposal submitted by Foundation Risk Partners, Corp to provide Agent of Record services (a copy of said proposal being attached hereto and incorporated herein by reference), and

**WHEREAS**, based on the foregoing the City's professional staff recommends that the City Commission accept the proposal of Foundation Risk Partners, Corp to provide Agent of Record services at an annual cost of $55,000.00 ($165,000.00 for the initial three-year term, plus two possible renewal periods for a total of $275,000.00 over a five-year period) and execute an agreement for the Project (a copy of said agreement being attached hereto and incorporated herein by reference), and

**WHEREAS**, the City Manager has certified that the money for the payment of the Project has been appropriated to the credit of the General Liability Fund (504) and has not been appropriated for any other purpose, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE**. The proposal of Foundation Risk Partners, Corp to provide Agent of Record services for the City is hereby accepted.

**SECTION TWO**. All other proposals relative to the aforedescribed Project shall be deemed rejected upon the execution of an agreement with Foundation Risk Partners, Corp.

**SECTION THREE.** The Mayor and the City Manager are hereby authorized and directed to execute an Agreement between the City and Foundation Risk Partners, Corp for the Project in an amount of $165,000.00 for the initial three-year term (plus two possible annual renewals of $55,000.00 each), and to pay the costs thereof from the General Liability Fund (504).

**SECTION FOUR.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# *Broker Services Agreement*

Prepared For:
City of Ormond Beach

Presented by:
Foundation Risk Partners, Corp

Effective Date:
October 1, 2025

## Terms and Conditions

This Broker Services Agreement (this "Agreement") is effective October 1, 2025 (the "Effective Date") by and between the **City of Ormond Beach**, a Florida municipal corporation, with offices at 22 South Beach Street, Ormond Beach, FL 32174 ("Client"), and **FOUNDATION RISK PARTNERS, CORP.**, a Delaware corporation, with offices at 780 W. Granada Blvd., Ormond Beach, FL 32168 ("FRP").

**WHEREAS,** Client has engaged FRP to perform certain services, including but not limited to Agent of Record Property & Casualty Insurance; and

**WHEREAS,** this Agreement represents the mutual understanding of Client and FRP regarding the services that FRP will provide to Client.

**NOW THEREFORE,** in consideration of the terms and conditions set forth below and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

**1. Services.** During the term of this Agreement, FRP agrees to provide Client with the "Services" as described on Exhibit A attached hereto. Client shall appoint FRP as its insurance broker of record. FRP shall have the exclusive right to provide the Services to Client for the term of this Agreement. Any and all Services not contained herein fall outside the scope of this Agreement and if additional services are required, this Agreement shall be amended in writing accordingly prior to the provision of such service.

**2. Payment.** In consideration for the Services, Client agrees to pay FRP the amount shown on Exhibit B attached hereto.

**3. Term.**

3.1 *Term.* This Agreement shall commence on the Effective Date and shall have an initial term of three (3) years. This Agreement shall be automatically renewed for two (2) additional one (1) year periods unless either party provides at least ninety (90) days prior written notice of its intent not to renew. If FRP and Client, in good faith, continue its business relationship after the above expiration date, the terms of this Agreement will control and continue to be in full force and effect until such time as a new agreement is executed by the parties or the relationship between the parties is otherwise terminated.

**4. Warranties.**

4.1 *Warranties by FRP.* FRP hereby represents and warrants to Client that:

a. The Services will be performed in a professional and workmanlike manner, consistent with all applicable laws, required guidelines and industry standards.

b. It will at all times employ current industry standard security protection, compliant with all applicable laws, to prevent unauthorized access to all records, data, documents, images and other information of Client and its employees ("Employee Data Records") and that it shall employ industry standard measures to maintain the

strict confidentiality at all times of all Employee Data Records.

c. The Services do not and shall not violate or infringe the copyright, trademark, patent, trade secret, privacy, publicity or reputational rights of any third party.

4.2 *Warranties by Client.* Client hereby represents and warrants to FRP that:

a. All information provided to FRP by Client in connection with FRP's performance of Services is or will be complete and accurate in all material respects;

b. Use of the information provided by Client to perform the Services will not conflict with or constitute a violation or breach of any contract or other obligation under which Client is bound or any judgment, law, rule, or governmental regulation applicable to Client.

4.3 *WARRANTY DISCLAIMERS*. Neither party makes any representation or warranty, express or implied, with respect to any Confidential Information. Neither party shall be responsible for any expenses, losses, or actions incurred or undertaken by the other party as a result of the receipt and use by such party of Confidential Information of the other party. Disclosing party retains all rights to its Confidential Information. No grant or license is made or given hereunder, express or implied, to any trademark, copyright, patent or similar right other than the use of the Confidential Information for the limited Business Purpose. Confidential Information is disclosed "AS IS" under this agreement. This Agreement is not intended, nor shall it be constructed, to create or convey any right in or upon any person or entity not a party to this Agreement.

**5. <u>Data and Return of Data</u>.**

5.1 *Data.* Client hereby represents, warrants, and covenants that: (i) Client has all rights and authorizations, in compliance with all applicable laws and regulations, to provide the Data (defined below) to FRP and (ii) Client owns all Data and has sole responsibility and liability for the Data under all applicable laws and regulations at all times during Initial Term and any renewal of this Agreement. "Data" means Client's records or files and other related information.

*5.2 Return of Data.* Upon either (i) completion of the Services of (ii) termination of this Agreement, Client and FRP hereby agree that FRP shall return to the owning party or destroy all copies of the Confidential Information, provided that such destruction is not prohibited by applicable law, rule, court order or other similar process, or a governmental, regulatory or legal authority. A party may return Confidential Information, or any part thereof, to the other party at any time. Notwithstanding the foregoing, the obligation to return or destroy Confidential Information shall not cover (a) Confidential Information that is maintained on routine computer backup tapes, disks, or other backup storage devices or (b) one copy of Confidential Information that the recipient is required to maintain in accordance with applicable legal, regulatory or record-keeping requirements, provided that such retained Confidential Information is not used or disclosed or, in the case of back-up Confidential Information, otherwise recovered from such back-up devices. The obligation contained in this Section not to use, disclose or otherwise

access such retained Confidential Information shall continue in full force and effect, notwithstanding any other termination of this Agreement.

**6. Client Responsibilities.** Client has sole responsibility and liability for: (a) establishment and operation of its plans; (b) construing and interpreting the provisions of its plans; (c) deciding all questions of fact arising under its plans; and (d) all fiduciary decisions relating to its plans.

**7. Remedies.** Without prejudice to any other remedies to which Client may be entitled at law or in equity, in the event of a breach of FRP's warranty under Section 4.1, Client shall provide FRP written notice of non-conforming services within twenty (20) days of Client being on notice of the non-conforming services being performed. If adequate notice was provided to FRP, FRP shall promptly re-perform the non-conforming Services at no additional cost so as to make the Services comply with its representations, warranties and covenants of Section 4.1. If FRP should fail to promptly re-perform the Services, Client shall not be obligated to pay for any such deficient Services to the extent they are not re-performed, and shall be entitled to: (i) recover any fees already paid to FRP for such deficient Services to the extent they were not re-performed, provided however, no refund shall be given for any Services which were performed or have been re-performed in compliance with FRP's representations, warranties and covenants of Section 4; and (ii) retain any deliverables resulting from such deficient Services if and only to the extent Client pays all fees for any Services in connection with such deliverables regardless of whether the Services were performed in compliance with FRP's representations, warranties and covenants of Section 4.

**8. Authority; Compliance with Laws.** Each party represents, warrants and covenants to the other party that (i) it has the authority to enter into this Agreement and to perform all of its obligations hereunder; (ii) FRP and each of FRP's employees, contractors, and subcontractors who perform Services hereunder ("FRP Personnel") have not previously entered into any agreement that would restrict any of such persons in the performance of Services; and (iii) each party shall comply with all applicable foreign and United States federal, state and local laws, rules and regulations in its performance of this Agreement.

**9. Sufficient Rights; Non-Infringement.** FRP represents, warrants and covenants to Client that (i) it has sufficient rights to perform the Services on behalf of Client; and (ii) the Services, when performed and used in accordance with the terms and conditions of this Agreement, do not and shall not infringe upon or otherwise violate or misappropriate any Intellectual Property Rights of any third party. "Intellectual Property Rights" means copyrights, patents, trademarks, trade secrets, and other intellectual property rights.

**10. Publicity; Use of Trademarks.** Nothing herein shall be interpreted as granting either party a right or a license to use the trade name, word mark or the trademark of the other party for any reason. Any use of such information must be obtained in writing from the other party.

**11. Relationship of the Parties.** Client and FRP are independent contracting parties. This Agreement shall not create a relationship of principal and agent, partners, joint venturers, or employer and employee.

**12. Confidentiality.**

*12.1 Definition.* "Confidential Information" includes all trade secrets (as defined by Florida law), business information, technical data, or

know-how, including, but not limited to, that which relates to a disclosing party's research, hardware, insurance information (including insurance data, premium and policy information, premium spend, broker and insurer information, insurance coverage amounts and limits, historical losses, asset related information), products and services, clients, customers, tenants and tenant financial information, software products, technology, data, data models, data processing systems and techniques, product roadmap, product platforms, solutions, technical information, trades secrets, business plans, business models and related documentation, support, and services, financial information and other confidential and proprietary information not made available to the general public by disclosing party furnished after the date of this agreement, analyses, compilations, summaries or other documents prepared by the recipient party containing or based upon any such information, copies of any of the foregoing regardless of its form or medium (oral, written, stored in computers, machine readable, electronic or other) ("Confidential Information"). Each party (the "Recipient") acknowledges that it has or may be exposed to Confidential Information of the other party (the "Disclosing Party"), whether or not the Disclosing Party expressly designates any such information to be Confidential Information. Confidential Information shall not include any information (a) that is or becomes publicly known without any breach hereof by the Recipient, (b) that was known to the Recipient prior to any disclosure to it by the Disclosing Party, as shown by the Recipient's written records, (c) that is rightfully received by the Recipient from a third party who is not bound by a confidentiality obligation to the Disclosing Party, (d) that is independently developed by the Recipient without using any of the Confidential Information of the Disclosing Party, or (e) that is required to be disclosed by law. FRP shall keep and maintain public records that ordinarily and necessarily would be required by Client as indicated in the attached referenced and incorporated herein as *Exhibit A*, in order to perform the services. FRP shall provide the Client with access to Client's public records on the same terms and conditions that Client would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, as may be amended or revised or as otherwise provided by law, and ensure the public records that are exempt or confidential from public records disclosure requirements are not disclosed except as authorized by law. FRP shall also meet all requirements for retaining public records and transfer, at no cost to Client all public records in possession of FRP at termination of this Agreement. All records stored electronically must be provided to Client in a format compatible with Client's technology system.

*12.2 Restrictions.* Each party forever agrees to hold in confidence and not disclose or utilize for its own or anyone else's benefit any Confidential Information except as necessary in connection with the Services, or as required pursuant to the terms of a valid and effective subpoena or order issued by a court of competent jurisdiction. Except as expressly authorized herein or in a separate writing signed by the Disclosing Party, the Recipient shall not use, commercialize or disclose any Confidential Information to any person or entity, except as provided by law. Each party shall also ensure that all of its officers, directors, employees and independent contractors abide by the terms of this Agreement. The Non-disclosing Party shall protect all Confidential Information of the Disclosing Party from disclosure and unauthorized use in the same manner that it protects its own proprietary and confidential information of like nature, but in no event shall such standard of care be less than reasonable care. The Non-disclosing Party shall

not copy the Disclosing Party's Confidential Information without the Disclosing Party's prior written consent except as necessary to perform its obligations under this agreement and to maintain a record of the Confidential Information exchanged pursuant to this agreement, and shall immediately notify the Disclosing Party in the event of any unauthorized use or disclosure of the Disclosing Party's Confidential Information. However, any Confidential Information that is required to be disclosed pursuant to a requirement of a governmental agency or law of the United States of America or a state thereof, or any governmental or political subdivision thereof, may be disclosed, but only to the extent required so long as the party required to disclose the information provides the other party with timely prior notice of such requirement and an opportunity to oppose the disclosure. The parties further agree that each party is and shall remain; the exclusive owner of all of its respective Confidential Information and no license or conveyance of any rights to any Confidential Information is granted or implied under this Agreement. Upon the termination of this Agreement, the parties shall return all Confidential Information to its respective owner.

*12.3 Survival.* The provisions of this Section 12 shall survive any termination of this Agreement.

**13. <u>Indemnification</u>.**

13.1 *General; Personal Injury; Damage to Personal Property.* FRP and Client shall each indemnify (a party providing indemnification pursuant to this Article 13 referred to as an "Indemnifying Party") and hold the other party (a party seeking indemnification pursuant to this Article 13 referred to as an "Indemnified Party"), its officers, employees and agents harmless against any and all liability, loss, expense, including reasonable attorney's fees, or claims for injuries or direct damages (not including consequential or punitive damages) arising out of the Indemnifying Party's performance of this Agreement, but only in proportion to and to the extent such liability, loss or expense, attorney fees, or claims for injury or direct damages are caused directly by or resulting from the negligent or intentional acts or omissions of the Indemnifying Party, its officers, employees or agents. The Indemnified Party will provide the Indemnifying Party written notice within thirty (30) days of receiving notice of a claim potentially giving rise to indemnification hereunder and will provide the Indemnifying Party an opportunity to control the defense of such claim. Notwithstanding the foregoing, the Indemnifying Party shall not make any settlement of any claim on behalf of the Indemnified Party without the prior written consent of the Indemnified Party, which consent shall not be unreasonably withheld or delayed.

*13.2 Non-Infringement.* FRP and Client shall each indemnify, defend and hold harmless each other from and against any and all claims relating to, or arising out of, any claim alleging that the Services or any deliverable, or the use of any part thereof, when used in accordance with the terms and condition of this Agreement infringes, misappropriates or violates any Intellectual Property Rights of a third party, except to the extent (i) that either party is determined by a court of competent jurisdiction to be responsible for the incident that resulted in such claims, or (ii) such claims result directly from gross negligence or willful misconduct. Both parties shall cooperate as reasonably requested and shall provide any information in its possession with respect to such claims and will provide prompt notice of such claims.

13.3 *Breach of Confidentiality or Security Requirements.* Each party shall indemnify, defend and hold harmless each other from and against any and all claims relating to, or arising out of, any breach of Section 12 (Confidentiality), except to the extent (i) either party is determined by a court of competent jurisdiction to be responsible for the incident that resulted in such claims, or (ii) such claims result directly from gross negligence or willful misconduct. Both parties shall cooperate as reasonably requested and shall provide any information in its possession with respect to such claims and will provide prompt notice of such claims.

**14. Limitation of Liability.**

14.1 SUBJECT TO SECTION 14.2, EITHER PARTY'S CUMULATIVE LIABILITY TO THE OTHER PARTY UNDER THIS AGREEMENT FOR ALL CAUSES OF ACTION, WHETHER ARISING IN CONTRACT, TORT (INCLUDING NEGLIGENCE), OR OTHERWISE (INCLUDING THIRD PARTY CLAIMS), SHALL BE LIMITED TO AND NOT EXCEED PROVEN DIRECT DAMAGES IN AN AMOUNT NOT TO EXCEED THE AMOUNT PAID OR TO BE PAID BY CLIENT PURSUANT TO THIS AGREEMENT, REGARDLESS OF WHETHER SUCH PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

14.2 IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY CONSEQUENTIAL, INCIDENTAL, PUNITIVE, SPECIAL, EXEMPLARY, OR INDIRECT DAMAGES, OR ANY AMOUNTS REPRESENTING LOSS OF REVENUES, LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE, LOST OR DAMAGED DATA, INTERRUPTION OF BUSINESS ARISING OUT OF THIS AGREEMENT, EVEN IF SUCH PARTY IS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

14.3 SOVEREIGN IMMUNITY. THE CLIENT EXPRESSLY RETAINS AND RESERVES ALL RIGHTS, PRIVILEGES, IMMUNITIES, AND BENEFITS OF SOVEREIGN IMMUNITY AS PROVIDED UNDER THE FLORIDA STATUTES, AND THIS PROVISION SHALL BE CONSTRUED BROADLY IN FAVOR OF CLIENT.

**15. Miscellaneous.**

*15.1 In General.* The parties, without further consideration of any kind, shall each execute and deliver, or cause to be executed and delivered, such other instruments, and take, or cause to be taken, such other action, as shall reasonably be requested by the other party hereto to more effectively carry out the terms and provisions of this Agreement.

15.2 *Amendment.* This Agreement may not be modified or amended except in writing and duly signed by an authorized representative of each party.

*15.3 Governing Law and Venue.* The construction, interpretation and performance of this Agreement, and the transactions under it, shall be governed by and construed in accordance with the laws of the State of Florida, excluding its conflict of laws and choice of law rules, and jurisdiction over any action to enforce this Agreement, or any dispute arising from or relating to this Agreement shall subsist solely in the state and/or federal courts located within the State of Florida, with exclusive venue agreed to be in a state or federal court of competent jurisdiction in or for Volusia County, Florida.

*15.4 Force Majeure.* Neither FRP nor Client shall be held responsible for any delay or failure in performance under this Agreement arising out of causes beyond its control, or without its fault or negligence. Such causes

may include, but are not limited to, fires, terrorist acts, strikes, embargoes, shortages or supplies of raw materials, or components or finished goods, acts of God, acts of regulatory agencies or national disasters.

15.5 *Notices.* All notices, requests, demands, claims and other communications hereunder ("Notices") shall be in writing. Any Notice hereunder shall be deemed duly given (i) upon receipt if delivered in person; (ii) upon the third business day after being sent if sent by registered or certified mail, return receipt requested with postage thereon prepaid; or (iii) on the next business day if sent by Federal Express or similar overnight courier service; in each case addressed to HIP or to Client at the addresses listed below:

**Address for Notices to FRP:**
Foundation Risk Partners, Corp.
780 W. Granada Blvd.
Ormond Beach, FL 32174
Attn: Thomas J. Leek, Chief Legal Officer

**Address for Notices to Client:**
Joyce Shanahan, City Manager
(copy to City Attorney)
22 South Beach Street
Ormond Beach, FL 32174

*15.6 Attorney's Fees*. In the event of a dispute concerning the terms of this Agreement, any claims arising from this Agreement, or arising out of the relationship created by this Agreement, the prevailing Party, as determined by the court or arbiter, shall be entitled to recover, in addition to any other remedy obtained, (i) all attorneys' and paralegals' fees incurred in the investigation and preparation of issues related to the dispute, including investigation and preparation for trial and in the trial and appellate proceedings, and (ii) all statutory costs. The prevailing party shall be that party which shall have prevailed on a majority, but not necessarily all, of the material issues which were adjudicated in such proceeding.

*15.7 Severability.* Any term or provision of this Agreement that is invalid or unenforceable in any jurisdiction shall not affect the validity or enforceability of the balance of the Agreement or of the offending term or provision in any other situation or jurisdiction.

*15.8 Waiver.* The failure of either party hereto to enforce any right under this Agreement shall not be construed to be a waiver of that right, or of damages caused thereby, or of any other rights under this Agreement.

*15.9 Counterparts.* This Agreement may be executed in any number of counterparts, which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page by facsimile or electronic means shall be effective as delivery of a manually executed counterpart.

*16.0 Entire Agreement.* This Agreement constitutes the entire agreement between the parties regarding the subject matter hereof and no terms, conditions or provisions other than those expressly contained herein shall be deemed to be part of this Agreement. This Agreement supersedes any and all prior agreements, covenants, arrangements, communications, representations and/or warranties with respect to the subject matter of this Agreement.

FOUNDATION
RISK PARTNERS

## Exhibit A – Services

The broker selected will serve as the City's Agent of Record and will be responsible for conducting all services relative to the marketing, acquisition and maintenance of Property & Casualty insurance on behalf of the City of Ormond Beach.

1. Contact Property & Casualty insurance providers on behalf of the City to resolve issues that may arise throughout the year as needed. The City of Ormond Beach currently purchases Excess Workers' Compensation, Property, Public Officials Liability, Employment Practices Liability, Commercial General Liability, Licensees & Permitees, Drone, Cyber, Volunteer Accident, Petroleum, Flood, Professional Liability for Specified Medical Professions (Emergency Medical Technicians – EMT), Commercial Crime, and Accidental Death and Disability for Public Safety coverage. The City may consider Auto Liability coverage, or other applicable coverage.

2. Negotiate renewal rates on an annual basis for the most comprehensive coverage at the most cost-effective premium with input from City staff and provide such rates no later than July of each year – unless other arrangements are agreed-to between the broker or brokers and the City.

3. Assist the Risk Manager and/or City staff in conducting annual physical inventories for real and personal property, establishing current replacement values.

4. Prepare and maintain list of current properties owned by the City. Update list to reflect new construction, acquisition or deletion of property and provide same to the City, at a minimum on an annual basis.

5. Assist the Risk Manager in preparing documents and exhibits for presentation to the City's Insurance Program Committee and/or City Commission for approval/annual renewal of Property & Casualty insurance. All documents/proposals to be considered by the City Commission for approval must be received in final form to meet deadlines established by the Risk Manager for inclusion in the City Commission agenda packet.

6. Attend City Commission meetings and other meetings as requested by City staff at no cost to the City.

7. Assist City staff with review and suggested improvement to the City's minimum insurance requirements.

8. Be available to meet with City staff concerning issues regarding the City's minimum insurance requirements and certificates of insurance.

9. Be willing to assist vendors or bidders on City contracts with insurance coverage that meets or exceeds the City's minimum insurance requirements.

10.Assist in the preparation of Requests for Proposals (in compliance Section 2-300 of the Ormond Beach Code of Ordinances) and analysis of same as needed at no charge to the City.

11.Respond to telephone calls from City staff on the same day or within twenty-four (24) hours and be available at night and on weekends as needed.

12.Be available to meet on-site as required by the City within 48 hours of request, unless other arrangements are agreed-to between the broker and the City.

13.Actively pursue improved coverage and/or rates on behalf of the City of Ormond Beach. Outline marketing techniques including timing, client meetings, meetings with underwriters and major carriers.

14.Perform risk management advisory services. Advice must be provided on emerging risk management trends, the state of the market and any new, innovative products.

15.Review and refine existing insurance model and prepare ongoing reports as requested.

16.Provide other related services as determined by the City at no cost to the City.

**End of Scope of Services**

FOUNDATION
RISK PARTNERS

**Exhibit B - Pricing**

In consideration for the Services provided herein, Client agrees to pay FRP annually an amount of $55,000 for the Services rendered. This fee is not refundable.

| Annual Contract Fee for RFP No. 2025-46 | |
|---|---|
| **Annual Total Flat Fee** | **$55,000/year** |

**FRP will not accept compensation for the insurance program currently in place, other than the FEE proposed, except for flood policies placed through the National Flood Insurance Program. FEMA issued a memorandum in April 2012 prohibiting the "rebating" or return of commission practice for NFIP flood policies. FRP adheres to this directive for all NFIP flood policies placed by FRP. A copy of the FEMA directive is available upon request.*

IN WITNESS WHEREOF, Client and FRP have executed and delivered this Broker Services Agreement effective as of the Effective Date.

**City of Ormond Beach**

_____ _____

Signature of Authorized Representative Date

_____

Print Name of Authorized Representative

_____

Title of Authorized Representative

_____ _____

Signature of Authorized Representative Date

_____

Print Name of Authorized Representative

_____

Title of Authorized Representative

**FOUNDATION RISK PARTNERS, CORP.**

| | |
|---|---|
| _____ | _____ |
| Signature of Authorized Representative | Date |
| Ross Beach _____ | _____ |
| Print Name of Authorized Representative | License Number |
| Director of Risk Management _____ | |
| Title of Authorized Representative | |

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: **Agent of Record Property & Casualty Insurance**

RFP NUMBER:**2025- 46**

RFP OPENING DATE & TIME: **June 24, 2025 at 2:00 PM**

RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**

PRE-PROPOSAL MEETING DATE & TIME: **None**

PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: _____

PROPOSER'S MAILING ADDRESS: _____

CITY-STATE-ZIP: _____

F.E.I.N.: _____
PHONE NUMBER: _____

EMAIL: _____
If returning as a "No Submittal", please state reason (s _____

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

_____
NAME (TYPED)

_____
TITLE

_____
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES**: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS**. The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S**: The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES**: All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING**: Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS**: The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct

type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY**: The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES**: The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32174**
**(386)677-0311**
**CITYCLERK@ORMONDBEACH.ORG**
**or online at**
**https://www.ormondbeach.org/prr**

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

## TERMS AND CONDITIONS

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

## I. OBJECTIVE OF THE REQUEST FOR PROPOSALS

The City of Ormond Beach, located in Volusia County, Florida, is comprised of approximately 33 square miles, with a population of 43,000 and 349 full-time employees. The city is seeking the professional services of an Agent of Record for Property & Casualty Insurance. The Agent of Record will assist in the negotiation of rates and resolution of all related issues on behalf of the City.

## II. SCOPE OF SERVICES

The City is seeking proposals from established, qualified Property & Casualty insurance brokers who are properly licensed and have been in the business for not less than five (5) years. The broker selected will serve as the City's Agent of Record and will be responsible for conducting all services relative to the marketing, acquisition and maintenance of Property & Casualty insurance on behalf of the City of Ormond Beach. The Agent of Record may receive a reasonable commission from the Property & Casualty insurance carrier(s) and/or charge an administrative fee directly to the City. The Agent should be able to acquire liability coverage which provides for the City's choice of counsel. Examples of the work expected to be performed by the selected agent includes but are not limited to:

1. Contact Property & Casualty insurance providers on behalf of the City to resolve issues that may arise throughout the year as needed. The City of Ormond Beach currently purchases Excess Workers' Compensation, Property, Public Officials Liability, Employment Practices Liability, Commercial General Liability, Licensees & Permitees, Drone, Cyber, Volunteer Accident, Petroleum, Flood, Professional Liability for Specified Medical Professions (Emergency Medical Technicians – EMT), Commercial Crime, and Accidental Death and Disability for Public Safety coverage. The City may consider Auto Liability coverage, or other applicable coverage.

2. Negotiate renewal rates on an annual basis for the most comprehensive coverage at the most cost-effective premium with input from City staff and provide such rates no later than July of each year – unless other arrangements are agreed-to between the broker or brokers and the City.

3. Assist the Risk Manager and/or City staff in conducting annual physical inventories for real and personal property, establishing current replacement values.

4. Prepare and maintain list of current properties owned by the City. Update list to reflect new construction, acquisition or deletion of property and provide same to the City, at a minimum on an annual basis.

5. Assist the Risk Manager in preparing documents and exhibits for presentation to the City's Insurance Program Committee and/or City Commission for approval/annual renewal of Property & Casualty insurance. All documents/proposals to be considered by the City Commission for approval must be received in final form to meet deadlines established by the Risk Manager for inclusion in the City Commission agenda packet.

6. Attend City Commission meetings and other meetings as requested by City staff at no cost to the City.

7. Assist City staff with review and suggested improvement to the City's minimum insurance requirements.

8. Be available to meet with City staff concerning issues regarding the City's minimum insurance requirements and certificates of insurance.

9. Be willing to assist vendors or bidders on City contracts with insurance coverage that meets or exceeds the City's minimum insurance requirements.

10. Assist in the preparation of Requests for Proposals (in compliance Section 2-300 of the Ormond Beach Code of Ordinances) and analysis of same as needed at no charge to the City.

11. Respond to telephone calls from City staff on the same day or within twenty-four (24) hours and be available at night and on weekends as needed.

12. Be available to meet on-site as required by the City within 48 hours of request, unless other arrangements are agreed-to between the broker and the City.

13. Actively pursue improved coverage and/or rates on behalf of the City of Ormond Beach. Outline marketing techniques including timing, client meetings, meetings with underwriters and major carriers.

14. Perform risk management advisory services. Advice must be provided on emerging risk management trends, the state of the market and any new, innovative products.

15. Review and refine existing insurance model and prepare ongoing reports as requested.

16. Provide other related services as determined by the City at no cost to the City.

## III. TERM OF AGREEMENT

The initial term of this agreement shall be for a period of three (3) years and will be automatically renewed for two (2) additional one-year periods thereafter unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the agreement.

## IV. MIMIMUM QUALIFICATIONS

To be considered by the City, proposing firm must:

1. Have at least five years of experience under the same name providing similar property and casualty broker services to municipalities of similar size in the state of Florida.

2. Be licensed to transact insurance brokerage business in the state of Florida.

3. Demonstrate they have successfully provided similar broker services to at least three other municipalities of similar size in the state of Florida.

4. Services must have been provided in the past five years prior to the issuance of this RFP.

5. Demonstrated ability and success implementing various risk management strategies to reduce premium costs while providing adequate insurance levels.

6. The client executive assigned to the account must have a minimum of ten years of experience providing similar broker of record services to municipalities of similar size in the state of Florida and must be capable of speaking and making decisions on behalf of the firm. Additional support staff assigned to the city must have a minimum of five years of experience supporting municipalities in the administration of property and casualty insurance programs.

## V. PROPOSAL PROCESS

The firm or individual(s) interested in this contract should include a response to each of the following items in their written proposal:

A. Background and experience of firm:

1. Describe the firm's experience working with municipalities of similar size in the state of Florida. Provide a list of all public employee/government clients for the past three years. Provide contact information for at least three municipal clients.

2. Provide resumes for the firm owners, key management personnel, and dedicated account team including account executive, client representatives, and any other administrative support personnel interacting with the city.

3. Provide an organizational chart showing reporting structures for all key staff and dedicated team members.

4. Include three professional references for the individual designated to serve as the city's primary point of contact.

B. Fees:

Provide the firm's fee structure.

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## VI. PROPOSAL SUBMITTAL

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than 2:00 p.m., June 24, 2025.

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until seven (7) working days prior to the RFP due date. Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart
City of Ormond Beach
22 South Beach Street, Room 102
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
FAX: (386) 676-3374
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this

RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

## VII. EVALUATION PROCESS AND CRITERIA

The City of Ormond Beach will conduct an evaluation of all proposals, submitted by the deadline, to determine compliance with proposal requirements and mandatory document submissions. The evaluation committee will review proposals and select the Proposer that meets the best interests of the City and will make a recommendation of Award of Contract to the City Commission.

**The City reserves the following rights:**

- Modify, extend, or cancel this RFP at any time to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Issue a new RFP with terms and conditions that are the same, similar or substantially different as those set forth in this or a previous RFP in order to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Conduct pre-award discussion and/or pre-award negotiations with any or all responsive and responsible proposer(s) who submit proposals determined to be reasonably acceptable of being selected for award; and, conduct personal interviews or require presentations of any or all proposer(s) prior to selection.

- Request that proposer(s) furnish additional information as the City may reasonably require.

- Accept or reject qualifications or proposals in part or whole, and/or waive any defect or deficiency in any proposal, if in the City's sole judgment, the defect or deficiency is not material in response to this RFP;

- Limit and/or determine the actual contract services to be included in a contract.

- Engage outside experts to assist staff in evaluating the merits and viability of each proposer.

- Obtain information for use in evaluating submittals from any source.

- Verify the information received in the proposal. If a proposer knowingly and willfully submits false information or data, the City of Ormond Beach reserves the right to reject that proposal. If it is determined that an Agreement was awarded as a result of false statements or other data submitted in response to this RFP, the City of Ormond Beach reserves the right to terminate the Agreement.

The City shall be the sole judge of the proposer's qualifications.

**Evaluation Criteria:**

For the purposes of further evaluation, the responsive proposals will be evaluated on, but shall not be limited to, consideration of the following criteria:

Qualifications of Firm (30 points)
Experience of Dedicated Team Members (40 points)
References (20 points)
Price (10 points)

Responsive proposals will be ranked in each of the criteria

## VIII. EXHIBITS

**The following exhibits are provided to assist firms with preparing proposals:**

- 2024-2025 Policy Summary

**REGISTRATION AND INSURANCE REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS**

REGISTRATION REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

**Registration Requirements**

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:
Copy of City Business Tax Receipt (where your business is located).

Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

**State Certified/Registered Contractors**

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org
https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

**EXHIBIT A**
**Risk Management and Insurance Requirements**

**A. Payment and Performance Bonds**

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

**ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

**3.** The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

**4.** The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

**5.** The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

**6.** The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

**7.** In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

**8.** In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

**9.** The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

**10.** The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

### 2. Payment on Behalf of City

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

### 3. Loss Control/Safety

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

### 4. Service Bond

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period

of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

### 1. General

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

### 2. Types of Insurance and Limits of Liability

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under

the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased

on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

## D. Requirements for Certificates of Insurance

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be

canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

**2.** New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

**3.** If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

**4.** For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

**5.** If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

## E. Policies of Insurance

**1.** Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

**2.** For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

**3.** All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

**4.** The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

# City of Ormond Beach
# Request for Proposals (RFP)
# Agent of Record Property & Casualty Insurance
# (RFP No. RFP 2025-46)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

**1.** Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

**2.** Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

**3.** Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

**4.** Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

**5.** Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

_____
COMPANY NAME

_____
AUTHORIZED SIGNATURE

_____
NAME

_____
TITLE

_____
DATE

# City of Ormond Beach
# Request for Proposals (RFP)
# Agent of Record Property & Casualty Insurance
# (RFP No. RFP 2025-46)

## RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: _____

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: _____

_____

_____

_____

PHONE NO.: _____FAX NO.:_____

SUBMITTER'S NAME: _____
(Typed or Printed in Ink)

TITLE:_____

**AUTHORIZED SIGNATURE**: I, _____
hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

***THIS PAGE <u>MUST</u> BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

_____

COMPANY NAME

_____

AUTHORIZED SIGNATURE

_____

SIGNER'S NAME (PRINT OR TYPE)

_____

TITLE

_____

DATE

***THIS PAGE <u>MUST</u> BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach
# Request for Proposals (RFP)
# Agent of Record Property & Casualty Insurance
# (RFP No. RFP 2025-46)
# CITY OF ORMOND BEACH, FLORIDA
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

_____
Company Name

_____
Authorized Signature

_____
Print Name

_____
Title

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the _____ of _____
   (Title) (Business Name)
   which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: _____, 20____ Signed: _____

Entity: _____ Name: _____

Title: _____

STATE OF: _____ COUNTY OF: _____

The foregoing instrument was acknowledged before me by means of ☐physical presence or ☐online notarization, this_____ day of_____,20_____, by_____ and who: ☐ Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

My commission expires: _____

***This document must be completed and returned with your Submittal***

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is _____. I am over the age of Twenty-one years old. I am the _____ of_____, a non- governmental entity which does
   **(Title)** **(Business Name)**
   business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: _____, 20___

Signed: _____
Print Name: _____
Title: _____

SUBSCRIBED AND SWORN before me by means of [__] physical presence or [__] online notarization on the ____ day of _____, 20__ by _____ as _____ on behalf of _____ who is personally known to me or who has produced _____ as identification.

(Notary Seal)

_____
Notary Public, State of _____
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

# Request for Proposals

# 2025-46

# Agent of Record Property & Casualty Insurance

DUE DATE:

June 24, 2025 @ 2:00 P.M.

# ORIGINAL


**Jeff Seidl, CIC, CRM**
**Client Executive**
485 N. Keller Road, Suite 101
Maitland, FL 32751
(321) 229-2665
jseidl@foundationrp.com

**Jonathan Jallad**
**Public Entity Sales Leader**
780 W. Granada Blvd.
Ormond Beach, FL 32174
(407) 864-1983
Jonathan.Jallad@foundationrp.net


FOUNDATION RISK PARTNERS
PUBLIC ENTITY SERVICES

780 W. Granada Blvd.
Ormond Beach, FL 32174
Phone: (321) 229-2665

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# Tab 1

# Cover Letter

June 24, 2025
City of Ormond Beach
Rob Hart, Purchasing Coordinator
22 South Beach Street
Ormond Beach, FL 32174

FOUNDATION RISK PARTNERS
PUBLIC ENTITY SERVICES

Re: RFP 2025-46 Agent of Record Property & Casualty Insurance

Dear Mr. Hart and Members of the Evaluation Committee,

On behalf of Foundation Risk Partners Public Entity Services, we would like to thank you for the opportunity to respond to the solicitation "RFP 2025-46 Agent of Record Property & Casualty Insurance". We look forward to your review of the enclosed response.

Foundation Risk Partners will continue to serve and partner with the City of Ormond Beach ("City") in helping to execute the City's goal of procuring the very best Property & Casualty insurance program now and into the future. Our aim is to develop a trusted partnership that feels like a true extension of staff; a partnership that understands, develops, and provides solutions to your needs. Our team is collaborative, forward thinking, creative, and has the proven technical knowledge and capabilities to deliver best in class services while driving down costs. Foundation Risk Partners will focus on the following key areas of concern:

1. We are committed to the City of Ormond Beach, Volusia County and their community:
    a. Local office at 780 W. Granada Blvd. Ormond Beach, FL 32174
    b. Employing 100+ Volusia County tax paying citizens
2. Execute the strategic risk management goals of Ms. Shanahan, Ms. Whitley, Ms. Potts, and staff.
3. Act as the City's insurance intermediary utilizing industry best practices to design, market, and manage the City's insurance program on a guaranteed and transparent fee basis.
4. Formally review City's underwriting data to ensure the very best presentation of risk to the marketplace to receive best pricing available.
5. Lower the City's total cost of risk and optimize the City's premium spend by aggressive negotiation. **We were able to prove this with over $330,000 in savings and better coverage in our first year.**
6. Provide the City a market feasibility study on various insurance program options.
7. Aid the City in improving loss control, minimizing claims frequency/severity using education and onsite loss control.
8. Assist City staff with decision support, certificate reviews, and insurance consultation.
9. Claims advocacy, actively participating in the City's claims review process ensuring loss reserves and payments are accurate.

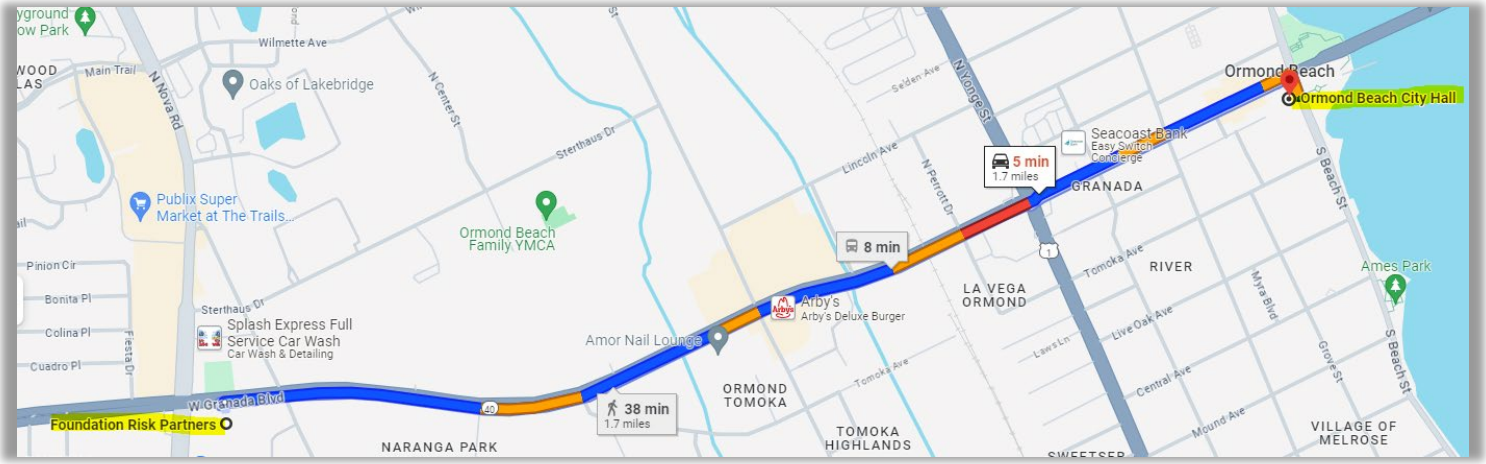
We are committed to perform and exceed the "Scope of Services" outlined in this RFP. We attest, that if selected, Foundation Risk Partners is willing to meet any location, budget, and task orders.

Sincerely,

Jeff Seidl, Client Executive

Jonathan Jallad, Sales Leader

## Local Presence – FRP Headquarters Distance to City Hall




## Foundation Risk Partners Moves Corporate Headquarters to New 33,000 Sq ft. Space

Foundation Risk Partners / September 22, 2023 /




On September 15, 2023, Foundation Risk Partners (FRP) moved the corporate headquarters to a new location: 780 W. Granada Blvd., Ormond Beach, Florida, 32174. Since the next phase of FRP's business requires a space that can accommodate the continued growth, training and development of our insurance brokerage, we have acquired a newly renovated 33,000 square-foot three-story office and event space ... **Read More**

**FRP - Ormond Beach Community Involvement**




Please see below a list of some of the various Boards our employees sit on:

- Ormond Beach Historical Society Board
- Ormond Beach Chamber of Commerce Board
- Ormond Beach Main Street Board
- Ormond Beach Rotary
- Boys & Girls Club of Volusia County

Additional Community Involvement:

- Over 20 employees have completed Ormond Beach Leadership Class
- Take Stock in Children
- Women United Volusia
- Early Learning Coalition
- Ormond Beach Memorial Art
- Pace Center for Girls

# Tab 2

# Minimum Qualifications

1. **Have at least five years of experience under the same name providing similar property and casualty broker services to municipalities of similar size in the state of Florida.**

**Public Entity Expertise:**
Foundation Risk Partners Public Entity Services is a specialty division that exclusively serves Florida's public entities. We provide cost effective solutions to meet the diverse insurance needs of Florida's governmental entities, including municipalities, counties, schools, special districts, and authorities. Our leadership has served both in local and State level government and our staff are subject matter experts in public sector insurance. We serve over 70 public entity clients in the State of Florida.

We speak "Public Entity" and draw from our experience from other public agencies to better serve you. We were built from the ground up to exclusively serve Florida public agencies, and our team is dedicated to public sector risk consulting. This focus was by design, as the nuances of local government and the risks local public agencies face are truly unique to not only government, but Florida government. Our team lives, eats, and sleeps Florida public entity and we love what we do.

Our focus is and always will be putting the needs of our clients first. We are a performance-based company that focuses on *serving those that serve others* within our areas of expertise. When it comes to public entities, we believe we offer a different approach than our competitors in that we understand not only the nuances of public sector brokerage, but also how to create and optimize insurance programs that drive real results.

The Public Entity Practice is led by Alan Florez and David Lodwick, who proudly served both State and local government in Tallahassee and Palm Beach County. In their careers, they have been fortunate to provide risk management programs to over 500 public entities of all sizes from the State University System to counties from the very largest to the very smallest and several county governments in over half of the State's counties.

Our experience is our differentiating factor. It has led to what our team is best at accomplishing for our clients. That is to create deal tension between the most competitive markets. Our access to every major Individual Risk Placement (IRP) market and multiple viable Insurance Trusts operating in Florida ensures the very best outcome for our public entity clients.

The Public Entity practice recognizes the unique exposures and evolving risk profiles of our municipal clients and strives to reduce the Total Cost of Risk. The practice believes in public service and is dedicated to reducing the total program cost, mitigating risk, and functioning as an extension of your staff.

Our claims service includes a senior claims specialist on our public entity team to assist with claims reporting, monitoring and overall claims handling. She is supplemented as needed by our internal legal staff to assist with claims compensability issues as well as coverage interpretations.

Our team also includes staff with risk management backgrounds to assist with contractual language review to further assist with maximizing opportunities for contractual risk transfer to reduce the retained risk by the City as well as reducing the overall cost of risk.

Our data analytics specialists work with clients to develop the desired management reports to effectively show key data metrics for program evaluation. Within our framework, we utilize Origami Risk when needed as a RMIS. Our relationship and familiarity with Origami was born out of our consultant work with a $90+ billion-dollar placement that we were responsible for data integration, normalization and analysis. Our work on this project within Origami has allowed this firm to access and analyze their data in a way that they never have before. This analysis and review will lead to alternative structure and placement in the marketplace and is resulting in savings of 20% when increases of 20%-30% were expected.

## Company Timeline

**1956:**
Formerly known as Mitchell Noel, we have been proud to serve the residents of Ormond Beach since 1956. Mitchell Noel joined Foundation Risk Partners in 2017.

**January 26, 2010:**
Acentria was organized with an effective date of January 26, 2010 (formerly known as Legends Insurance Solutions, LLC ("LIS") formed March 9, 2009).

**January 31, 2017:**
Foundation Risk Partners, Corp. ("FRP") was organized as a Delaware corporation on January 31, 2017 and authorized to do business in Florida as of February 24, 2017.

**November 1, 2017:**
On or about November 1, 2017, FRP acquired substantially all the assets of Acentria, Inc., a Florida corporation.

**Today:**
FRP continues to operate 50+ locations in Florida and the southeastern United States using the dba Acentria and/or Acentria Insurance while maintaining the same or similar business model and leadership since 2010.

# FRP – National

**199 LOCATIONS · 23 STATES · 2500+ PROFESSIONALS · $5.5+ BILLION PREMIUM UNDER MANAGEMENT**

Foundation Risk Partners, is strategically built on a solid foundation distinguished by **collaboration, excellence** and **client-focused partnerships**. We are a unique company comprised of industry leaders who redefine what clients should expect from their insurance brokers.

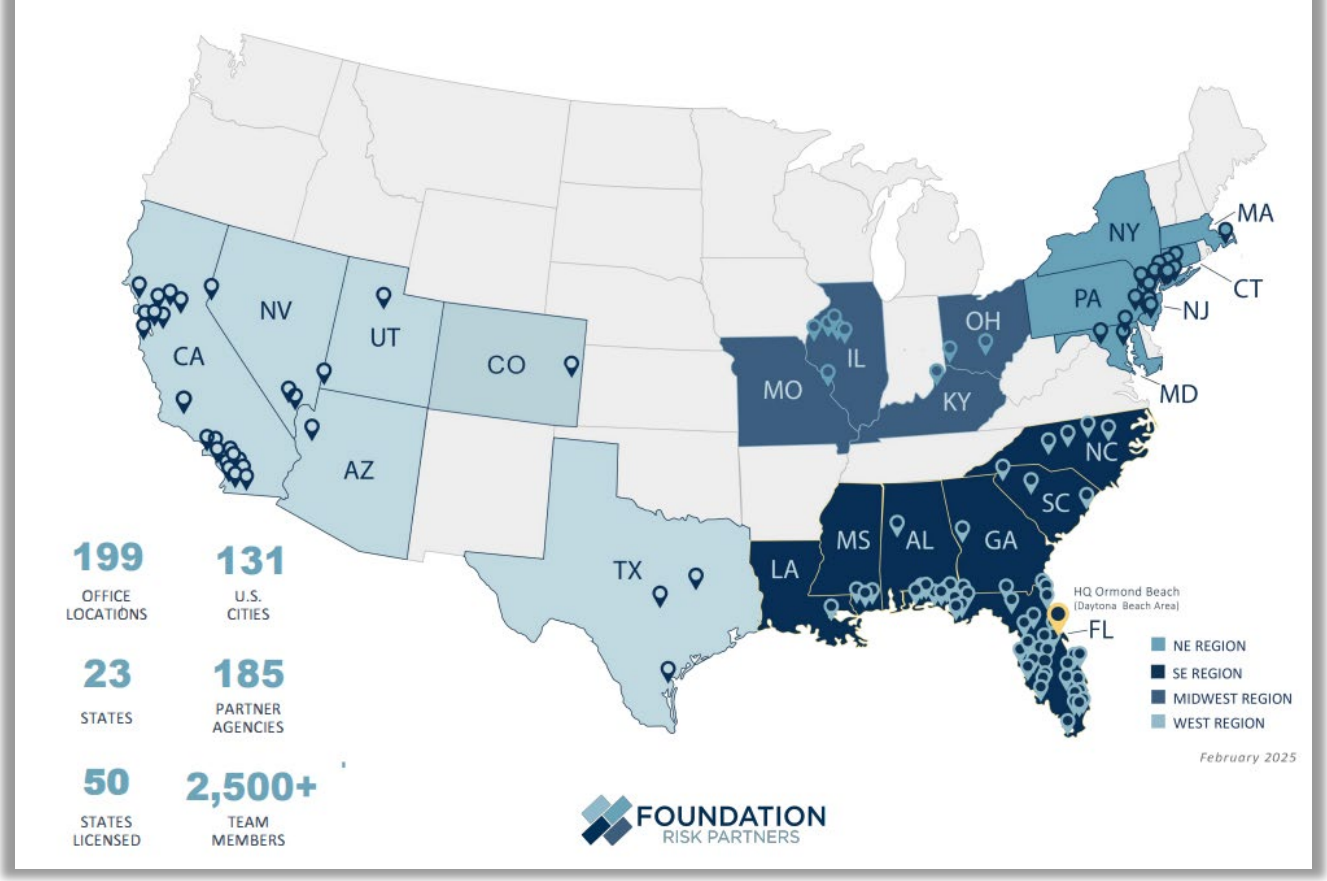
Headquartered in Ormond Beach, Florida, with over 190 locations across the U.S., Foundation Risk Partners provides services within the **employee benefits, property & casualty and personal lines** space, while also offering solutions in **life, surety** and other **special programs**.

Our **strategic growth** is rooted in the expertise of our selected partners and our **innovative approach** to surround clients with exceptional **data-driven resources** and a growing-team of 2,500+ professionals who are exceptional at analyzing risk exposure and providing solutions to **minimize potential risk**.

The Executive Team at Foundation Risk Partners represents more than 250 years of combined industry experience. Together with the talent, strength and culture of its diverse, community-caring team, Foundation Risk Partners continues to elevate its ranking as a **Top 20** insurance brokerage in the nation.

The **Financial Strength** of Foundation Risk Partners is backed by **Partners Group**, a leading global private markets firm. Since 1996, they have invested more than $195 billion USD in private equity, private debt, private real estate, and private infrastructure.

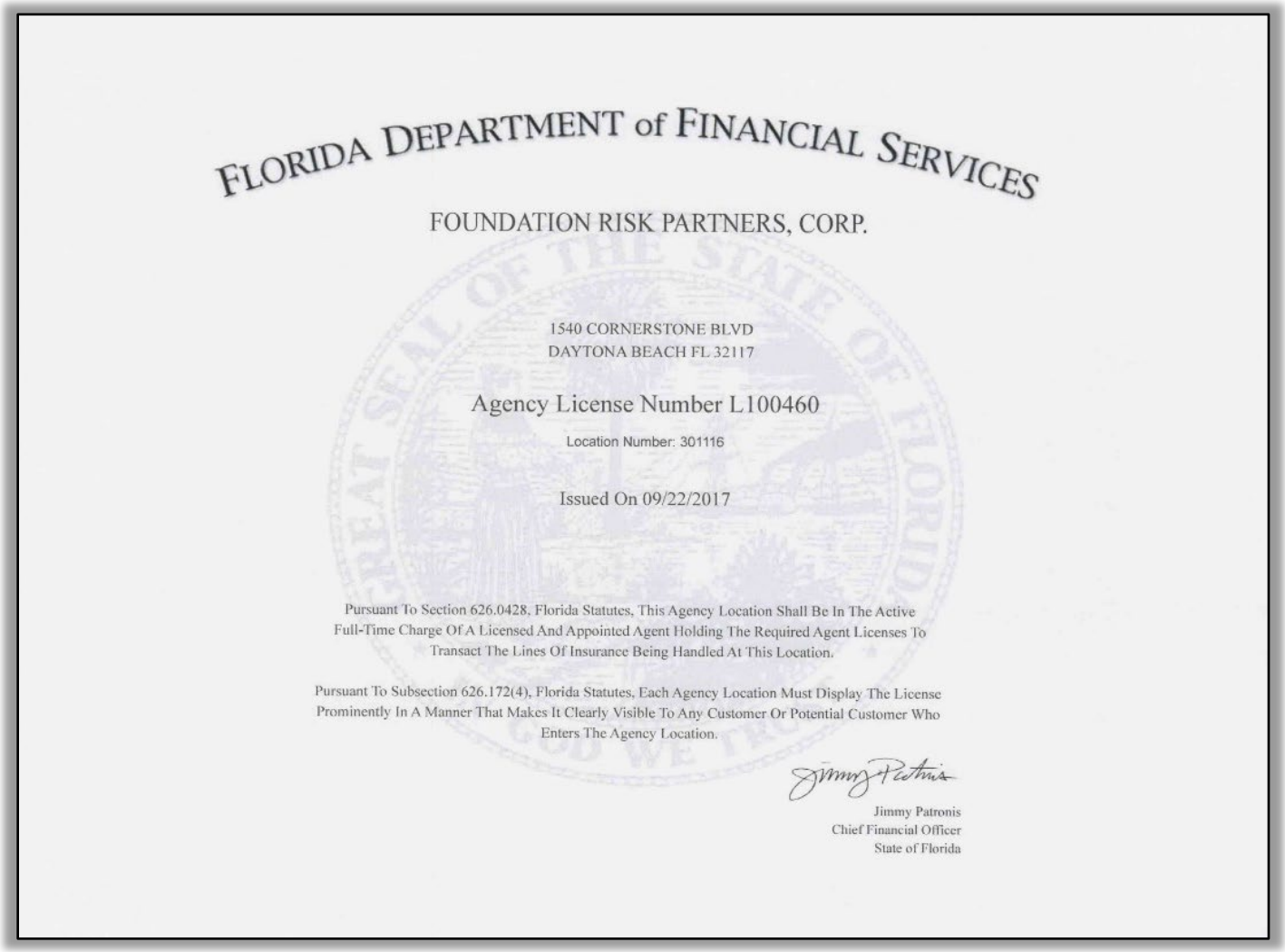
## FRP STRATEGIC FOOTPRINT



## 2. Be licensed to transact insurance brokerage business in the state of Florida.

We affirm that we are duly licensed and in good standing with the State of Florida. Please note we are pending an address change on our corporate insurance license below.

Please see our Certificate of Good Standing on the following page.



FLORIDA DEPARTMENT of FINANCIAL SERVICES

FOUNDATION RISK PARTNERS, CORP.

1540 CORNERSTONE BLVD
DAYTONA BEACH FL 32117

Agency License Number L100460

Location Number: 301116

Issued On 09/22/2017

Pursuant To Section 626.0428, Florida Statutes, This Agency Location Shall Be In The Active Full-Time Charge Of A Licensed And Appointed Agent Holding The Required Agent Licenses To Transact The Lines Of Insurance Being Handled At This Location.

Pursuant To Subsection 626.172(4), Florida Statutes, Each Agency Location Must Display The License Prominently In A Manner That Makes It Clearly Visible To Any Customer Or Potential Customer Who Enters The Agency Location.

Jimmy Patronis
Chief Financial Officer
State of Florida

# State of Florida
## Department of State

I certify from the records of this office that FOUNDATION RISK PARTNERS, CORP. is a Delaware corporation authorized to transact business in the State of Florida, qualified on February 24, 2017.

The document number of this corporation is F17000000884.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on February 27, 2025, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Seventeenth day of March, 2025*

*Secretary of State*

**Tracking Number: 1912817774CU**

**To authenticate this certificate,visit the following site,enter this number, and then follow the instructions displayed.**

**https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication**

3. **Demonstrate they have successfully provided similar broker services to at least three other municipalities of similar size in the state of Florida.**

Please see our FL client list on page 26 and our case studies on the following pages.

| Client Name | City of Winter Park |
|---|---|
| Name of contact | Keri Martin, Risk Manager |
| Contact Phone Number | 407-599-3390 |
| Contact Email Address | kmartin@cityofwinterpark.org |

| Client Name | City of Miami Gardens |
|---|---|
| Name of contact | Linda Bass, Risk Manager |
| Contact Phone Number | 305-622-8000 Ext. 2314 |
| Contact Email Address | lbass@miamigardens-fl.gov |

| Client Name | City of Fort Myers |
|---|---|
| Name of contact | Marva Kauth, Risk Manager |
| Contact Phone Number | 239-321-7065 |
| Contact Email Address | mkauth@cityftmyers.com |

4. **Services must have been provided in the past five years prior to the issuance of this RFP.**

We affirm services have been provided in the past five years prior to issuance of this RFP.

5. **Demonstrated ability and success implementing various risk management strategies to reduce premium costs while providing adequate insurance levels.**

We are pleased to provide case studies that illustrate the qualifications and experience of our Public Entity team in working with similar municipalities across the State of Florida.

We are pleased to provide case studies that illustrate the qualifications and experience of our Public Entity team in working with similar municipalities across the State of Florida.

## Ken Killgore

**Administrative Services Director/CFO, City of Sebastian**

*"Foundation Risk Partners is easily reachable and always willing and able to assist us with questions or concerns with our insurance programs. When we were unhappy with a denial of coverage for legal fees on a very prominent and political lawsuit, FRP interceded to set up a meeting with our insurance company officials that worked to our benefit. When it was necessary to conduct a formal bid for our insurance policies this year, FRP professionally conducted a competitive bid process for us, and we enjoyed a substantial cost savings. FRP has earned our trust, and we appreciate their expertise and client focused service."*

## Large Florida Hospital District:

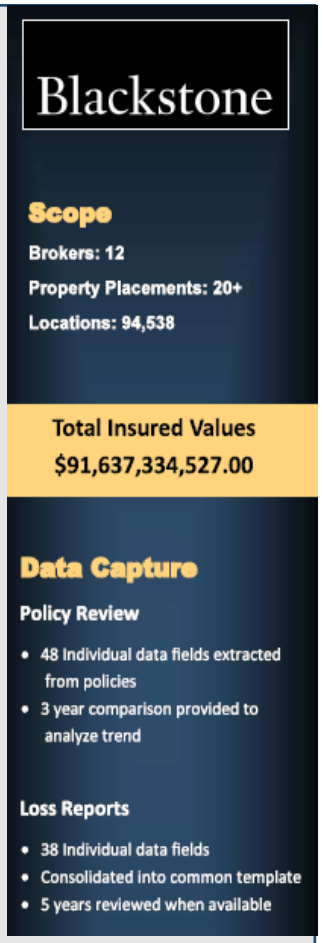
**Full Summary:** In our capacity as a broker, our team services all aspects of property insurance. Our process and increased leverage in the insurance marketplace resulted in 10% savings in a challenging market. This structure change also provided the District with freedom of choice for TPA and engineering services, resulting in more control of their insurance program. We continue to service in this capacity for the District with regard to servicing and placing all aspects of the $1.3 billion Total Insured Value program.

**Why it Matters to the City:**

- This district left the largest broker in the State of Florida and trusted us to leverage our experience and process in the marketplace.
- Our process created interest with insurers who have not felt that they have had a "fair shot" in 23 years.
  - These same insurers had declined to quote every year for the last 3 years at least.
- Our approach brought new capacity to drive deal tension.
- We increased data clarity and quality, allowing insurers to reclassify the Property as best in class and not middle of the pack.
- **We were able to reduce the District's deductible from $50,000,000 to as low as $1,000,000 in a Named Storm event.**
- This all started by listening to the District's needs and purchasing philosophy:
- Results:
  - Listened to our clients' needs and executed our plan.
  - Achieved a 10% decrease in cost.
  - Negotiated a program that included a coverage increase of as much as $49,000,000 in a Named Storm

## Blackstone/Revantage:

**Full Summary:** Our firm provided services to capture data from 24 different portfolios including loss data, policy information, and insurance data. We then consolidated this data and assisted with the presentation and tracking of the feasibility study to determine the viability of a captive. This process resulted in the formation of one of the largest property captives in the world. Our responsibilities continue to this day with overall consultation on the program as well as project management of the different workstreams associated with growing and maintaining the captive.




**Project Deliverables Phase I:**

- Make data easily accessible and identifiable to analyze underwriting data as a homogenous dataset viewed in multidimensional reporting configurations.
- Through consolidation of data, expeditiously enable a feasibility analysis.
- Evaluate data quality of all SOV's for sufficiency related to underwriting characteristics utilizing AIR data sufficiency analytics services.
    - **Analyzed and scrubbed data to improve modeling, lowering overall insurance costs.**
- Build a best-in-class RMIS platform and information storage to be a proactive negotiator during insurance renewals rather than reactive.
    - Turning data into negotiating power and leverage modelling and analytics to consistently outpace the insurance market.

**Why it Matters to the City:**

- Our process is tried and tested by one of the largest insurance purchasers in the world.
- Our forward-thinking strategies have resulted in decreases, while the rest of the market is continuing to elevate.
- We have positioned our clients to be in a position of strength every renewal, dictating terms and process, resulting in best-in-class outcomes.

**Example: West Florida School District**

**Relevant to the City:** The District bases their insurance purchase on the 1 in 250 Wind event modelling, and their AIR modelling depicted a loss level of $91 million. In our original review we recognized that their data set being sent for AIR modelling contained no updates to buildings, roofs, etc. Some of the information was outdated by 30+ years.

This caused a significant miscalculation in their results. These results drive their limit purchasing decisions, as well as the cost to purchase coverage. We met with their risk management team to articulate our findings and then brought in their building ops department for updated information.

**Result**: We were able to drive their PML down to $70 million by using correct and accurate data. **This resulted in 20% savings in a market where they were budgeting for a 10% increase**. These modeling results were achieved through AIR and RMS; both accepted by FEMA when determining adequacy of limits and monetary assistance.

**Case Study #1: Alan Florez, David Lodwick, and Ross Beach in coordination with our Fort Myers office**

**Entity**: City of Fort Myers

**Relevant to the City:** The City had two public entity brokers on the account. The property was placed in the IRP market with a wind limit of $10 million. The liability and workers' compensation coverages were through another pooling carrier. Our firm was selected to provide a competing quote.

**Full Summary:** The City of Fort Myers utilized their current broker to access the traditional commercial markets in 2019.

Their consultant requested our firm to approach the Florida Municipal Insurance Trust and allowed a third broker to approach PGIT to create competition and allow the City to obtain the best combination of services and pricing.

**Result:** The initial estimates to the City were for a single digit increase in costs. As a result of the deal tension created by introducing the FMIT as competition, the City achieved the following through our firm and the FMIT:

- **Two Year Rate Guarantee of Property, Liability, and Auto Coverage**
- A premium reduction of 7%
- An increase in the coverage for Named Windstorm from $10 million to $150 million
- An increase in All Other Perils coverage limit from $20 million to $150 million.
- A decrease in the property deductibles
- The inclusion of a Disaster Recovery Response team from the carrier to assist with property claim response as well as to integrate the claims process with any FEMA related claims on municipal property.
- Rate decreases on all lines of coverage

**Case Study #2: Alan Florez, David Lodwick, and Ross Beach in coordination with our Miami office**

**Entity**: City of Doral

**Relevant to the City:** The City went out to bid for Brokers Services, their largest concern was the amount of loss control and risk management services that they were receiving from their current broker/carrier.

**Result:** Moved from Brown & Brown and PGIT to Acentria Public Risk and the FMIT.

**Full Summary:** The bid for the City of Doral was for Broker Services as well as quotations. Acentria Public Risk partnered to bring a response to the City. During the City's review of bids, our program was recommended by staff after an extensive review of coverage and risk control services including an interview process with both programs. The City remarked that the combination of online services with a local risk control consultant would provide superior services than the current program.

**Case Study #3: All team members**

**Entity**: City of Miami Gardens

**Relevant to the City:** We were afforded the ability to review the City's program in 2019 before being the broker of record to attempt to find them savings late in the process.

**Result:** Moved from Brown & Brown and PGIT to Acentria Public Risk and the FMIT.

**Full Summary:** Our involvement drove their renewal pricing from their current market down by over $100,000. In addition to the savings secured for the City, we were able to better several key coverages. We have since been awarded the business.

- A premium reduction of 10% compared to expiring premium ($200,000 in savings) and a reduction of 7% ($130,000) over bound renewal price with PGIT.
- No minimum Named Storm Deductible restriction.
- Named Storm deductible applies per item instead of per location/bldg.
- Increase in Accounts receivables coverage ($500K vs. $250K)
- Increase in Business Income Coverage ($1.5Mil vs. $1Mil)
- Unlimited Aggregate coverage for Public Officials Liability (currently only $1Mil in agg. Cover)
- Unlimited defense for Public Officials Liability (currently defense coverage expires once a $1Mil claim is exhausted)
- Unlimited Aggregate coverage for Employment Practices Liability (currently only $1Mil in agg. Cover)
- Unlimited defense for Employment Practices Liability (currently defense coverage expires once a $1Mil claim is exhausted)
- The inclusion of a Disaster Recovery Response team from the carrier to assist with property claim response as well as to integrate the claims process with any FEMA related claims on municipal property.

**Case Study #4: Alan Florez, David Lodwick, and Ross Beach**

**Entity**: City of Apopka

**Relevant to the City:** The City had been with the same broker and program for years without a process to push their broker to provide the best pricing available. The City went to bid for pricing and services.

**Full Summary:** As part of our RFP response, we partnered with the FMIT to provide pricing and services proposal to the City. With our fee included, we were able to reduce the City's spend from **$1,078,839 to under $775,000. A savings of 28%!**

**Result:** Since being selected, the City has appreciated the increase in safety and loss control including a full safety report and audit of all locations (parks, buildings, and all city owned property), on-site and online training to further the City's push to mitigate cost and losses. The initial estimates to the City were for a double digit increase in costs. As a result of the deal tension created by introducing the FMIT as competition, the City achieved the following through our firm and the FMIT:

- A premium reduction of 28%
- A dedicated limit of insurance, not shared with other members of the "pool."
- A decrease in the property deductibles
- The inclusion of a Disaster Recovery Response team from the carrier to assist with property claim response as well as to integrate the claims process with any FEMA related claims on municipal property.

## City of Winter Park:

**Contract Start:** Selected as broker 10/1/2023 – taking over for Brown & Brown after 20+ years.

**Situation:** Property renewal. City staff expressed priorities for improvement during initial meetings and RFP process.

- Inaccurate Not To Exceed estimates
- Late Quotes
- Need for higher frequency of communication.
- Concern regarding cost clarity

**Renewal Process:** Meeting frequency: Bi-weekly, to weekly, then to twice a week.

**Property:**

- No valuation increases due to E2Value data provided by FRP at no additional cost.
- City was forced to a lower Loss Limit and a 70% increase in 2023.
    - After Data Scrub: Modeling provides confidence to lower loss limit further if preferred for a 12.5% savings.
    - City did not take lower limits but provided comfort in not increasing limits back to 2022 levels.
- Rate decrease of 4% (Not to Exceed was provided 75 days in advance of a 5% increase, continued communications and terms improvement communicated throughout process).

**Equipment Breakdown:**

- Identified stale information and TIV was increased by 100% with only a 4% increase YOY.
- Placed equipment breakdown policy direct, reducing commission paid to the wholesale broker (20% commission).
- Net 1% increase with 100% increase in coverage.

**All other lines increased by 1% YOY with increased exposures.**

**Why it matters to the City:**

- Our process was built based on the City's feedback.
- Secured a 4% decrease in this market due to data improvement and creating increased deal tension (FMIT & Parametric).
- Increased efficiency of market placement reducing wholesale compensation.

6. **The client executive assigned to the account must have a minimum of ten years of experience providing similar broker of record services to municipalities of similar size in the state of Florida and must be capable of speaking and making decisions on behalf of the firm. Additional support staff assigned to the city must have a minimum of five years of experience supporting municipalities in the administration of property and casualty insurance programs.**

We affirm that we meet these requirements.

| Name: | Account Role: | Experience: |
|---|---|---|
| Jonathan Jallad | Public Entity Sales Leader | 14+ Years |
| Jeff Seidl, CIC, CRM | Client Executive, Primary Contact | 15+ Years |
| Ross Beach, ARM-Public Entity | Director of Risk Management, Secondary Contact | 6+ Years |
| Stephanie Pignataro | VP Commercial Lines Agency Solutions | 6+ Years |
| Ashleigh Wood | Client Services | 6+ Years |

# Tab 3

# Background and Experience of Firm

1. **Describe the firm's experience working with municipalities of similar size in the state of Florida. Provide a list of all public employee/government clients for the past three years. Provide contact information for at least three municipal clients.**

We affirm that we meet this requirement. Please see our case studies starting on page 14.

**Public Entity Expertise:**
Foundation Risk Partners Public Entity Services is a specialty division that exclusively serves Florida's public entities. We provide cost effective solutions to meet the diverse insurance needs of Florida's governmental entities, including municipalities, counties, schools, special districts, and authorities. Our leadership has served both in local and State level government and our staff are subject matter experts in public sector insurance.

We speak "Public Entity" and draw from our experience from other public agencies to better serve you. We were built from the ground up to exclusively serve Florida public agencies, and our team is dedicated to public sector risk and employee benefits consulting. This focus was by design, as the nuances of local government and the risks/benefits local public agencies face are truly unique to not only government, but Florida government. Our team lives, eats, and sleeps Florida public entity and we love what we do.

Our consultants have public entity experience and technical skill sets that translate to better outcomes for our clients' specific municipal exposures. Foundation Risk Partners safety consultants will bring additional resources and value. They will develop an individualized loss control service plan by identifying the likelihood, frequency, and severity of risks our clients face.

We assess each organization's equipment, environment, and employees to identify likelihood, frequency, and severity of the risks they are exposed to and then create a systematic approach to control those exposures. Our consultants use an evidence-based approach to safety and health, and offer practical technical solutions, tools, and strategies to help reduce work-related employee injury and illness. We've found this approach can significantly improve your safety culture and productivity.

David Lodwick's experience managing the internal claims department for the Florida League of Cities, makes us experts in claims resolution as well as the complex nature of a municipalities responsibility to care for their residents and insure optimal financial outcomes.

The Public Entity Practice is led by Alan Florez and David Lodwick, who proudly served both State and local government in Tallahassee and Palm Beach County. In their careers, they have been fortunate to provide risk management programs to over 500 public entities of all sizes from the State University System to counties from the very largest to the very smallest and several county governments in over half of the State's counties.

**FRP Contact Information for 3 Municipal Clients:**

| Client Name | City of Winter Park |
|---|---|
| Name of contact | Keri Martin, Risk Manager |
| Contact Phone Number | 407-599-3390 |
| Contact Email Address | kmartin@cityofwinterpark.org |

| Client Name | City of Miami Gardens |
|---|---|
| Name of contact | Linda Bass, Risk Manager |
| Contact Phone Number | 305-622-8000 Ext. 2314 |
| Contact Email Address | lbass@miamigardens-fl.gov |

| Client Name | City of Fort Myers |
|---|---|
| Name of contact | Marva Kauth, Risk Manager |
| Contact Phone Number | 239-321-7065 |
| Contact Email Address | mkauth@cityftmyers.com |

- Master Builders' Risk Program
- Disaster Recovery
- Catastrophe Modeling & Analysis
- Data Quality Analysis
- Claims Coordination & Advocacy
- Multiple Carrier Program Structure
- Individual Risk Placement
- Pooled Risk Placement

## Property Program Experience

**Lead:** Alan Florez, EVP

The Foundation Risk Partners team has extensive experience in the design and implementation of property insurance programs. This experience also extends to the recovery process including FEMA coordination of insured losses. Success stories and experience includes:

- Established a dedicated property insurance tower of insurance that includes 4 School Districts within a large public entity insurance trust.
- Established a dedicated Recovery Management program that coordinates recovery and insurance claims for public entities that also includes FEMA coordination.
- Analysis of data quality to ensure accuracy of modeling results and potential risk in catastrophic events.
- Utilization of accurate modeling data to improve/reduce insurance spend.
- Utilization of Parametric insurance markets to eliminate property policy coverage gaps and reduce retained risk.
- Utilization of Capital Markets to increase potential capacity of re-insurance.

- Risk Retention Analysis
- Cause of Loss analysis
- Coordination of Risk Control w/ Cause of Loss
- Risk Retention Strategies
- Claims Advocacy

## Auto & Liability Program Experience

**Lead:** David Lodwick, CRM, CIC

The Foundation Risk Partners team will assist City staff through the analysis of previous losses and the proactive coordination of various Risk Control strategies and training. The team additionally can support the City's Risk Management team with claims assistance and advocacy through both our Legal Staff and Risk Management specialists.

**Experience:**

- Assisted multiple municipalities in increased Risk Control training schedules in areas such as Active Shooter training and Employment issues including Harassment and Diversity training modules.
- Assisted large municipalities in determining the correct risk retention strategies to minimize the total spend for claims and insurance.
- Expanded contractual risk transfer opportunities through contract reviews and reduced liability exposure to municipalities.

- Employee Training
- Risk Control
- Risk Retention Analysis
- Fraud Detection & Investigation
- Risk Retention Strategies

## Workers' Compensation Program Experience

**Lead:** David Lodwick, CRM, CIC

The Foundation Risk Partners team has extensive experience with assisting large municipalities in the comprehensive analysis and design of cost effect workers compensation programs. Success stories include:

- Assisted a County Sheriff in implementation of an outcome-based physician network for treatment of workplace injuries and exposures.
- Assisted a municipal pool with implementation of an improved in-hospital discount program to reduce large workers compensation losses.
- Assisted with implementation of anti-fraud detection and training of adjusters and coordination with carrier anti-fraud units to reduce fraudulent public entity workers compensation claims.
- Implemented proactive training programs to reduce the incident rate of workplace injuries.

- Sovereign Immunity
- Contractual Risk Transfer & Contract Review
- Labor & Employment Issues
- Review of Claims Settlement Recommendations
- Review of Compensability Claims

## Legal Support & Advocacy

**Lead:** Debbie Tappin, Vice President of Claims Services

The Foundation Risk Partners team relies on the assistance of a very well credentialed and experienced legal team in the area of insurance contract reviews, contractual risk transfers, sovereign immunity, employment & labor issues and review of compensability of claims. This expertise makes our team effect in claims advocacy for our public entity clients.

- In conjunction with the Florida Municipal Insurance Trust, our staff provides the most pertinent legislative and legal updates to our public entity clients on an ongoing basis.
- Counsel is provided by attorneys with experience as claim supervisors for the largest insurance carriers in the world including ACE & ASIC
- Our legal team has specific municipality experience for current clients as well as in the past while in private Practice:
  - **St John's County School District**: Tom Leek served as Outside Chief Litigator and provided Employment Training for 20+ years
  - **City of Niceville**: Works with City attorney regarding compensability issues
- Legal team is led by an attorney with 25 Years of providing expert of practicing in Employment Labor Law

## Public Entity Clients
## Florida

### City/Town/Village:

- Alford, Town of
- Altha, Town of
- Apopka, City of
- Arcadia, City of
- Aventura, City of
- Bal Harbour Village
- Chattahoochee, City of
- Deltona, City of
- Destin, City of
- Doral, City of
- Fort Myers, City of
- Havana, Town of
- Hillsboro Beach, Town of
- Lantana, Town of
- Lauderhill, City of
- Lauderdale by the Sea, Town of
- Mary Esther, City of
- Miami Beach, City of
- Miami Shores, Village of
- Niceville, City of
- North Bay Village
- North Miami, City of
- North Miami Beach, City of
- Ormond Beach, City of
- Panama City Beach, City of
- Parker, City of
- Port St. Joe, City of
- Quincy, City of
- Sebastian, City of
- Sunrise, City of
- Titusville, City of
- Valparaiso, City of
- Wauchula, City of
- Windermere, Town of
- Winter Garden, City of
- Winter Park, City of

### School District:

- Calhoun County Public Schools
- Charlotte County Public Schools
- DeSoto County School District
- Gadsden County School District
- Hamilton County School District
- Hardee County School District
- Hendry County School District
- Jackson County School District
- Okaloosa School District
- Suwannee County School District

### Other County Clients:

- Calhoun County BOCC
- Franklin County BOCC
- Gadsden County BOCC
- Gulf County BOCC
- Hardee County BOCC
- Jackson County BOCC
- Lafayette County BOCC
- Taylor County BOCC
- Washington County BOCC

### Additional Entities:

- Baker Fire District
- Crestview Housing Authority
- Destin Fire Control District
- Florida Health Care Plans
- Florida Keys Mosquito Control District
- Halifax Health
- Lakeland Area Mass Transit District
- New Smyrna Beach Utilities
- North Bay Fire Control District
- Northwest Florida Water Management District
- Ocean City Wright Fire Control District
- Okaloosa Island Fire Control District
- Osceola Clerk of Court
- Panama City Downtown CRA
- Panama City Downtown North CRA
- Panama City Millville CRA
- Panama City St Andrews CRA
- Quincy Gadsden Airport Authority
- South Walton Mosquito Control District
- Suwannee Valley Transit Authority
- Tice Fire Control District

## Public Entity Clients
## Outside of Florida

**New Jersey:**

- Bayonne Board of Education
- Bayonne, City of
- Brick, Township of
- Hoboken, City of
- Irvington Board of Education
- Irvington, Township of
- Jersey City Board of Education
- Keyport, Borough of
- Livingston, Township of
- Lopatcong, Township of
- Mendham Borough Board of Education
- Morristown, Town of
- Newark Board of Education
- Newark, City of
- North Jersey District Water Commission
- Orange, City of
- Passaic Board of Education
- Passaic Valley High School Board of Education
- Passaic Valley Water Commission
- Passaic, City of
- Passaic, County of
- Red Bank, Borough of
- RWJ Barnabas
- Totowa Board of Education
- Vernon, Township of
- Warren, County of
- West Orange, Township of
- Wood Ridge, Borough of

**Indiana:**

- City of Crown Point
- City of Muncie
- City of Scottsburg
- Crawford County Schools
- East Washington School Corp
- Floyd County Community Action Agency dba Floyd County Head Start
- Lake County Convention and Visitors dba South Shore Convention & Visitors Authority

**North Carolina:**

- Davie County Government
- Durham County Government
- Durham, City of
- Fuquay Varina, Town of
- Garner, Town of
- Hope Mills, Town of
- Lillington, Town of
- Selma, Town of
- Spring Lake, Town of
- State Employee Association of North Carolina
- Zebulon, Town of

**Kentucky:**

- Bluegrass Regional Water
- Breathitt County Library
- City of Spring Mill
- Greenup County Health Department
- Harrison County Planning Commission
- Housing Authority of Maysville
- Housing Authority of Vanceburg
- Local Health Department dba Kentucky Health Depts.
- Louisville & Jefferson County Visitors & Convention Commission
- Marion County Fiscal Court
- Oldham County Fiscal Court

**2. Provide resumes for the firm owners, key management personnel, and dedicated account team including account executive, client representatives, and any other administrative support personnel interacting with the city.**

## FRP'S EXECUTIVE TEAM LEADERSHIP



### Charlie Lydecker

Chairman/CEO, Foundation Risk Partners

Led by Charlie Lydecker, the experience of the Executive Leadership Team at Foundation Risk Partners includes publicly traded insurance intermediaries, best-in-class regional brokers and specialty distributors. The collaborative result is a leadership team that is relentlessly focused on continuing to develop a sales organization where everyone can be the most successful while being exceptional at analyzing risk exposure and providing the best solutions for our clients. ♦

**John Turner**
*Chief Operating Officer, Foundation Risk Partners*

**Chris Bell**
*Chief Administrative Officer, Foundation Risk Partners*

**Thomas Tinsley**
*Co-Founder / Senior Advisor, Foundation Risk Partners*

**Ben Barbieri**
*Chief Acquisition Officer, Foundation Risk Partners*

**Natalie Corbett**
*Chief Human Resources Officer, FRP*

**Kevin Mason**
*President of Southeast Region, Foundation Risk Partners*
*CEO/Co-Founder, Acentria*

**Mary Lawless**
*COO of Southeast Region, Foundation Risk Partners*
*President, Acentria*

**Tom Leek**
*Chief Legal Officer / EVP, Foundation Risk Partners*

**Jeff Leonard**
*Chief Financial Officer, Foundation Risk Partners*

**Alan Florez**
*Chief Sales Officer / EVP, Foundation Risk Partners*

**Rich Dinan**
*Chief Information Officer, Foundation Risk Partners*

**Mike Lisa**
*National Benefits Sales Leader, EVP*
*Co-President/CEO, Corporate Synergies*

**Andrew Bloom**
*National Benefits Operations Leader, EVP*
*Co-President/CEO, Corporate Synergies*

**Paul LaRubbio**
*SVP of Finance, Foundation Risk Partners*



**Name of Member:** Jeffrey Seidl, CIC, CRM
**Office Address & Telephone Number:** 407-612-6390
485 North Keller Road, Suite 101
Maitland, FL 32751
**Formal Education:** B.S. in Risk Management Insurance from Florida State University
**Licenses Maintained in Florida:** 2-20 Resident General Lines Insurance Agent
**Years of Commercial Lines Experience (Florida):** 30+ Years
**Professional Designations:** CIC, CRM

**Employment History:**

- Senior Vice President, Foundation Risk Partners | 6 Years
- Brown and Brown of Florida | 25 Years
    - Prior to joining Foundation Risk Partners, he was responsible for a retail brokerage office with over 170M in annualized premiums, 75 employees and consistently finished in the top 10% of offices throughout the country for the Nation's sixth largest insurance intermediary.

**Philanthropic & Business Organizations:**

- *Junior Achievement of Central Florida* – Board of Directors (2013 - Present)
- *FSU Risk Management and Insurance Executive Council* – Executive Council Member (2019 - Present)

**Current Job Responsibilities:**
Jeff is a highly accomplished commercial property & casualty insurance executive with over 32 years of industry expertise. He specializes in a comprehensive range of commercial insurance coverages including property, general liability, automobile, workers compensation, Directors & Officers Liability, EPLI, professional liability and cyber liability insurance.

As a key leader at Foundation Risk Partners, Jeff leverages his extensive sales experience to help drive strategic growth and deliver tailored risk management solutions for his clients. In addition, he plays an integral role in shaping the next generation of industry professionals through company recruiting efforts and leads the Foundation Risk Partners Property & Casualty Sales Academy where he focuses on training and developing future sales leaders. Prior to this he led a high performing property & casualty and employee benefits retail brokerage office where under his leadership the office consistently ranked in the top 10% nationwide for the 6th largest insurance intermediary in the United States.

**Expected Job Responsibilities for the City's Insurance Program:**
As the primary contact assigned to the City, Jeff's role includes risk management advise as needed, as well as coordinating all the services and resources put forth in this FRP. Jeff will lead our team in all aspects of our scope of services; coordinate renewal strategies, insurance contract review, claims advocacy and management, claims analysis, market updates, establish service calendar, execute deliverables, stewardship maintenance and review, etc.



| | |
|---|---|
| **Name of Member:** | Jonathan Jallad, CLCS |
| **Office Address & Telephone Number:** | 407-775-7350<br>780 W. Granada Blvd.<br>Ormond Beach, FL 32174 |
| **Formal Education:** | B.A. from University of Central Florida |
| **Licenses Maintained in Florida:** | 2-20 Resident General Lines Insurance Agent |
| **Years of Commercial Lines Experience (Florida):** | 14+ Years |
| **Professional Designations:** | CLCS |
| **Professional Memberships:** | Central FL PRIMA, FCCMA |

**Employment History:**

- Foundation Risk Partners Public Entity Services/Acentria Public Risk | 2021 - Current
  - Vice President-Sales Leader for Public Risk
  - Responsible for all public entity new sales for the State of Florida- Property & Casualty and Employee Benefits, developing and maintaining carrier relations, governmental relationships, agent recruitment and executing our strategic growth plan.
- LSJ Insurance Agency, Inc. DBA ISU Jallad Insurance Services | 10 Years
  - Founder/Owner, Vice President, and Sales Producer for Public Entity Insurance. Responsible for new sales, customer management/experience, risk management brokerage and advisory.
- Accredited Surety and Casualty Company, Inc. | 3 Years
  - Assistant Vice President, Bail Marketing
  - Responsible for recruiting agents and maintaining the book of business nationwide working directly with the Vice President of Marketing.

**Current Job Responsibilities:**
In Jonathan's current role, he is responsible for the growth and operation of FRP Florida Public Entity Services (Employee Benefits & Property, Casualty & Risk Management). In addition to the supervision of sales and service, Jonathan acts as primary broker to his public sector clients which include municipalities, schools, utilities, and special districts. He also assists with carrier relationships, program development, design and placement stewardship and negotiation to all FRP's public entity clients.

**Expected Job Responsibilities for the City's Insurance Program:**
Jonathan will manage the service team dedicated to the City. He will oversee the design, negotiation, and placement of program. He will manage and support the team to successfully execute the City's strategic risk management and financial goals in coordination with City staff.



**Name of Member:** Alan Florez
**Office Address & Telephone Number:** 386-455-0128
780 W. Granada Blvd.
Ormond Beach, FL 32174
**Formal Education:** B.S. from University of Central Florida
**Licenses Maintained in Florida:** 2-20 Resident General Lines Insurance Agent
**Years of Commercial Lines Experience (Florida):** 20+ Years

**Employment History:**

- Chief Sales Officer, Foundation Risk Partners | 2021 - Current
- EVP, Member of the Executive Committee for Foundation Risk Partners | 2017 - Current
- Brown and Brown of Florida, Inc. | 2005 - 2016
    - EVP, Brown & Brown of Florida, Daytona Beach Retail Office
        - Head of the largest retail office for Brown & Brown
    - EVP, Public Risk Insurance Agency
        - Head of the largest public entity retail specialist in the State of Florida
        - Broker for the first two largest School Districts of the PGIT School Board Tower
        - Presentation & Team Leader for the acquisition of the State Risk Management Trust Fund
        - Creation of the State University System, Master Builder's Risk Insurance Program
    - Account Executive
- Director of Legislative Affairs and Special Assistant to Governor Jeb Bush | 2001 - 2005

**Philanthropic & Business Organizations:**

- Former Member of the Board of Trustees – University of Central Florida, UCF
- Former Member, Board of Directors of the UCF Foundation
- Former Member, Board of Directors, Futures Foundation for Volusia District Schools
- Member, Board of Directors, Daytona Regional Chamber of Commerce
- Member, The Florida Council of 100
- Member, Halifax Health Board of Commissioners

**Current Job Responsibilities:**
In Alan's current role, he is responsible for the growth and operation of Foundation Risk Partners globally. In addition to the supervision of sales and service, Alan assists with carrier relationships, program development, design and placement stewardship and negotiation to all FRP's public entity clients.

**Expected Job Responsibilities for the City's Insurance Program:**
Large property practice leader, Alan will help lead the design of the property brokerage and placement in conjunction with Jonathan Jallad, Jeff Seidl, David Lodwick, and Ross Beach. Alan will lend his experience in personally placing over $5B of property insurance for public entities as a broker to assure optimal pricing, terms, and conditions.



**Name of Member:** David Lodwick, CRM, CIC
**Office Address & Telephone Number:** 386-281-3791
780 W. Granada Blvd.
Ormond Beach, FL 32174
**Formal Education:** B.S. in Chemical Engineering from The Ohio State University
**Licenses Maintained in Florida:** 2-20 Resident General Lines Insurance Agent
**Years of Commercial Lines Experience (Florida):** 30+ Years
**Professional Designations:** CIC, CRM
**Professional Memberships:** PRIMA

**Employment History:**

- Director of Trust Services, Florida League of Cities | 9 Years
  - Assisted with the excess placement and negotiation for a $100M in premium insurance program.
  - Provided supervision of claim services.
  - Assisted members with retention levels and program structure.
  - Directed Disaster Recovery Symposiums to train staff.
  - Consulted and provided guidance to improve property schedules and values to improve the Probable Maximum Loss results for several members.
- Partner, Insurance Offices of America | 15 Years
- Mayor of Royal Palm Beach | 17 Years
- Chairman, Board of Directors, Florida Municipal Insurance Trust | 5 years

**Current Job Responsibilities:**
David serves in multiple roles for the Foundation Risk Partners team. David deploys his extensive knowledge in pooled insurance structures, public entity coverages, claims, and loss control to guide the development of the public entity practice and ensure a best-in-class program for each of our clients. As a former mayor, David is also an expert in Sunshine Law and the Stafford Act. As a leader within the Florida League of Cities, David was tasked with providing industry insight and risk management presentations/information for all their members. This knowledge is invaluable as we navigate the insurance marketplace for our clients and assist with best practices, placement/design, as well as risk mitigation strategies.

**Expected Job Responsibilities for the City's Insurance Program:**
Mr. Lodwick will be assisting in claims management, risk management guidance, and development. In addition, he will continue to push our organization to be on the forefront of emerging trends among public entities in the state of Florida. David is uniquely qualified in evaluating the City's program. His knowledge of reinsurance, excess markets, capital markets and how they are utilized to provide individual risk placement coverage and how they form the structure of pooled risks will provide a sophisticated and best in class recommendation to the City. This background assisted in the placement of the largest pool in the State of Florida for municipalities and for the preparation of a captive analysis for a $90B property portfolio.



**Name of Member:** Ross Beach, ARM-P
**Office Address & Telephone Number:** 386-281-3769
780 W. Granada Blvd.
Ormond Beach, FL 32174
**Formal Education:** B.S. in Biology/Pre-Med from Armstrong Atlantic State University
**Licenses Maintained in Florida:** 2-20 Resident General Lines Insurance Agent
**Years of Commercial Lines Experience (Florida):** 10+ Years
**Professional Designations:** ARM-P

**Employment History:**

- Director of Risk Management and Public Entity Specialist, Foundation Risk Partners | 2018 - Current
  - Under the deadline of a two-month timeline, Ross led a data project for the consolidation of 22 insurance placements for 12 brokers representing $90B in TIV in Origami RMIS. This data is currently being utilized to create a Captive for a large publicly traded company.
  - Serves as the account management point of contact for the public entity practice serving 3 regions and 17 public entity professionals throughout the State of Florida.
- Manager, Community Insurance Services, Brown and Brown of Florida in Daytona Beach | 2 Years
- Commercial Insurance Advisor, Brown and Brown of Florida | 4 Years

**Philanthropic & Business Organizations:**

- Past Member of The Board of Directors for the Ormond Beach Chamber of Commerce
  - Tasked with continuing to lead the chamber in driving economic activity and stability in Ormond Beach, FL.

**Current Job Responsibilities:**
Ross facilitates the deployment and implementation of all resources and services to ensure proper stewardship and management of daily administrative services. Ross' responsibilities include engaging our in-house risk and safety specialist, overseeing of claim resolution, measuring deliverables of account management, performing policy reviews, and satisfying carrier requirements for administration of policies and renewals.

**Expected Job Responsibilities for the City's Insurance Program:**
Ross will provide the exact job responsibilities described above to ensure the proper execution of the design and placement phase and the post placement administrative tasks. He will ensure best practices for the public sector team on program design. His depth and understanding of big data, analytics and risk modeling will be utilized throughout the relationship with the City.



**Name of Member:** Debbie A. Tappin
**Office Address & Telephone Number:** 850-424-2718
780 W. Granada Blvd.
Ormond Beach, FL 32174
**Formal Education:** B.A. in Political Science, University of Michigan
J.D. Albany Law School of Union University
**Licenses Maintained in Florida:** All Lines Resident Adjustor

**Employment History:**

- Foundation Risk Partners I Ormond Beach, FL
  - Vice President of Claims
  - In this role, Debbie oversees a team of claims analysts advocating for our clients. This role includes legal and claims expertise regarding compensability, coverage applicability, claims reporting/review, and all other aspects of our client claim advocacy.
- Citizens Property Insurance Corp I Tampa, FL
  - Independent Claims Consultant
- State Farm I Bloomington, IL
  - Independent Claims Consultant
- American Safety Insurance Company I Atlanta, GA
  - Claims Manager
- Bridgeworks Commercial Management I Tucker Georgia
  - Client Services Manager
- ACE USA I Roswell, GA
  - Chief Claims Specialist
- Zurich North America Insurance Group I New York, NY
  - Claims Analyst
- American International Group (AIG) I New York, NY.
  - Claims Analyst
- Martin, Clearwater & Bell I New York, NY.
  - Legal Associate
- White, Fleischner & Fino I New York, NY
  - Legal Associate

**Current Job Responsibilities:**
Debbie assists and oversees claims advocacy for our clients. In addition to this, Debbie's legal background allows her to spearhead insurance contract reviews, contractual risk transfers, sovereign immunity, employment & labor issues, and review of compensability of claims.

**Expected Job Responsibilities for the City's Insurance Program:**
Debbie is expected to service within the same role for the City, if selected.



**Name of Member:** Stephanie Pignataro
**Office Address & Telephone Number:** 386-317-5938
780 W. Granada Blvd.
Ormond Beach, FL 32174
**Formal Education:** B.S. in Business Administration, Purdue University Global
**Licenses Maintained in Florida:** 2-20 Resident General Lines Insurance Agent
**Years of Commercial Lines Experience (Florida):** 15+ Years

**Employment History:**

- VP of Commercial Lines Agency Solutions, Foundation Risk Partners | 1 Year
- VP of Agency Operations/VP of Quality Control, Foundation Risk Partners | 1 Year
- Director of Agency Operations, Foundation Risk Partners | 3 Years
- Commercial Lines Senior Team Leader, Foundation Risk Partners | 1 Year
- Commercial Line Team Leader at Brown and Brown of FL, Daytona Beach | 5 Years
- Commercial Lines Account Manager at Brown and Brown of FL, Daytona Beach |2 Years
- Commercial Lines Technical Assistant at Brown and Brown of FL, Daytona Beach |2 Years

**Philanthropic & Business Organizations:**

- *Crime Stoppers of Northeast Florida, Inc.* – Board Member (2020-present), Board Treasurer (2022-2024), Board President (2024-2026)
- *Daytona Beach Police Foundation, Inc.* – Board Member (2019-2022), Board Secretary (2020-2022)
- *Community Partnership for Children* – Annual Holiday Toy Drive Sponsor of 50+ Children (2020-present)
- *Daytona Beach German Shepherd Rescue* – Volunteer and Foster (2016-present)
- *The Daytona Beach News-Journal* – Most Influential Women in Business Honoree (2020)
- *The Daytona Beach News-Journal* – Top 40 under 40 Young Professionals Honoree (2021)
- *Insurance Business America – The Best Insurance Professionals Under 35 in the USA (Rising Star 2023)*

**Current Job Responsibilities:**
Her current responsibilities include directly assisting Jeff Seidl, Jonathan Jallad, and Ross Beach with service-related items (certificates, change requests, special event placements, auto ID cards, endorsements, policy checks, updates to schedule and other daily administrative needs). Stephanie's commitment to her clients, and ability to diagnose and solve problems effectively and efficiently is a tremendous asset to our public entity clients. As a team leader Stephanie is a highly trained and experienced account manager, relied upon for our most challenging and complex risk management clients.

**Expected Job Responsibilities for the City's Insurance Program:**
Stephanie will serve as oversight on all operations and day-to-day service.

FOUNDATION RISK PARTNERS

# NINO GALLINI

## LOSS CONTROL DIRECTOR

## Nino Gallini

Nino brings more than 18 years of insurance experience to Foundation Risk Partners (FRP) with an expertise on safety and loss prevention. He is responsible for the development, implementation and application of FRP's Loss Control program.

Nino takes a comprehensive approach to identifying and satisfying the needs of clients by applying health and safety principals and utilizing carrier and vendor based resources. His methodology provides great value to our clients by yielding solutions with guidance to minimize current and unforeseen problems.

After earning dual Bachelor of Science degrees from the University of Central Florida in Engineering Technologies Operation and Engineering Technologies Design, Nino launched his career as an Industrial Engineer for a Heating and Air Conditioning Contractor in Central Florida. He holds the Associate in Risk Management (ARM) professional designation, is a member of American Society of Safety Professionals (ASSP) and is a certified OSHA Construction Trainer. In addition to all of this, Nino has been published in the Human Factors and Ergonomics Society Journal, has extensive experience with multi-state account management within a variety of industries and is bilingual in English and Spanish. Foundation Risk Partners is proud to have leadership like Nino Gallini on their national Commercial Lines team to assist agency partners and their clients in protecting what matters most to them. ◆



"Our goal is to reduce your overall insurance costs by mitigating workplace related exposures, injuries and illnesses."

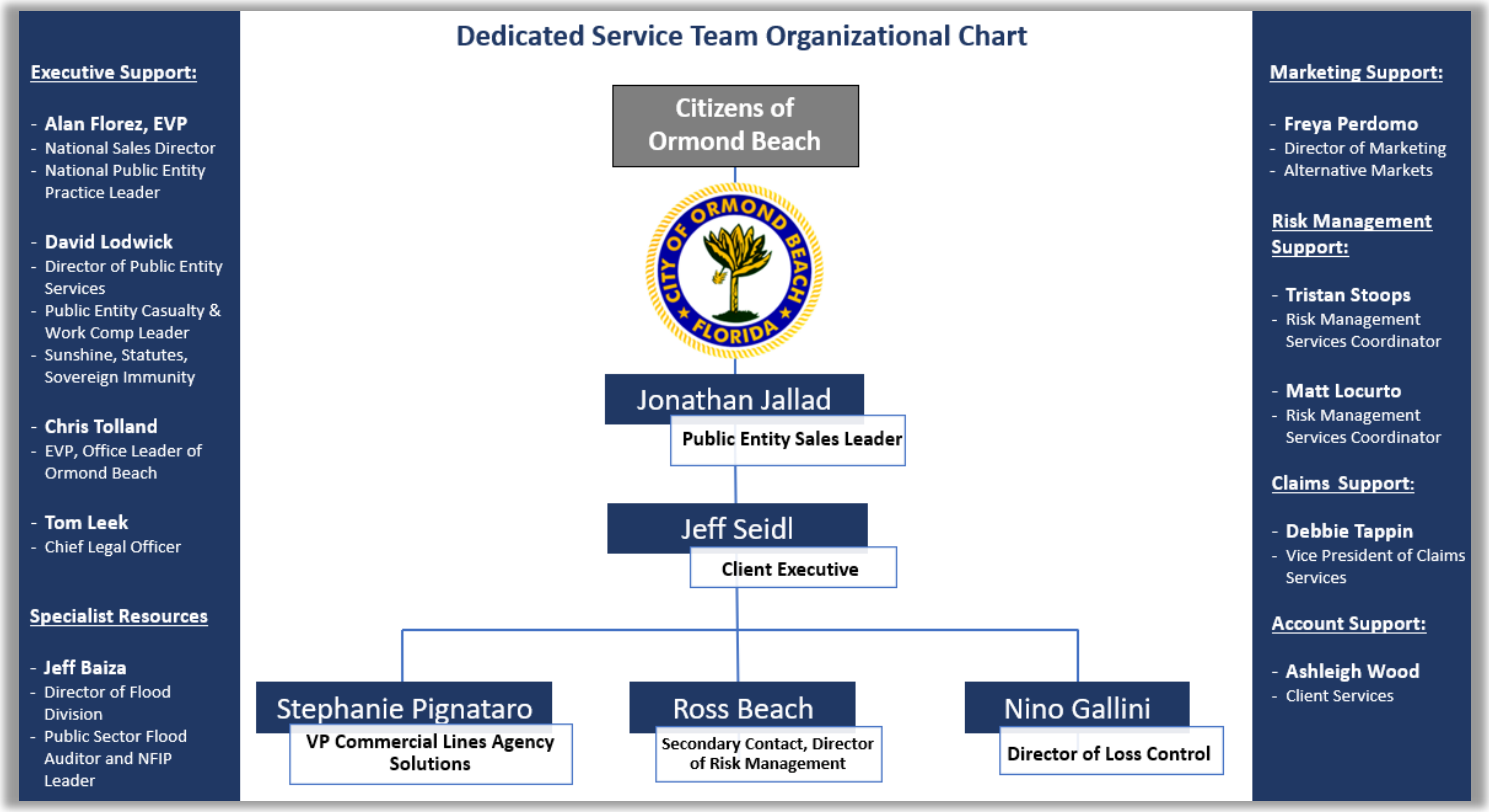
*Nino Gallini*
*Loss Control Director*
*Foundation Risk Partners*

**Nino Gallini,** ARM
Loss Control Director, SE
Foundation Risk Partners
780 W. Granada Blvd.
Ormond Beach, FL 32174
Safety@FoundationRP.com
Cell 407.635.7488 Fax
386.868.3480 FoundationRP.com

FOUNDATION RISK PARTNERS

### 3. Provide an organizational chart showing reporting structures for all key staff and dedicated team members.

Claims, loss control, additional analytics, and day-to-day services are handled through our national headquarters located at 780 W. Granada Blvd., Ormond Beach, FL 32174. Through our integrated system and team structure, our firm can be up and running from any location, as well as remotely. While each team member has specialties and experience that they bring to the City, we work on an approach that allows the City to maintain service requests through a single contact as they become familiar with our team.




| Name/Title | Phone | | Email | Office Location |
|---|---|---|---|---|
| **Jonathan Jallad**<br>Public Entity Sales Leader | Direct<br>Cell | (407) 775-7350<br>(407) 864-1983 | jonathan.jallad@foundationrp.com | 780 W. Granada Blvd<br>Ormond Beach, FL 32174 |
| **Jeff Seidl, CIC, CRM**<br>Client Executive | Direct<br>Cell | (407) 612-6390<br>(321) 229-2665 | jseidl@foundationrp.com | 485 N. Keller Road, Suite 101<br>Maitland, FL 32751 |
| **Ross Beach, ARM-Public Entity**<br>Director of Risk Management | Direct<br>Cell | (386) 281-3769<br>(407) 234-8389 | rbeach@foundationrp.com | 780 W. Granada Blvd<br>Ormond Beach, FL 32174 |
| **Stephanie Pignataro**<br>VP Commercial Lines Agency Solutions | Direct<br>Cell | (386) 317-5938<br>(386) 341-6678 | spignataro@foundationrp.com | 780 W. Granada Blvd<br>Ormond Beach, FL 32174 |
| **Ashleigh Wood**<br>Client Services | Direct | (386) 317-4117 | awood@foundationrp.com | 780 W. Granada Blvd<br>Ormond Beach, FL 32174 |

**4. Include three professional references for the individual designated to serve as the city's primary point of contact.**

Please see below references for the individual designated to serve as the City's primary point of contact.

| Client Name | The City of Winter Park |
|---|---|
| Name of contact | Keri Martin, Risk Manager |
| Contact Phone Number | 407-599-3390 |
| Contact Email Address | kmartin@cityofwinterpark.org |

| Client Name | Community Coordinated Care for Children |
|---|---|
| Name of contact | Pat Frank, Executive Director |
| Contact Phone Number | 407-532-4124 |
| Contact Email Address | pefrank@4cflorida.org |

| Client Name | Jersey College |
|---|---|
| Name of contact | Greg Karr, President |
| Contact Phone Number | 201-893-6211 |
| Contact Email Address | gkarr@jerseycollege.edu |

# Tab 4

# Scope of Services

1. **Contact Property & Casualty insurance providers on behalf of the City to resolve issues that may arise throughout the year as needed. The City of Ormond Beach currently purchases Excess Workers' Compensation, Property, Public Officials Liability, Employment Practices Liability, Commercial General Liability, Licensees & Permitees, Drone, Cyber, Volunteer Accident, Petroleum, Flood, Professional Liability for Specified Medical Professions (Emergency Medical Technicians – EMT), Commercial Crime, and Accidental Death and Disability for Public Safety coverage. The City may consider Auto Liability coverage, or other applicable coverage.**

   **Marketing Meeting with City Staff:**
   Our marketing meeting with the City staff is focused on our strategy in presenting the City's program to the insurance marketplace. This includes a discussion of applications, pertinent loss reports, prior year premium summaries, premium targets, alternative risk possibilities and the results on loss data of those potential structures, as well as a communication timeline to provide the City with expectations.

   We will ensure that any changes or endorsements are verified for accuracy and are in conformance with negotiated terms. Marketing strategy meetings will be held in advance of the approach of the marketplace, including alternative risk transfer structures. During each renewal presentation our firm will provide a marketing summary containing the list of markets approached after approval from the City.

   **Trust Partnership:**
   One of our biggest differentiators that is relevant to the City is our access to the Florida Municipal Insurance Trust (FMIT) and our agnostic approach. The FMIT is built for hardening markets their program structure insulates cities from the majority of market pressure. Due to the strong financial wherewithal, the FMIT can price based on the experience of their pool and not market conditions. No other Trust is built like this in the State of Florida. Our agnostic approach to marketing allows us to be completely transparent to our clients. **We do not have any ownership or incentives to place business anywhere, except for what is best for the City.**

2. **Negotiate renewal rates on an annual basis for the most comprehensive coverage at the most cost-effective premium with input from City staff and provide such rates no later than July of each year – unless other arrangements are agreed-to between the broker or brokers and the City.**

   **Experience in negotiating with insurance carriers:**
   Our agnostic approach will allow you to have an option to either insure with a pool (FMIT) or Independent Risk Placement (IRP) markets for the next several years and always create the most effective deal negotiation method to keep costs down. In addition, no other broker can boast more experience with pools and IRP markets than our team.

   Our team brings experience, a large public entity presence, as well as the leverage of placing over $2 billion of premium with the majority in the State of Florida. We affirm that we will represent the City in communications, and we are also confident in our ability to bring the most deal tension to the City's negotiating process. This tension is what drives the best results. The selection of our team will allow you to explore multiple options in the marketplace and always create the most effective deal negotiation method to keep costs down.

3. **Assist the Risk Manager and/or City staff in conducting annual physical inventories for real and personal property, establishing current replacement values.**

   An annual review of the City's exposure data is critical in producing accurate and optimal results. This is not just a renewal function. We believe that identifying changing risk characteristics allows us to accurately portray the City in the marketplace. The more robust and accurate the data and submission, the less assumptions made by insurance carriers. Typical insurance models assume the worst, as we continually update information and clean up data to carriers, we will continue to be able to drive down uncertainty and therefore reduce the cost to the City.

   We are currently working through this process with the City and have uncovered several assets that have been missed in the past. We have created a process and a workflow to avoid these issues in the future.

4. **Prepare and maintain list of current properties owned by the City. Update list to reflect new construction, acquisition or deletion of property and provide same to the City, at a minimum on an annual basis.**

   We affirm that we will meet this requirement.

5. **Assist the Risk Manager in preparing documents and exhibits for presentation to the City's Insurance Program Committee and/or City Commission for approval/annual renewal of Property & Casualty insurance. All documents/proposals to be considered by the City Commission for approval must be received in final form to meet deadlines established by the Risk Manager for inclusion in the City Commission agenda packet.**

   **Marketing Results Meeting:**
   After our marketing effort, we will present to the City options, markets, alternative risk strategies, etc. This marketing summary will contain the status and outcome of each market (quoted or declined), as well as a reason for the declination (losses, exposure, etc.) or a reason that the quote is not proposed (pricing was too high, coverage was not broad enough, etc.). All these options and reports will be built around a comparison of historic losses and the effects of alternative risk transfer as well as the effect on premium.

   Our goal is to provide options that may allow the City to reduce their total cost of risk. Insurance cost is an important piece to risk management, but the ultimate goal is determining what the total cost of risk is. As markets harden, the cost of transfer becomes increasingly more expensive and the incentive to increase retentions becomes a cost-effective alternative.

   Our responsibility is to provide options and advice on the short-term Total Cost of Risk as well as advise the City on long term consequences/risks of different choices. Our experience in serving in local and state government positions make us uniquely qualified to advise during a hardening market and during budget uncertainty. We will continue to advise on long-term & short-term initiatives and just as importantly provide options and data to allow the City to make the most informed decision possible.

**6. Attend City Commission meetings and other meetings as requested by City staff at no cost to the City.**

We affirm that we will meet this requirement.

Our Public Entity team members are available to attend meetings with your Board or staff as needed. The team lead will utilize the other team members to provide the needed expertise for specific areas within the risk management program. Our experience in Public Entities make us fully aware that not all needs arise during normal working hours, and we stand ready to be an extension of your staff when that need arises.

Our goal is to serve as an extension of your staff. This means we expect to assist the City in multiple ways. This includes lines of coverage placed by us, advice throughout the course of the year, and risk management questions that may arise. Our experience with Public Entities makes us fully aware that not all needs arise during normal working hours, and we stand ready to be an extension of your staff when that need arises.

**7. Assist City staff with review and suggested improvement to the City's minimum insurance requirements.**

Improving and monitoring the City's risk transfer is a key component to continuing to improve the City's Enterprise Risk Management. We affirm that we will continually monitor signed agreements, retentions, insurance purchased, as well as continue to identify mechanisms to drive the Total Cost of Risk down for the City.

1. *We have provided the City with a matrix for insurance requirements by vendor type, i.e., construction, structural construction, IT, financial consultation, etc. This matrix is built in consultation with the City.*
2. *This matrix led to further discussion including proposed language tweaks within the City's current procurement and contracts, and a plan of action for long term changes to the City's process that are currently underway.*
3. *This process is on-going.*

We understand the importance of being easy to do business with and the important balance of not exposing the City in that endeavor. Our knowledge and experience as civil servants at the city and state level drive our ability to provide unparalleled risk management support.

**8. Be available to meet with City staff concerning issues regarding the City's minimum insurance requirements and certificates of insurance.**

We affirm that we will meet this requirement.

**9. Be willing to assist vendors or bidders on City contracts with insurance coverage that meets or exceeds the City's minimum insurance requirements.**

We affirm that we will meet this requirement.

**10. Assist in the preparation of Requests for Proposals (in compliance Section 2-300 of the Ormond Beach Code of Ordinances) and analysis of same as needed at no charge to the City.**

We affirm that we will meet this requirement.

**11. Respond to telephone calls from City staff on the same day or within twenty-four (24) hours and be available at night and on weekends as needed.**

We affirm we are available for consultation on a daily basis. Our office and leadership support bring public entity expertise and significant resources that match/exceed any other public entity practice in the State of Florida. We have dedicated ourselves to building a service model that will serve our clients and continue to expand our offerings. This structure also keeps our agents in the office more to allow for a more hands on approach from your primary contact.

Our goal is to serve as an extension of your staff. This means we expect to assist the City in multiple ways. This includes lines of coverage placed by us, advice throughout the course of the year, and risk management questions that may arise. Our experience in Public Entities make us fully aware that not all needs arise during normal working hours, and we stand ready to be an extension of your staff when that need arises.

Office hours for our locations are from 8:00AM-5:00PM 5 days per week, but our account leads understand that our priority is a commitment to immediate response and are available via cell phone at any time and contact information will be provided. Calls and emails are expected to be returned within 4 hours.

| Service Standards | Within: |
|---|---|
| Return phone calls* | Same day (within 24 hours), we strive for 4 hours |
| Issue invoices and related documents | 5 workdays of effective date |
| Incorporate policy changes | 3 workdays of receipt |
| Issue certificates | 24 hours of receipt or as needed/2 hours for rush requests |
| Process premium-bearing endorsements | 10 workdays of receipt from carrier |
| Process non-premium-bearing endorsements | 10 workdays of receipt from carrier |
| Process audits | 7 workdays of receipt from carrier |
| Check policies | 30 workdays of effective date & deliver within 10 workdays |

**cell phones are provided for escalation and after hours, if needed*

**12. Be available to meet on-site as required by the City within 48 hours of request, unless other arrangements are agreed-to between the broker and the City.**

We affirm that we will meet this requirement.

Our Public Entity team members are available to attend meetings with your Board or staff as needed. The team lead will utilize the other team members to provide the needed expertise for specific areas within the risk management program. Our experience in Public Entities make us fully aware that not all needs arise during normal working hours, and we stand ready to be an extension of your staff when that need arises.

Our goal is to serve as an extension of your staff. This means we expect to assist the City in multiple ways. This includes lines of coverage placed by us, advice throughout the course of the year, and risk management questions that may arise. Our experience with Public Entities makes us fully aware that not all needs arise during normal working hours, and we stand ready to be an extension of your staff when that need arises.

**13. Actively pursue improved coverage and/or rates on behalf of the City of Ormond Beach. Outline marketing techniques including timing, client meetings, meetings with underwriters and major carriers.**

**Executed improvements over the last 9 months:**

- Improved the City's named storm deductibles.
- Saved the City over $300,000 year over year.
- From a modeling perspective, increased the City's named storm coverage from 1 in 250 years to 1 in 1,000 years.
- Identified overspend as previous broker was taking commission and fees on Active Shooter/Terrorism coverage.
- Increased AD&D coverage from $2,500 to $50,000.
- Successfully lined up multiple policies to 10/1 effective date for easier program management by the City.
- Improvement of TULIP administration. Identifying overcharge to the City and users of City property. Examples available upon request. We also identified errors in prior years certificates.

**Experience with the Global Marketplace:**
As independent agents and brokers we represent carriers worldwide, enabling us to provide a wide range of coverage options for our clients. We currently insure more than $200 billion in total insurable values throughout the United States and represent an array of prestigious clients including real estate holdings, financial institutions, and non-profits.

We are proud of the reputation we have cultivated with our insurance carriers, and especially with our underwriters. We work with our carriers to maintain long standing relationships with our underwriters. We have found that this provides a stable and profitable underwriting environment for our clients, carriers, and the agency.

A hardening property market creates issues with pricing and limits/terms. A broker who has the ability to provide options from insurance trusts and the standard marketplace provides the City the ability to analyze these options on an annual basis throughout the length of the contract awarded. We have consistently been able to leverage the insurance marketplace with better success than other brokers in the state of Florida. We have been able to drive results for our clients as well as for new clients/bidding processes.

We also have vast experience in alternative risk transfer through CAT bonds, Insurance Linked Securities, Parametric products, etc. that all invite additional competition to continue to move the needle in a positive direction for our clients. We are recognized as one of the fast-growing agencies in the country with most of our carrier partners. This allows us direct access to senior leadership of all major carriers as a strategic growth partner.

**Experience in analyzing insurance coverage proposals:**
As one of the largest brokers in the State of Florida, our ability to analyze multiple options is the life blood of what we do. Understanding the needs of our clients comes first. Each program has its strengths and weaknesses, and through discovery and analysis we work to find the best option for our clients. We understand that services provided play a crucial role in decision making, so our coverage review includes a service review as well.

Additionally, our firm currently serves as a consultant to the largest insurance placement of property in the United States. In this role we have been tasked with assisting in evaluating parametric products, Insurance-Linked Securities, Captive structures, increased retentions, and several other forms of risk transfer. This consultation included an extensive analysis of 10 years of data to determine data sufficiency, actuarial defined expected future losses, disaster recovery program implementation, TPA review, and several other processes to aid in the selection of the best possible outcome for the client.

We believe this speaks to our ability to aid the City in their options in the current insurance marketplace. We believe our expertise in the area will continue to allow us to position our clients in the best way possible as the insurance market continues to harden on all lines of coverage. Our approach and timeline are centered around quality of data. This is exemplified in our step-by-step marketing process and our attention to property detailing and modeling.

**Work with the City to prepare coverage submissions effectively and efficiently:**

- Coordinate with the City approximately 120 to 150 days prior to renewals and provide estimates of renewal changes in premium, coverage, policy terms, etc. and in collecting needed renewal rating and background information.
- Provide the City with Probable Maximum Loss ("PML") studies.
- Present renewal pricing and policy changes to the City at a minimum of forty-five (45) days before renewal or at a time agreed upon with the City.
- Obtain proposals from additional insurance markets and provide them to the City with a listing of all companies contacted, detailed spreadsheets of all submissions received and all rejection letters.
- Provide final, written renewal submissions to the City on a schedule agreed upon with the City to allow for review of renewals.

We have provided a marketing/service timeline that will hold our team accountable to the proper stewardship of the risk management program. The timeline provided is an example and can be adapted to meet the specific needs of the City. This timeline is designed to incorporate requirements within the Scope of Services to allow the City to continually track that we are meeting the promises set forth in this RFP response.

Our approach and timeline are centered around quality of data. This is exemplified in our step-by-step marketing process and our attention to property detailing and modeling. The timeline is included on the following page. We are confident in our ability to meet the City's Scope of Services and will work to modify this calendar and approach after our initial meetings with the City if selected.

**Available Markets:**
With access to 100+ markets, a list of all active carriers is not specific enough for the City to evaluate our ability to drive results. On pages 49-51 we have provided a list of carriers that we believe will effectively compete on the City's program and provide the necessary deal tension to insure the optimal outcome in a hardening market.

# Service Calendar

FOUNDATION RISK PARTNERS
PUBLIC ENTITY SERVICES

Initial Meeting → Foundation Risk Partners Data Review → Marketing Meeting with Staff → Marketing Process → Marketing Results

| | Action Date: | Main Objective: |
|---|---|---|
| ☐ | Within 10 Days of Bid Award | **Initial Meeting**<br>**To understand the City's philosophy and overall risk management goals. This process will allow the marketing efforts to produce the broadest and most economical risk transfer for the City:**<br>• Discuss current Risk Retention Policies and establish parameters for options when marketing the program<br>• Review Claims Handling Philosophy and claim settlement philosophy.<br>• Review Current Risk Control Training Schedule: allow markets to fully understand operations and safety culture<br>• FRP to gather detailed claims information, current coverage documents and premiums. |
| ☐ | Within 30 Days of Bid Award | **Foundation Risk Partners Data Review**<br>**Our staff will conduct a thorough review of information and prepare reports for presentation and discussion with the City Staff, including:**<br>• Preparation of Initial Marketing Applications for Review and Approval<br>• Prepare a report for Total Cost of Risk (TCOR) within current retained risk levels and review loss ratios. Identify best retention strategy, ALA opportunities, risk/reward of current retention levels.<br>• Prepare a marketing report to include potential markets, potential risk retention levels, and outline current market conditions and expected pricing levels |
| ☐ | 150 Days Before Renewal | **Marketing Meeting with Staff**<br>**Meet with the City staff for review and approval:**<br>• Applications for submission to Insurance Marketplace<br>• Reports and Marketing Strategy<br>• Marketing guidelines regarding pricing and alternative risk retention levels<br>• Communication timelines and expectation for market updates throughout marketing process |
| ☐ | 120 Days Before Renewal | **Marketing Process**<br>**Submit the approved applications and data to the markets identified to the RM staff. Produce the broadest and most economical risk transfer for the City:**<br>• Create Deal Tension: IRP vs. Pools. Alternative funding/strategies, brings unknown price drivers, ensuring best offers<br>• Schedule Meeting with key markets and the City Staff where appropriate<br>• Establish critical dates within the timeline approved by the City Staff<br>• Establish and update report to inform the City Staff regularly, in coordination with approved timeline.<br>• Contact carriers on regular basis to monitor progress and provide additional information to bring the best possible outcome to the City. |
| ☐ | 30 Days Before Renewal | **Marketing Results**<br>**Meet with the City Staff to present results & recommendations, including:**<br>• Prepare marketing report to fully disclose markets approach, outcomes, and summaries to present to the City Staff<br>• Prepare recommended coverages and carriers for review/approval by the City Staff<br>• Present and/or attend meetings with the City as requested by the City Staff<br>• Provide report/disclosure of contingencies and commission to 3rd parties in accordance with RFP specifications<br>• Receive orders to Bind coverages with selected markets |




| | Action Date: | Main Objective: |
|---|---|---|
| ☐ | **Post Renewal** | **Schedule First Risk & Safety Meeting**<br>**Meet with the City Staff to present results & recommendations, including:**<br>• Utilizing loss data, we will work with the City to build a training schedule for the following year<br>• Meet with Department heads to discuss individual needs, and on-site training<br>• Demonstrate the use of FRP online classes and library to ensure optimal use of the free resources available to the City.<br>• Identify any needs outside of those currently available and source resources to fill those needs |
| ☐ | **30 Days Before Renewal** | **Annual Planning with FRP Risk Management**<br>**Introduce the City Staff to FRP Risk Management and implement procedures as Hurricane season begins:**<br>• Perform asset valuation to GIS code all locations<br>• Discuss the City's Coop plans to identify critical assets and materials.<br>• Identify local vendors to use if a loss occurs.<br>• Familiarize the City with the fully integrated app for loss identification.<br>• Identify any specialized building materials, to speed recovery should damage occur<br>• Assess generator and portable needs in the event of power loss and significant damage and temporary displacement |
| ☐ | **0-30 Days from Renewal (After Approval)** | **Bind Coverage**<br>**Bind coverages as requested with selected carriers**<br>• Prepare temporary binders of coverage and present binders to the City Staff<br>• Notify all other carriers that were not selected of the options and carriers chosen |
| ☐ | **0-30 Days After Renewal** | **Policy Delivery**<br>**Deliver accurate Policies copies once issued by carrier**<br>• Foundation Risk Partners will receive policies from carriers and review for accuracy.<br>• Foundation Risk Partners will request endorsements for any discrepancies and notify the City.<br>• Foundation Risk Partners will deliver policies once received and reviewed within 30 days |
| ☐ | **Ongoing** | **Ongoing Risk Management Support**<br>**Meet and exceed all aspects of the requested Scope of Services provided by the City, including:**<br>• Loss Information: Quarterly and at will reports/meetings as requested<br>• Staff Availability: The staff presented to the City is the staff that will provide service to the City. We endeavor to act as an extension of your staff and are always available for in person meetings and through email and phone. All changes to staff are to be approved by the City.<br>• Board Meeting Attendance: We are available throughout the year as needed.<br>• Monitor & Report - Current state of the market: We aim for quarterly updates, including more frequent risk mitigation information and communications through your carriers.<br>• Insurance Contract Review & Certificates: We understand this is a requirement within the Scope of Services and plan to provide this function on an ongoing basis<br>• TPA Coordination: We are available throughout the years as the City and the TPA see fit. Our involvement with the TPA allows us to better market the insurance program, understanding physician network, etc.<br>• Establish additional Risk Services to be provided to the City; through insurers, our staff, additional vendors if needed.<br>• Performance Guarantees: We plan to provide quarterly updates and discussion with the City; with an annual report included in renewal proposals |
| ☐ | **150 Days Before Renewal** | **Begin renewal process for 2025-2026** |

## Property Markets:

| Carrier | Primary Layer? | Secondary Layer? | Notes |
|---|---|---|---|
| Florida Municipal Insurance Trust - Florida League of Cities | x | x | Disaster Recovery Management for the League can provide faster recovery for the District, also the League offers in house appraisals at no cost to the member. Online claims management and 24/7 access |
| Florida School Boards Insurance Trust - Florida School Boards Association | x | x | Utilization of Origami Risk allows the District to monitor and pull reporting that is on par with many fortune 500 companies |
| Lexington Insurance | X | X | Potential lead property market - exiting the Residential market which allows more capacity for the public entity market |
| Berkshire | X | X | Potential lead property market - recent quotes for public entity have been priced favorably - 2 year rate guarantees have been offered |
| Sompo | X | X | Potential lead property market - aggressive in public entity sector |
| Lloyd's of London via THB | X | X | Potential lead property market - several syndicates of Lloyd's have extensive experience in the Florida public entity market and continue to seek market share. Key syndicates include CV Starr, Argo, Brit, Beazley, THB, AEGIS, and Amlin |
| Chubb/ACE Westchester | X | X | Primary market - Part of the Chubb Insurance property portfolio and will pursue public entity in Florida |
| Swiss Re | X | X | Primary market - Has historically been a lead market but may be transitioning more to excess layers of programs in the current market |
| Velocity/VRU | X | X | Formerly AmWins proprietary market that is continuing to add market share in the Florida market |
| SRU | X | X | AmWins proprietary market that is continuing to add market share in the Florida market |
| AWAC | X | X | Allied World US and Bermuda will participate on Public Entity |
| Ironshore | X | X | US and Bermuda will participate on Public Entity |
| Everest Indemnity | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Argo/Colony | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Arch Specialty | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Arrowhead Program | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Catalytic - GuideOne, Safety Specialty & Lloyds | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| AmRisc | X | | Typically crucial for support in quota shares, excess layers and capacity needs |
| Aspen | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Axa CL | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Axis | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Beazley | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Crum & Forster | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Great American | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Hallmark | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| IFG | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| james River | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Markel | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Maxum | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Nationwide | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| One Beacon | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Rivington | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| RSUI | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Sigma | X | | Typically crucial for support in quota shares, excess layers and capacity needs |
| Starr | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Starr Tech | X | | Specializes in Hardened Utility Assets |
| Validus | | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Ventus | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |
| Zurich | X | X | Typically crucial for support in quota shares, excess layers and capacity needs |

## Liability Markets:

| Carrier | Line of Coverage | ALA Available? | Additional Notes | Risk Management Services |
|---|---|---|---|---|
| Florida Municipal Insurance Trust | All Lines* | No | Pooling provides price stability during high loss years, as well as adjustors trained on our specific coverage form. Access to FMIT allows for more deal tension than just the standard marketplace provides during the marketing phase | Best-in-class disaster recovery, in-house risk management services designed by and for cities |
| Brit Global | All Lines* | Yes | Competitive on Excess Coverage in Florida and offers additional training support for employees | Currently Provides TEAM system |
| Berkley Public Entity Managers | All Lines* | Casualty Only | Competitive program building market share in Florida | Offers training support as well as a litigation management tool for claims evaluation |
| Safety National | All Lines* | No | Traditional Workers Compensation market that is also expanding into other casualty lines of coverage | Specialized public entity support |
| Chubb/Westchester ACE | All Lines* | Yes | Competitive Florida casualty market - dedicated public entity team and support | Dedicated public entity team and support |
| Old Republic | All Lines* | Yes | Competitive Florida casualty market - dedicated public entity team and support | Dedicated public entity team and support |
| AIX Specialty Insurance | All Lines* | Yes | Competitive program building market share in Florida. | |
| Munich Re | All Lines* | Yes | Established market share in Florida | Offers training support and loss control |
| Argonaut/Trident | All Lines* | Yes | Competitive program with existing market share in Florida | Offers training support and loss control |
| Lexington Insurance Company | All Lines* | No | Remains competitive of excess coverage in Florida | |
| One Beacon | All Lines* | | Remains competitive of excess coverage in Florida | |

***All Lines can include General Liability, Auto Liability, Public Officials' E&O, Law Enforcement, Cyber, etc.***

## Workers Compensation Markets:

| Carrier | Additional Notes |
|---|---|
| Florida School Boards Insurance Trust | Member driven claims handling, Risk management designed specifically for School Boards, and best in Class Origami Risk Management System to view claims and view reports to drive retention and Risk Safety decision making |
| Florida Municipal Insurance Trust | Access to the FMIT allows us to continue to bring multiple options outside of the standard insurance market to allow us to drive competition and bring better pricing and service offerings to the member. Pooled programs also bring risk services that can be beneficial to the District |
| Safety National | Competitive market and industry leader for workers compensation for public entity |
| Chubb/ACE Westchester | Competitive market for public entity and considers package discounts when combining casualty lines |
| Arch | Open for Florida public entity business |
| Star Insurance | Open for Florida public entity business |
| Midwest | Excess Workers Compensation |
| Travelers | Excess Workers Compensation |
| **Multiline SIR Programs** | |
| Brit Global | Can include buffer WC as part of mutli-line SIR program |
| Old Republic | Can include buffer WC as part of mutli-line SIR program |
| Munich Re | Can include buffer WC as part of mutli-line SIR program |
| AIX | Can include buffer WC as part of mutli-line SIR program |
| **Monoline WC - Buffer WC** | |
| Fortegra | Can do monoline buffer WC |
| Gray Insurance | Can do monoline buffer WC |

**Ancillary Markets:**

| Carrier | Line of Coverage |
|---|---|
| Great American Fidelity Insurance Company | Cyber Liability |
| Indian Harbor Insurance Company | Cyber Liability |
| Beazley American Insurance Company | Cyber Liability, Pollution |
| Corvus | Cyber Liability |
| McGowan - Indian Harbor Insurance | Deadly Weapon & Crisis Management |
| CRC - Lloyd's of London | Deadly Weapon & Crisis Management |
| United State Fire Insurance Company | Student Accident |
| AIG | Student Accident, Storage Tank Liability, Group Accident |
| Zurich | Student Accident |
| Philadelphia | Student Accident |
| Berkley | Student Accident |
| Travelers | Crime, Boiler & Machinery, Public Officials, Law Enforcement |
| Intact | Special Events General Liability Reporting Form |
| Atlantic Specialty | Special Events General Liability |
| Axon Insurance | Pollution |
| Markel Insurance | Pollution |
| Ironshore | Pollution |
| AWAC | Pollution |
| AXA XL | Pollution |
| Ascot | Pollution |
| Allianz | Pollution |
| Roanoke | Terrorism & Deadly Weapon |
| QBE | Monoline POL/EPL or LEL |
| Hudson | Monoline POL/EPL or LEL |
| ***This list is not all encompassing for Ancillary coverages*** | |

**14. Perform risk management advisory services. Advice must be provided on emerging risk management trends, the state of the market and any new, innovative products.**

The Public Entity Practice recognizes the unique exposures and evolving risk profiles of our municipal clients and strives to reduce the total cost of risk. The practice believes in public service and is dedicated to reducing the total program cost, mitigating risk, and functioning as an extension of your staff.

We assess each organization's equipment, environment, and employees to identify likelihood, frequency, and severity of the risks they are exposed to and then create a systematic approach to control those exposures. Our in-house loss consultant uses an evidence-based approach to safety and health, and offers practical technical solutions, tools, and strategies to help reduce work-related employee injury and illness. We've found this approach can significantly improve your safety culture and productivity.

**Quarterly Loss Meetings:**
These meetings can be phone reviews or in person, but the objective of these meetings is to allow for a discussion of information on open claim expectation. An open discussion allows for our claims unit to provide a higher quality of service, allows the City to be proactive on large claims and keeps both parties continually updated on risk mitigation strategies and training opportunities that will result in a lower Total Cost of Risk.

**Loss Prevention/Engineering Services:**
As an extension of your staff, our Risk and Safety Management team works with you to identify and address potential hazards and risks. Together, we create a safer environment to protect your assets (especially your employees) and save you money. Our in-house loss control expert will make proactive recommendations in consultation with the City. In addition to that role, his expertise as a former insurer loss control expert allows him to better represent the City with regard to insurance companies reports.

Our in-house loss control team has several industry certifications, including OSHA. We utilize in-house services when appropriate to reduce the cost to the City but, will identify qualified firms and act as a liaison as requested.

**Health and Safety Services:**
People drive the business. As a critical resource, employees will be safeguarded through training, provision of appropriate work surroundings, and procedures that foster protection of health and safety. The following, services are available on a continuous improvement or as needed bases.

- Loss Control Toolbox
- Trend analysis
- Job Safety Analysis
- Ergonomic Evaluations
- Workplace evaluations
- Industrial Hygiene Coordination
- Incident Investigation supervision

**Web Based Tools:**
We have accumulated Web Based Tools that help achieve the greatest of value to our clients.

- Client Portal
- Learning Management System
- Access to resource portal (Mywave)
- Human Resource Portal (Mywave)
- Zywave basic and advanced training (Zywave University)
- Access to Loss Control and Claims Advocacy teams.
- Vendor partnerships.

**Web Based Loss Control services:**
Loss control-based resources and guidance are available electronically. Use is driven by the broker in collaboration with loss control.

- Assisting with OSHA Inspections
- Large loss/incident investigation review
- Resource coordination (policy, handout, presentation, etc.)
- Claims Management assistance.
- Guidance with carrier recommendations
- General Safety Consultation
- Carrier Based Loss Control Resources



FOUNDATION RISK PARTNERS

# LOSS CONTROL & SAFETY

CUSTOM PLATFORM

Developing a Loss Control & Safety Program can seem daunting, but it doesn't have to be. The team of experts at Foundation Risk Partners take the time to get to know you and to conduct data-driven analyses so that the best safety program solutions are tailored to meet your unique needs. Measuring employee morale, incident occurrences and productivity are just a few examples of the metrics assessed and impacted by customizing a safety program. As a full-service independent agency, the professionals at Foundation Risk Partners are focused on providing strategic solutions based on collaboration and excellence, no matter where you are in the U.S.

### Loss Control Services

- On-Site Consultation Services
- Web-Based Services including Web Training & Virtual Site Evaluations
- Assistance with Fleet Management

### Stay in Compliance

Gain confidence with OSHA compliance as we assist with facility inspections, OSHA 300 Log record keeping, rules, regulations, standards, updates and more.

### Potentially Reduce Cost

We can help you potentially reduce cost with an effective loss control action plan.

- Evaluations of current Programs, Policies and Procedures
- Statistical analysis of workers' compensation losses, OSHA 300 Logs and Loss Runs
- Identification of problem area
- Review of experience modifiers for accuracy

### In-House Claims Department

- 24/7 Rapid Response Claims Delivery
- Over 35 years of combined claims

### Reduce Your Mod

- Reduce the number and severity of workers' compensation claims through safety programs in the workplace.
- Assistance and training in the development
- and organizational structure of a safety committee.
- Ensure injured employees return to work sooner with our resources for creating effective return to work programs
- Use our supervisory training materials and other resources to improve effective safety protocols.

### Risk Management Services

- Claims Prevention & Risk Review
- Financial & Data Presentation Tips
- Progressive Online Safety Support
- Contract Review

## CONTACT US

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FoundationRP.com

FOUNDATION RISK PARTNERS

# ONLINE RESOURCE PORTAL

## CLIENT PORTAL

### Our Portal Can Help You:

- Solve your business's unique pain points with centralized tools and content
- Easily navigate the complex world of compliance and risk management
- Effectively handle tasks involving employees using portal resources

### Industry-leading Resource Portal

Our client portal is your go-to resource to find the content and tools you need to help you stay compliant, manage risk and build a better workforce.

- 24/7 access to exclusive compliance information, training, people and risk management tools you can use to avoid costly lawsuits, claims and fines
- Accurate compliance information regarding ACA, FMLA, COBRA, OSHA and more
- Alerts and notifications to help you stay up-to-date when content and legislation is updated
- User-friendly solutions that will assist you in getting more done in less time
- HR and compliance assets you need to do your job more effectively

### Apps Include:

- Custom Job Description Builder
- Interview Question Builder
- Employee Cost Calculator
- Federal Poster Advisor
- Multi-state Law Comparison Tool
- FMLA Advisor
- Health Plan Compliance Calendar
- Compliance Notice Builder
- HR Self-assessment
- Performance Review Builder
- Employee Handbook Builder
- Sample Job Descriptions
- Salary Benchmarking

## HR HOTLINE

The HR Hotline is a service staffed by HR professionals, available by phone or email, to answer your HR-related questions. As a valued client, you will have access to personalized, professional HR consultation and expertise every month.

### What can you ask about?

- Employee benefits
- Leaves of absence
- Federal compliance
- State employment law
- Wage and hour issues
- Discipline and terminations
- Recruiting and hiring
- Employee relations
- Workers' compensation
- Investigations
- Performance management

FOUNDATION RISK PARTNERS

1

# ZYWAVE LEARNING MANAGEMENT SYSTEM

Take advantage of an innovative Learning Management System, delivering high-quality, on-demand courses. All courses feature easy to understand, professionally produced training content with interactive quizzes. In addition, many courses are available in English and Spanish, and all courses are mobile friendly. All of these features allow for a quality, engaging learning experience.

## Features Include:

- Mobile-ready so learners can complete training courses anytime, anywhere
- Set up your employees in minutes
- More than 150 training courses available, including sexual harassment prevention and workplace safety courses
- Provide separate courses to employees, managers or other groups you create
- Easy-to-use dashboard allows for simple tracking of employee course completion
- System issues certificates of completion per course for each employee

## ZYWAVE LMS COURSE LIST

### Chemical & Environment Safety

- Stormwater Pollution Awareness for Employees

### Construction Safety

- Caught-Between Hazards: One of Construction's Fatal Four (English)*
- Caught-Between Hazards: One of Construction's Fatal Four (Spanish)*
- Cold Stress Prevention for Construction Employees*
- Crane Signal Person Basic Training for Construction Employees
- Crystalline Silica Safety for Construction Employees (English)
- Crystalline Silica Safety for Construction Employees (Spanish)
- Fall Hazards: One of Construction's Fatal Four (English)*
- Fall Hazards: One of Construction's Fatal Four (Spanish)*
- Hand And Power Tool Safety In Construction Environments (English)
- Hand And Power Tool Safety In Construction Environments (Spanish)
- Industrial Crane Safety
- Personal Fall Arrest Systems Training for Construction Employees (English)*
- Personal Fall Arrest Systems Training for Construction Employees (Spanish)*
- Safety Orientation for Construction Employees*

### Coronavirus Prevention & Response

- COVID-19: Staying Safe at Work for Employees*
- COVID-19: Staying Safe at Work for Managers*
- Remote Employees: Safety, Health and Security*

### Cybersecurity

- Data Privacy & Information Security*
- End User Cyber Security Fundamentals Series – Browsing
- End User Cyber Security Fundamentals Series – Mobile Devices

### Diversity & Ethics

- Common Sense & Critical Thinking: Tolerance, Diversity & Stereotypes
- Discrimination & Workplace Sensitivity
- Diversity & Inclusion Training for Employees*
- Workplace Code of Conduct*

FOUNDATION RISK PARTNERS

** Denotes that course has closed captioning or built-in transcript available.*

2

# ZYWAVE LEARNING MANAGEMENT SYSTEM

### Drugs & Alcohol
- Drugs and Alcohol in the Workplace (English)*

### Employee Success
- Common Sense & Critical Thinking: Mental & Physical Health
- Communicating Effectively
- Customer Service: Difficult
- Customers
- Customer Service: How to Excel
- Customer Service: Skills Required
- Mastery of Self-Awareness
- Sleep Management Techniques for Employees*
- Social Media Behavior*
- Stress Management Techniques for Employees

### Ergonomics
- Adjusting Workstations & Postures
- Back Injury Prevention Tips for Employees (English)*
- Back Injury Prevention Tips for Employees (Spanish)*
- Ergonomics Basics for Employees*
- Industrial Ergonomics for Employees
- Lifting Safety for Employees*
- Material Handling Safety for Employees (English)
- Material Handling Safety for Employees (Spanish)

### Fiduciary Basics
- Fiduciary Basics - Defined Benefit
- Pension Plans
- Fiduciary Basics - Health Plans
- (English)
- Fiduciary Basics - Health Plans
- (Spanish)
- Fiduciary Basics - Retirement Plans

### Fire Safety
- Fire Extinguisher Tips for Employees*
- Fire Prevention & Response Tips for Employees
- Fire Prevention Tips for Hot- Work Employees*
- Fire Safety for Industrial Employees*
- Fire Safety for Office Employees

### General Workplace Safety
- Accident Investigation Techniques for Managers
- Compressed Air Safety for Employees*
- Compressed Gas Cylinder Safety for Employees
- Electric Shock Prevention Tips for Employees
- Electrical Safety for Non-Electrician Employees*
- Electrical Safety Related Work Practices and the 2021 NFPA 70E for Electrical Workers*
- Emergency Response (English)*
- Emergency Response (Spanish)*
- Emergency Response Tips for Employees*
- First Aid Response for Employees
- Good Housekeeping Tips for Employees (English)*
- Good Housekeeping Tips for Employees (Spanish)*
- Heat-Related Illness Prevention for Employees (English)
- Heat-Related Illness Prevention for Employees (Spanish)
- Ladder Safety for Employees*
- Office Injury Prevention for
- Employees
- Safety Awareness for New Employees (English)*
- Safety Awareness for New Employees (Spanish)*
- Safety Essentials for New Employees (English)*
- Safety Essentials for New Employees (Spanish)*
- Safety Responsibility for Employees*
- Slip, Trip & Fall Prevention for Employees (English)*
- Slip, Trip & Fall Prevention for Employees (Spanish)*
- Top 10 Causes of Workplace Injuries
- Utility Knife Safety for Employees*
- Walking & Working Surface Safety for Employees*
- Winter Walking Safety for Employees*

FOUNDATION RISK PARTNERS

** Denotes that course has closed captioning or built-in transcript available.*

3

# ZYWAVE LEARNING MANAGEMENT SYSTEM

### Hazard Communication & GHS
- Hazard Communication & GHS Training for Employees*

### Health Care Safety
- Back Safety for Health Care Employees

### Hiring & Termination
- Interview Compliance & Fair Hiring

### Labor & Privacy Compliance
- HIPAA Compliance for Managers and Employees*
- Wage & Hour Training – California
- Wage & Hour Training - Fair Labor Standards Act

### Manager Success
- ADA Americans with Disabilities Act*
- Conflict Resolution
- Discipline in the Workplace
- Employment Law Training – The Essentials for Managers*
- First -Time Manager Tips
- HR Compliance Essentials for Managers*

### OSHA Compliance
- Bloodborne Pathogen Awareness for Employees*
- Confined Space Entry Tips for
- Employees
- How to Avoid OSHA's Top 10 Violations
- Lockout/Tagout Steps for Employees (English)*
- Lockout/Tagout Steps for Employees (Spanish)*
- Machine Guarding & Operation Safety for Employees*
- Personal Protective Equipment (PPE)
- Eye Injury Prevention Tips for Employees*
- Hearing Loss Prevention Tips for Employees

### Personal Protective Equipment (PPE)
- Eye Injury Prevention Tips for Employees*
- Hearing Loss Prevention Tips for Employees
- Personal Protective Equipment (PPE) Overview for Employees*
- Respiratory Protection Tips for Employees (English)
- Respiratory Protection Tips for Employees (Spanish)
- Respiratory Protection Training for Employees*

### Powered Industrial Trucks & Aerial Lifts
- Ensuring Safety Around Forklifts*
- Forklift Operation Tips for Employees
- Forklift Operator Certification Series: Classification, Refueling & Recharging*
- Forklift Operator Certification
- Series: Loading & Operation*
- Forklift Operator Certification Series: Operator Training & Pre- Operational Inspection*
- Forklift Operator Certification
- Series: Stability*
- Mobile Elevating Work Platforms*
- Safe Use and Operation of Order Selectors*
- Supported Scaffolding Safety In General Industry And Construction Environments (English)
- Supported Scaffolding Safety In General Industry And Construction Environments (Spanish)

### Transportation Safety
- Defensive Driving Tips for Transportation Employees (English)
- Defensive Driving Tips for Transportation Employees (Spanish)
- Distracted Driving Prevention for Transportation Employees*
- DOT Training: HAZMAT Security Awareness
- Texting & Driving Prevention for Transportation Employees
- Winter Driving Tips for Transportation Employees

FOUNDATION RISK PARTNERS

** Denotes that course has closed captioning or built-in transcript available.*

4

# ZYWAVE LEARNING MANAGEMENT SYSTEM

**Workplace Harassment & Violence**

- Active Shooter Attack Survival Training for Employees (English)
- Active Shooter Attack Survival Training for Employees (Spanish)
- Anti-Bullying Training for Employees*
- Preventing Workplace Violence for Employees*
- Preventing Workplace Violence for Managers*
- Responding to Complaints*
- Sexual Harassment Prevention Training for Employees (English)*
- Sexual Harassment Prevention Training for Employees (Spanish)*
- Sexual Harassment Prevention Training for Managers (English)*
- Sexual Harassment Prevention Training for Managers (Spanish)*

**State Specific Workplace Harassment & Violence Trainings:**

- California
- Connecticut
- Delaware
- Illinois
- International
- Maine
- New York
- Washington

FOUNDATION RISK PARTNERS

** Denotes that course has closed captioning or built-in transcript available.*

5



FOUNDATION RISK PARTNERS

# Risk Management Center

## Comprehensive Risk Management, Employee Safety and Compliance Platform

Help protect your company with the Risk Management Center, a unique web-based software suite of safety and risk management tools designed to empower your organization's risk prevention efforts.

The Risk Management Center allows you to reduce risk and improve workplace safety by creating effective risk mitigation programs. It is easy to access and use, and provides a cost-effective risk reduction and safety center for your entire organization.

The Risk Management Center is right for any organization that wants to proactively manage risk exposures to reduce claims, losses, and associated costs.

**Safety Library**
Access a database of document templates and training courses, created to help companies mitigate risk and reduce losses.

**Online Training**
Deliver employee safety training efficiently and effectively.

**Incident Management Tools**
Automate safety audits, field inspections, and corrective action reporting while complying with OSHA reporting requirements.

**HR Compliance Solutions**
Access HR best-practice templates, training, news alerts, and expert advice.

### MORE INFORMATION

To learn more, or sign up for a no-obligation webinar, contact your platform provider or KPA Client Services at **503-766-6063** or **software.support@succeedms.com**.

Risk Management Center

# Tools to Enhance Your Compliance

**COI Track**
Manage the Certificate of Insurance (COI) process and ensure your business is protected from unexpected liability.

**Incident Track**
Report claims and reduce incidents. Track employee injuries and related time off of work, conduct incident analyses, and run OSHA 300 Logs.

**SDS Track**
Comply with the new Globally Harmonized System.

**Audit Track**
Create audits, surveys, questionnaires, and self-assessments.

**HR Essentials**
Achieve HR compliance, enabled through online educational materials, an HR & Benefits library, and access to on-demand experts.

**BBS Track**
Cultivate a safety culture throughout your organization with a Behavior-Based Safety (BBS) Program. Ensure employees are doing their jobs safely.

**Safety Observation Track**
Perform and track safety observations and demonstrate job compliance.

**Job Description Track**
Build job descriptions that clearly communicate employee responsibilities and job-related health and safety requirements.

**Training Track**
Automate your entire employee training process. Schedule, track, and document training with a database of training titles.

**Online Risk Management Library**
Access a multitude of bilingual risk management documents and resources.

**Loss Control Inspection Services**
Attain certified experts to analyze current workplace conditions and environmental waste disposal programs, conduct on-site training, and assist with the management, tracking, and reporting of compliance issues.

Let's get in touch. For more information, please contact:

**Name:** Nino Gallini
**Title:** Loss Control Director
**Company:** Foundation Risk Partners
**Phone Number:** 407-635-7488
**Email:** ngallini@foundationrp.com
**Website:** https://foundationrp.com/

2

**Knowledge of Florida State Law:**
Our team includes staff with risk management backgrounds to assist with contractual language review to further assist with maximizing opportunities for contractual risk transfer to reduce the retained risk by the City as well as reducing the overall cost of risk. There are many statutes that impact the provision of insurance for which we have extensive experience and understanding of their application. They include but are not limited to:

- F.S. 624.4622 - Local Government self-insurance funds (The law applies to Preferred and FMIT)
- F.S. 768.28 – Waiver of sovereign immunity in tort actions
- F.S. Chapter 440 – Workers Compensation
- F.S. 112.18 – Firefighters and law enforcement or correctional officers; special provisions relative to disability
- F.S. 112.1816 – Firefighters; cancer diagnosis

David Lodwick, Director of Public Entity Services, is the lead for reviewing contractual language for insurance provisions to ensure proper protection. He leads not only our compliance best practices, but also training of all staff who handle our accounts. As a former Mayor and Board Chair of the FMIT, and 30 plus years in Risk Management he brings a unique skill set that will be an asset to the City.

Lastly, **Tom Leek**, Chief Legal Officer, also serves as a member of the Florida State Legislature and provides guidance and understanding of any legislative issues that arise related to our client services. Our leadership maintains relationships with the OIR, DFS and State Government to ensure that our team is properly educated on all matters that will impact our clients.

**Legal Representation & Consultation Related to the Provided Coverage:**
Throughout the year our team will assume a consultative approach to ensure City staff are well informed on the insurance market as well as potential legislation that could impact the risk management plan.

- Drafting, preparation, review, issuance of certificates of insurance, binders, or cover notes, in accordance with the instructions of the client.
- Assistance with insurance program design and review of policy wordings.
- Production and dissemination of premium invoices.
- Tracking of premium receipts and reconciliation.
- Preparation of statistics for renewal discussions.
- General correspondence/queries on policy conditions.
- Delivery of coverage summaries
- Policy Administration - Receipt, Review, and Delivery

**Keep the City informed of changing conditions in the insurance marketplace:**
State of the market updates, as well as court cases that may affect the applicability of a coverage to the City is crucial when building strategy at renewal time and throughout the course of the year. Our size nationally, as one of the largest 20 insurance brokerage firms in the country, and one of the 5 largest in Florida ensures that our clients receive the market intelligence of an organization of our size and breadth of resources.

We will update the City at least quarterly with current market conditions that could potentially impact the insurance and risk management programs. In addition, we will update the City with potential legislative changes that could impact the insurance and risk management programs.

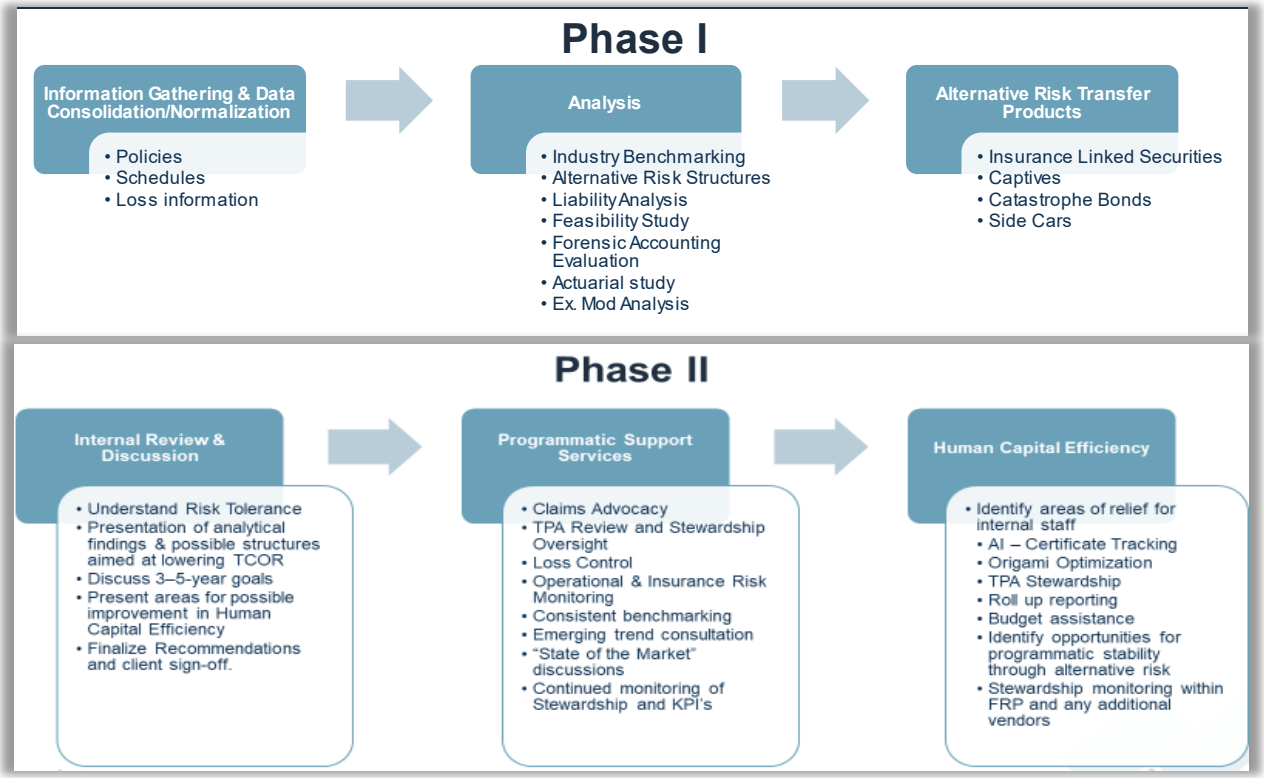
### 15. Review and refine existing insurance model and prepare ongoing reports as requested.

**How we work:**

A core philosophy to our approach to each client is to build a unique program customized to their specific exposures. We will review the City's current program; what is working, what is not, where are losses trending in the wrong direction, where are they trending in the right direction, where are they unintentionally self-insuring, where does risk transfer reduce or increase the Total Cost of Risk? We will identify areas of improvement; we will implement language, procedures, and training to fix those areas, and maintain current training and procedures that are producing the intended outcome.

Additional risk transfer mechanisms are becoming more common, and in hardening markets this tends to increase the speed of these products being introduced. We will continue to monitor alternative and additional products for the viability and trustworthiness to meet our ultimate goals for the City. Our experience building large public entity pools and property programs provides us an advantage in difficult to place risks, hardening markets, as well as providing innovations to continue to drive better results in risk management.

We understand that every client has different needs and wants of their risk management program and policy. We operate as an extension of your staff and consult with your staff to come up with the best plan of action to be most advantages to the City. Our action plan is driven by a data focused approach, identifying negative trends and controllable risk exposures.



On the following pages are several loss analyses based on information provided by the City. We build our material based on the needs of each client instead of a cookie cutter and generic approach. Our output will meet internal, external, as well as agenda requirements. Should there be a need for multiple documents to meet multiple format requests, our team will provide it in those structures to reduce the burden on City staff.

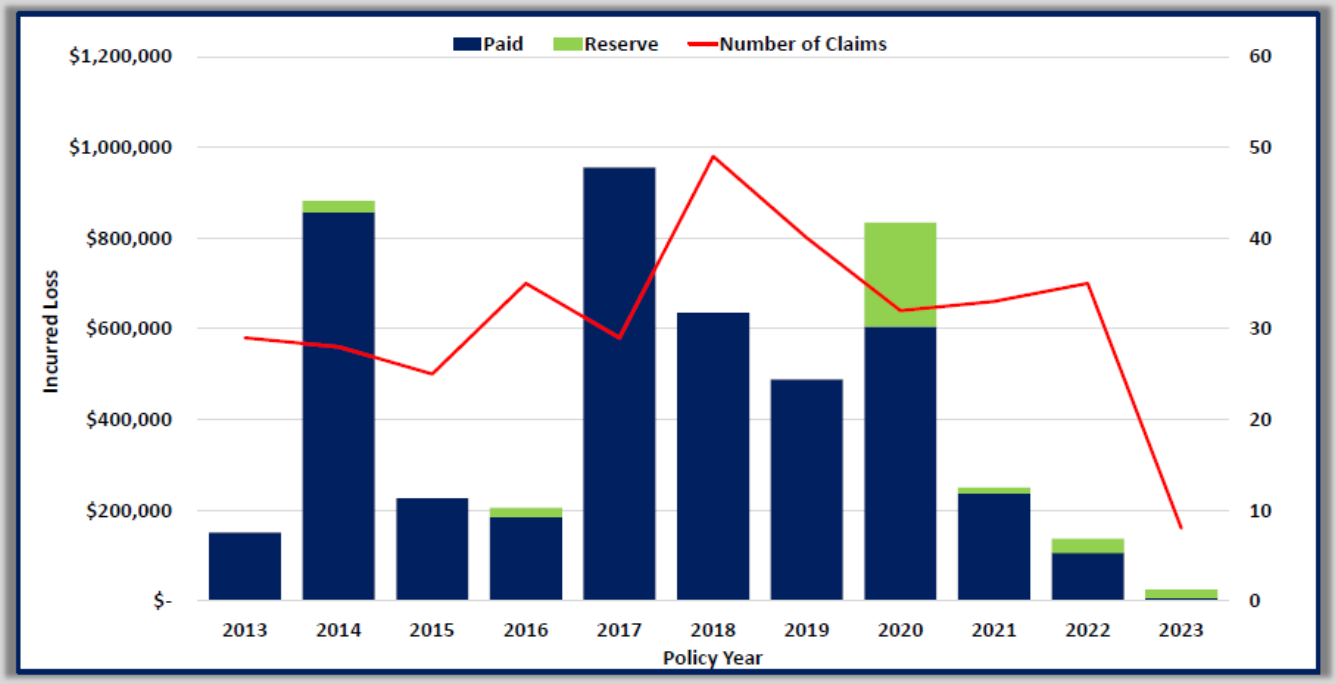
**Ormond Beach Loss Analytics:**

## Loss Analytics Dashboard

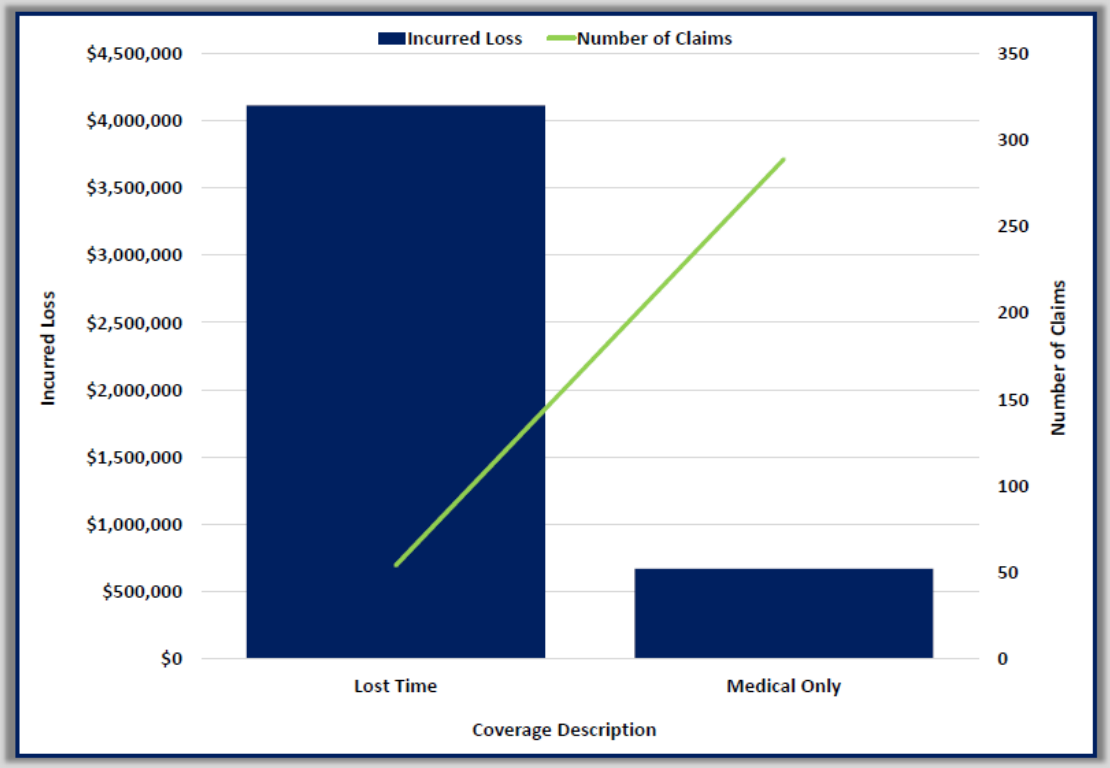
### Claim Financial Data

| Values | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Grand Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Claims | 29 | 28 | 25 | 35 | 29 | 49 | 40 | 32 | 33 | 35 | 8 | 343 |
| Incurred | $ 150,447 | $ 881,768 | $ 225,378 | $ 204,272 | $ 955,581 | $ 635,346 | $ 487,966 | $ 833,491 | $ 249,448 | $ 136,064 | $ 25,050 | $ 4,784,811 |
| Paid | $ 150,447 | $ 855,910 | $ 225,378 | $ 184,377 | $ 955,581 | $ 635,346 | $ 487,966 | $ 605,226 | $ 236,608 | $ 105,246 | $ 6,250 | $ 4,448,335 |
| Reserve | $ - | $ 25,858 | $ - | $ 19,895 | $ - | $ - | $ - | $ 228,264 | $ 12,840 | $ 30,818 | $ 18,800 | $ 336,476 |
| Average Claim | $ 5,188 | $ 31,492 | $ 9,015 | $ 5,836 | $ 32,951 | $ 12,966 | $ 12,199 | $ 26,047 | $ 7,559 | $ 3,888 | $ 3,131 | $ 13,950 |

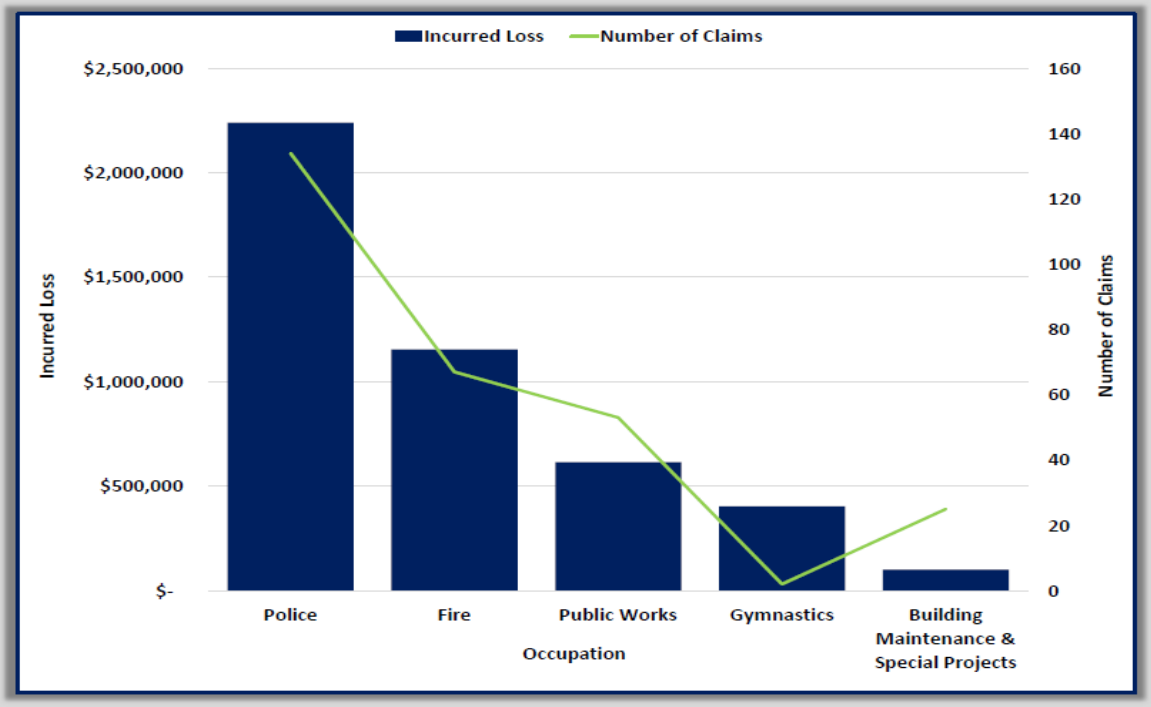
### Paid and Reserve Amounts by Period



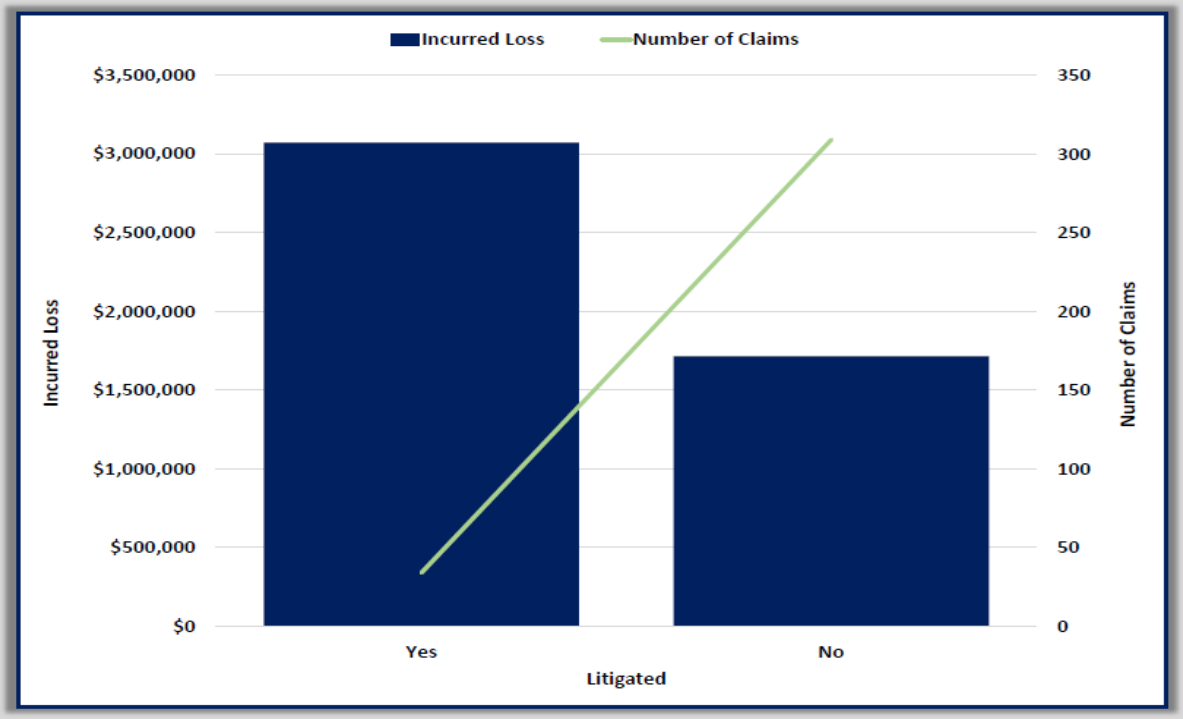
## Top Coverage Description



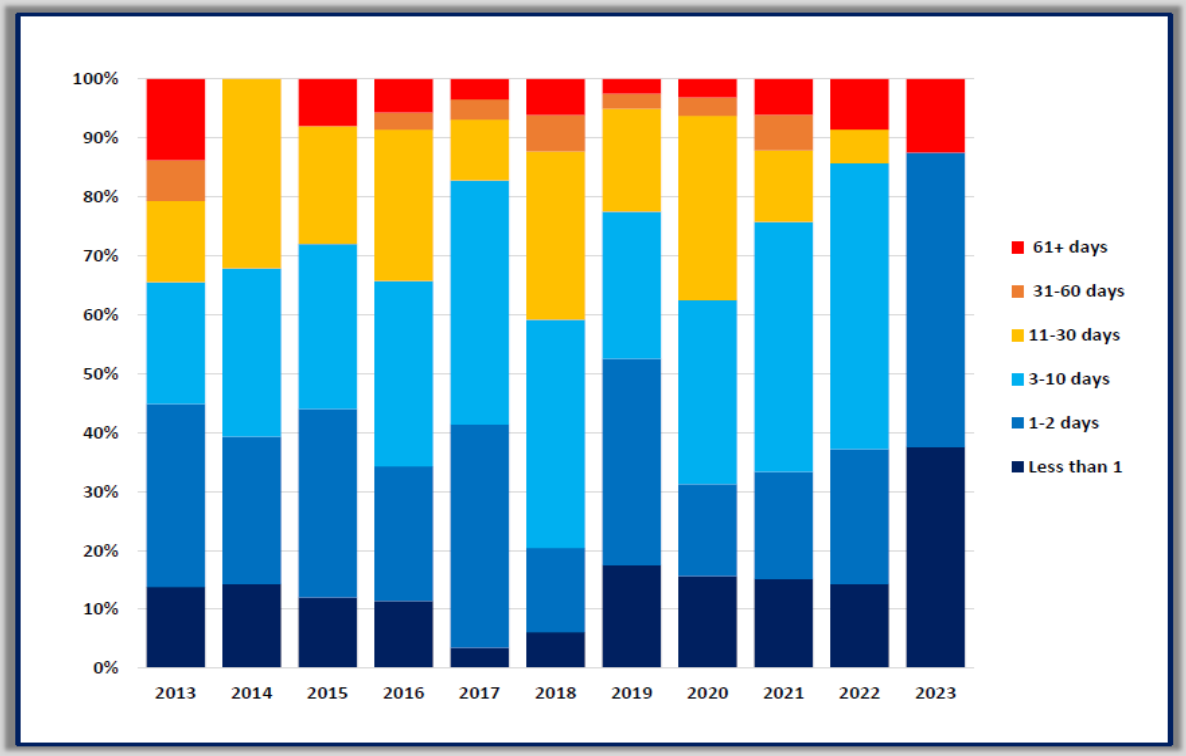

## Top Occupation



## Litigated Work Comp Claims




## Claim Reporting Lag



**16. Provide other related services as determined by the City at no cost to the City.**

**Brokerage:**

- Only broker in Florida to have access to 4 Florida public sector insurance pools.
- Strategic partnership with the Florida League of Cities program; Florida Municipal Insurance Trust.
- Fully transparent pricing (we cap wholesale intermediaries commission and disclose those amounts as well.)
- Consults largest private property owner in world-Blackstone, Inc.
- Developed real estate asset data management policy for Blackstone's $91 billion TIV, 93,000 locations across the world, including one of the largest captives in the world.
- Designed and established a $4 billion TIV property tower for 4 Public School Districts.
- Unrivaled ability to create deal tension and lower costs.
- Represent every public sector insurer.
- Independent & agnostic - we do not own any intermediary/wholesale brokers or Third-Party Administrators (TPA's).
- Dedicated flood division for audits of property schedule and rate 2.0 mapping audits.

**We Speak "Public Entity"**

- Public sector team has served in both State and City government.
  - Governor's Office
  - Mayor of Royal Palm Beach
  - Our Chief Legal Officer is a current member of the Florida Senate
- Director of Member services of Florida League of Cities sponsored Florida Municipal Insurance Trust.
- Developed largest property asset recovery program for over 200 Cities in Florida.
- Provided risk management programs to over 500 public entities of all sizes.
- FEMA claims, Stafford Act assistance.
  - State University System
  - Municipalities
  - Counties
  - School Districts
  - Single purpose special districts
- Team has overseen Florida's 2 largest self-Insurance pools as well as public entity specific brokerage.

**Extraordinary Customer Service:**

- Dedicated agent, single point of contact, experienced public sector client services team. Our team is available for text/email after hours.
- Extension of staff, supporting the City's Risk Management Department.
- Collaborative team approach draws on the strength of each team member.
- Corporate culture aligned to work as a team.
- Team aligned for delivering a VIP customer experience.
- Service timelines, stewardship reports, and same day call backs (goal is within 4 hours, 24 hrs. max)
- Unlimited decision support for staff, service requests, and questions.

- More than 5 team members assigned to the City for extraordinary customer service and built-in service redundancy.
- Unlimited availability for onsite meetings and board meetings, we serve the City.

**Claims (in house):**
- Work hand in hand with City's chosen insurance defense attorney.
- Work hand in hand with City's chosen TPA for fast and efficient claims handling.
- Provide claims advocacy and ability to push back on insurers when necessary.
- Work hand in hand with City's insurance defense attorney to minimize insurer financial desire to settle vs fight. We are aware of the risk of settling to soon and setting a precedent for trial attorneys.
- Chief legal officer (attorney) is also a Florida Legislator, keeping us apprised of legislative concerns that may impact our clients and insurance industry.
- VP of claims (attorney) heads up claims division and claims team who act as liaison to insurer claims adjuster.
- Employment & labor issues.
- Contract review & Disaster Response.

**Loss Control, Risk Management, & Client Resources Portal (in house):**
- Loss control platform and specialist assigned to the City.
- Creating and fostering a culture of safety.
- Improve safety and deliver actionable advice.
- Loss control plan customized to the City.
- Director of Risk Management assigned to the City.
- Policy language audit and gap analysis.
- Web based training, fleet maintenance, OSHA compliance, facility inspections, learning tools, analytics and more.
- Cyber Concierge including legal support, assessments, and best practices following a claim.
- Industry leading client resource portal.
- HR Hotline staffed by HR professionals.
- Learning Management System, including over 150 training courses (mobile ready) at no additional cost to the City.

**Data Analytics *"Data Dictates the Process"* (in house):**
- Director of Risk Management that manages Blackstone's data assigned to the City.
- Coordination of independent 3rd party property appraisal and key data points.
- Collection and data set organization (making data meaningful to the client)
- Utilizing data to determine true exposures, secondary underwriting factors for modeling, and benchmarking.
- Probable Maximum Loss (PML), Wind Modeling (FEMA accepted) pre scrub vs. post scrub.
- LORAN graphical analysis of claims (what if scenarios for historical retention levels)
- Property insurance data review and augmentation.
- Self-insured retention (SIR) trends, insights for optimizing SIR layers.

**FRP - Claims Services**

**Claims Administration/Adjusting:**
Our claims unit will provide advocacy throughout the claims process to ensure the most favorable settlement offer. We also will utilize David Lodwick's expertise in his former role as Head of Claims for the Florida League of Cities and utilize our knowledge of procedure to speed claims resolution whenever possible.

We believe in open and frequent communication with the City staff during the entire claims process to alleviate the burden on the City staff and achieve optimal outcomes. We will include quarterly and as needed meetings to satisfy the City's needs.

**Debbie Tappin** and her team will serve as liaisons for all claims; from notifying carriers to advocating for claim resolutions. Debbie brings a wealth of knowledge and experience, particularly with compensability questions. Debbie is also an attorney and licensed claims adjustor. Our commitment to loss control and found is exemplified by our commitment to staff.

Most claims departments, if any, are made up of former account managers or adjusters. Our staff is led by an attorney who was formerly defense counsel for several large insurers. These additional qualifications allow us to bring higher quality claims advocacy to our clients than what is typically provided by their brokers.

We work with your selected TPA's to receive all claims data and normalize this data into our systems to produce these reports on a regular basis for presentation to your team.

**Claims Management Overview:**
- Provide benchmarking data.
- Confirm coverage with loss adjusters appointed by the client in the event of claims being notified.
- Liaise with insureds and claims administrators.
- Proactively monitor and engage to assisting in closing out open claims.
- Quarterly Claims Review Process.
- Assist in settlement discussions and claim disputes.
- Review of claims protocols and areas to increase efficiency.
- Dedicated Team of Claims Professionals.
- Review of and Assistance with Reporting of Claims.
- Large Loss Strategy Development/Meetings.
- Loss Analysis and Recommendations.

# Claims Management – Differentiators

## In House Claims Legal Consultant

- Prior Litigation experience
- Claims Management experience
- Extensive experience handling all insurance lines of business
- Contract / Coverage review experience
- FAIA Legislative Counsel member
- Legal relationships

## Dedicated Claims Advocate

- Director of Client Services Advocacy with over 30 years of claims experience
- Advise on claims reporting/resolution
- Review & prepare all coverage reconsideration letters
- Coordinate Quarterly Claims Call on ALL open claims
- Partner w/ Loss Control (address claims frequency)
- Claim Updates provided prior to ALL policy renewals

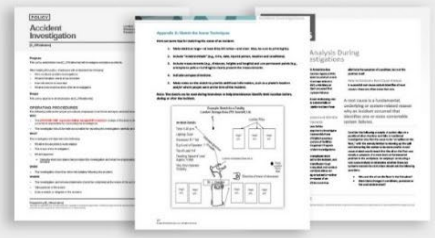
### INTERACTIVE RISK ANALYSIS TOOLS

Use these multifunctional tools to evaluate various industry pain points. Many of these tools can be customized for your organization's specific needs, so you can see how your business is faring and learn ways to manage your risk exposures.




### INJURY AND ILLNESS INVESTIGATION PROGRAMS

Make sure that injuries and illnesses only cost you a single time. These resources can help you establish best practices for investigating the true sources of workplace incidents and reduce the chance of costly reoccurrences.




### COMPLIANCE TOOLS

Mismanaging compliance topics can lead to costly fines and a tarnished reputation. Use these attorney-written compliance tools to understand recent federal legislation handed down by OSHA, the Department of Transportation and other government agencies, and make sure your business stays in compliance.



**FRP - Cyber Services**

**Cyber Concierge:**
- Provides real-time claim advocacy.
- Submits claims and handles the notification protocols on behalf of the client.
- 24/7 access for Q&A.
- Legal support during filing, notification, and mitigation process.

**Information Security Risk Assessment Tool:**
- The foundation for developing and implementing your WISP.
- Assessment is based on the ISO 27000 Security Framework Standard.
- Annual assessments are guided and reviewed by information security professionals.
- Assessment answers are entered and retained online.
- Compliance deficiencies that require remediation are identified, maintained, and managed online.

**Remediation Prioritization:**
- Recommendations for remediation prioritization based upon assessment findings.
- Easy visibility and continuous management of remediation priorities.

**Information Security Policies:**
- Complete set of enterprise-quality information security policies.
- Policies that can be downloaded, adapted, and uploaded again to the portal for central distribution and viewing online.
- Online access to policies for employees.

**Service Provider/Business Associate Management:**
- Enables you to survey all service providers/business associates regarding their critical information security capabilities.
- Addresses regulatory and contractual requirements.
- Survey results are color coded based on severity and delivered via an online dashboard for quick and easy monitoring of the WISP status of your vendor network.

**FRP - Flood Expertise on Staff**

One of the most overlooked lines of coverage to a coastal city in Florida is flood.

Jeff Bajza is an expert on the NFIP flood insurance manual, and he evaluates each risk independently to find the best ratings possible. He built his name and practice on flood expertise before becoming part of the FRP team. Many commercial businesses and public entity clients think that because the NFIP is a government program that there are not any differentiators or competitors, but that is simply not true.

We have contracts with all the major NFIP carriers including Wright flood, American Bankers, Hartford, etc. but we specialize in our ability to compare and provide alternatives to the NFIP marketplace with better terms, costs, and services.

We have multiple private market flood programs including one semi exclusive program. The private market is where we separate ourselves from a lot of our competition. The private market truly underwrites risk, and our approach is to bring an increased level of data to the marketplace to drive better pricing and terms. We also can write master policies with multiple locations.

We provide this free evaluation (NFIP vs. Private market) and the following services to all our clients:

**Letter of Map Amendments & Letter of Map Revisions:**

- We handle all LOMA and LOMR requests and save our clients hundreds of thousands of dollars annually while increasing the value of their properties. Correcting flood zones can result in savings of thousands of dollars per purchased policy.

**Elevation Certificates:**

- We manage the ordering of elevation certificates when needed and review existing elevation certificates for accuracy.

**Mitigation Evaluations:**

- Another critical differentiator is our mitigation services. We may recommend certain mitigation processes if it will help save premium. Flood proofing for example can help us positively change elevation differences which will save premium. This can be helpful during pre-construction especially. We have engineers available to make recommendations and sign the flood proofing certificates.

## Flood Audit Case Study:

**Full Summary:** Our firm provided a complete program analysis and audit of current coverages. Through review, on-site inspection, and discussions with the prospect, we identified that the current broker did not understand NFIP coverage forms and created a situation where duplicative coverage was provided through a separate flood policy that would never have responded in a loss scenario. We notified the carrier and petitioned for a return of premium. These requests can go back 5 years. We succeeded in our petition and the client did not renew, received premium from the current policy, and is in the process of receiving 4 prior years as well.

This audit resulted in a refund of *$14,098*, additionally during the audit process we discovered an uncovered claim that should have been covered, which resulted in an additional payment of *$80,000*. **Total money received = $94,098**

**Why it Matters to the City:**

- Our firm does not force reliance for all insurance matters on the primary point of contact.
- We create an integrated team with specific expertise that is additive to our ability to provide our clients best in class service, including specific expertise and industry knowledge.
- Our national support system allows us to bring the leverage and expertise of a top 20 firm with the day-to-day service of a local office. We do not have territories, separate P&L's, or separate goals that hinder our collaborative process.
- Our sole focus is how do we put together the best team and program for each client.



**Name of Member:** Jeff Bajza
**Office Address & Telephone Number:** 813-394-7617
1401 Forum Way, West Palm Beach, Florida 33401
251 Windward Passage Suite G, Clearwater Beach, Florida 33767
**Formal Education:** Graduate of UNC Charlotte – Class of '92
**Licenses Maintained in Florida:** 2-20 Resident General Lines Insurance Agent
**Years of Commercial Lines Experience:** 28+ Years

**2018 – Top Producer Recognized by Insurance Business America**
**2020 – Top Producer Recognized by Insurance Business America**

**Narrative:**
With almost three decades of experience in the insurance industry, Jeff boasts unparalleled knowledge and outstanding customer service, setting him apart from a vast majority of insurance professionals. He founded AmeriFlood in 2005, and through his many years of experience, has become a subject-matter expert on flood insurance.

Aside from his many years of valuable experience and extensive knowledge, Jeff has been integral in leading AmeriFlood to be voted one of the top insurance agencies in Fort Lauderdale – the last three years in a row. AmeriFlood is a subsidiary of Foundation Risk Partners.

**Employment History:**
- Founder and President, AmeriFlood I 18 Years
  - Business-owner of local well-respected independent insurance agency
  - Managing partner for 14 years, contributing to growth goals of the agency as well as successful transition to Acentria.
  - Successful in growing the reputation as a flood expert among many different classes of real estate.
- Owner, Allstate Agency | 4 Years
  - Business-owner of local well-respected independent insurance agency
  - Sold the business in 2006 and relocated to Florida.
- Founder and Owner, Jeff Bajza Agency in New Jersey | 10 Years
  - Business-owner of local well-respected independent insurance agency
  - Sold the business in 2002.

**Current Job Responsibilities:**
*Jeff is a subject matter expert in Flood Insurance and the NFIP program.* After becoming part of the Foundation Risk Partners family, Jeff is continually relied upon to bring additional resources and expertise to our clients. This knowledge has allowed us to differentiate ourselves from other mid-market brokers. This expertise has resulted in more savings, policy consolidation, and price smoothing compared to the NFIP programs.

**Expected Job Responsibilities for the City's Insurance Program:**
Jeff is expected to service within the same role for the City by reviewing and assisting in placement of the City's flood insurance program.



AmeriFlood

*A Foundation Risk Partners Company*

## Flood Program Offerings

At AmeriFlood, we are experts when it comes to the NFIP flood insurance manual and we evaluate each risk independently to find the best ratings possible. Many commercial businesses think that because the NFIP is a government program there are not any differentiators/competitors, but that is simply not true.

We have contracts with all the major NFIP WYO carriers including Wright flood, American Bankers, Hartford. etc. but we specialize in our ability to compare and provide alternatives to the NFIP marketplace with better terms, costs and services.




## Services Include

- **Letter of Map Amendments & Letter of Map Revisions**
  - We handle all LOMA and LOMR requests and save our clients hundreds of thousands of dollars annually while increasing the value of their properties.
- **Elevation Certificates**
  - We manage the ordering of elevation certificates and review them for accuracy.
- **Mitigation**
  - Another critical differentiator is our mitigation services. We may recommend certain mitigation processes if it will help save premium. Flood proofing for example can help us positively change elevation differences which will save premium. This can be helpful during pre-construction especially. We have engineers available to make recommendations and sign the flood proofing certificates.

## *EXPERT ADVISORY AND CONSULTATION SERVICES*

Whether placing a policy in the NFIP or in the private market, we specialize in working with lenders whether it be showing proof of coverage, compliance with their guidelines or requesting waivers in certain instances. We will work directly with the lenders if requested.

### *NFIP MARKETS*

We are experts when it comes to the NFIP flood insurance manual and we evaluate each risk independently to find the best ratings possible.

We have contracts with all the major NFIP WYO carriers including:

- Wright Flood
- American Bankers
  - Dedicated underwriters with American Bankers which separates us from a lot of our competition
- Hartford

### *PRIVATE MARKETS*

We have multiple private market flood programs including one semi exclusive program. The private market is where we separate ourselves from a lot of our competition. The private market truly underwrites risk, and our approach is to bring an increased level of data to the marketplace to drive better pricing and terms. We also have the ability to write master policies with multiple locations.

### *RECENT SUCCESS*

We recently competed against a national flood placement competitor for a placement for a top 3 national storage facility company. They were looking for a private market alternative to the NFIP that was mortgage company compliant, could be written with a common effective date and would save premium.

According to the risk manager, they had been asking the incumbent to put together a private option outside of NFP and incumbent was unable to present a viable option for the client.

After one meeting with the client AmeriFlood was able to deliver on all three objectives and write a compliant, master policy with a 21% savings.

FOUNDATION
RISK PARTNERS



# Tab 5

# Fees

- **Provide the firm's fee structure.**

**100% Independent & Agnostic:**
While we partner with the FMIT when it is best for our clients, **we have no ownership interest or financial incentive to place the City's account with any market or wholesale broker; our only focus is driving the best results for our client.** Furthermore, Foundation Risk Partners does not own any P&C wholesalers, intermediaries, or TPAs.

**This approach led to savings for the City of $330K+ year over year and included impactful coverage improvements.**

**FRP will not accept compensation for the insurance program currently in place, other than the FEE proposed, except for flood policies placed through the National Flood Insurance Program. FEMA issued a memorandum in April 2012 prohibiting the "rebating" or return of commission practice for NFIP flood policies. FRP adheres to this directive for all NFIP flood policies placed by FRP. A copy of the FEMA directive is available upon request.*

| Annual Contract Fee for RFP No. 2025-46 | |
|---|---|
| **Annual Total Flat Fee** | **$55,000/year** |

# Tab 6

# Required Forms

## Proposer Acknowledgment Form

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223

# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: **Agent of Record Property & Casualty Insurance**
RFP NUMBER:**2025- 46**
RFP OPENING DATE & TIME: **June 24, 2025 at 2:00 PM**
RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**
PRE-PROPOSAL MEETING DATE & TIME: **None**
PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: Foundation Risk Partners Public Entity Services

PROPOSER'S MAILING ADDRESS: 780 W Granada Blvd.

CITY-STATE-ZIP: Ormond Beach, FL 32174

F.E.I.N.: 81-5191759
PHONE NUMBER: 386-999-0001

EMAIL: jseidl@foundationrp.com
If returning as a "No Submittal", please state reason (s

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

Ross Beach
NAME (TYPED)

Director of Risk Management
TITLE

6/16/25
DATED

Page 1 of 26

## Verification of Employment Status Using E-Verify System

# City of Ormond Beach
# Request for Proposals (RFP)
# Agent of Record Property & Casualty Insurance
# (RFP No. RFP 2025-46)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

2. Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

3. Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

4. Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

5. Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

Foundation Risk Partners Public Entity Services
COMPANY NAME

AUTHORIZED SIGNATURE

Ross Beach
NAME

Director of Risk Management
TITLE

6/16/25
DATE

**RFP Response Form**

**City of Ormond Beach**
**Request for Proposals (RFP)**
**Agent of Record Property & Casualty Insurance**
**(RFP No. RFP 2025-46)**

## RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| 6/17/2025 | #1 |
| | |
| | |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: Foundation Risk Partners Public Entity Services

VENDOR/CONTRACTOR LICENSE NUMBER: L100460

ADDRESS: 780 W. Granada Blvd., Ormond Beach, FL 32174

PHONE NO.: 386-999-0001 FAX NO.: 386-777-2819

SUBMITTER'S NAME: Ross Beach
(Typed or Printed in Ink)

TITLE: Director of Risk Management

**AUTHORIZED SIGNATURE**: I, _____ hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

**Conflict, Non-Conflict of Interest Statement Litigation Statement**

*THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL*

## City of Ormond Beach
## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[X] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Foundation Risk Partners Public Entity Services
COMPANY NAME

AUTHORIZED SIGNATURE

Ross Beach
SIGNER'S NAME (PRINT OR TYPE)

Director of Risk Management
TITLE

6/16/25
DATE

*THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL*

## Drug-Free Workplace Certification Form

**City of Ormond Beach**
**Request for Proposals (RFP)**
**Agent of Record Property & Casualty Insurance**
**(RFP No. RFP 2025-46)**
**CITY OF ORMOND BEACH, FLORIDA**
**DRUG-FREE WORKPLACE CERTIFICATION**

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Foundation Risk Partners Public Entity Services
Company Name

Authorized Signature

Ross Beach
Print Name

Director of Risk Management
Title

## Affidavit of Compliance with Section 287.138, Florida Statutes

**AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES**

**AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN**

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Director of Risk Management (Title) of Foundation Risk Partners Public Entity Services (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: June 16, 2025 Signed: [signature]

Entity: Foundation Risk Partners Public Entity Services Name: Ross Beach

Title: Director of Risk Management

STATE OF: Florida COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 16th day of JUNE, 20 25, by ROSS BEACH and who: ☒ is personally known to me; or ☐ has produced _____ as identification.

ROBERT

Notary Public, State of Florida at Large:

*Printed Name/Seal of Notary, Commission and Expiration Date:*

(seal)

ROBERT P. BERK
Commission # HH 453449
Expires October 11, 2027

My commission expires: 10/11/27

***This document must be completed and returned with your Submittal***

Page 25 of 26

## Human Trafficking Affidavit

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Ross Beach. I am over the age of Twenty-one years old. I am the Director of Risk Management (Title) of Foundation Risk Partners Public Entity Services (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: June 16, 2025

Signed: [signature]
Print Name: Ross Beach
Title: Director of Risk Management

SUBSCRIBED AND SWORN before me by means of [X] physical presence or [_] online notarization on the 16TH day of JUNE, 2025 by ROSS BEACH as DIR RISK MGMT on behalf of FOUNDATION RISK PARTNERS who is personally known to me or who has produced _____ as identification.

(Notary Seal)

[signature]
Notary Public, State of FLORIDA
*Printed name, commission and expiration of commission term*

ROBERT P. BERK
Commission # HH 452442
Expires October 11, 2027

**This document must be completed and returned with your Submittal**

Page 26 of 26

## FRP Certificate of Insurance

FOUNRIS-04 TQUINN

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/25/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | |
|---|---|
| PRODUCER<br>KMRD Partners Risk and Insurance Solutions - Warrington<br>2600 Kelly Road, Suite 120<br>Warrington, PA 18976 | CONTACT NAME:<br>PHONE (A/C, No, Ext): (267) 482-8390 FAX (A/C, No): (267) 482-8431<br>E-MAIL ADDRESS: contactus@kmrdpartners.com |
| INSURED<br>Foundation Risk Partners Public Entity Services<br>780 W Granada Blvd<br>Ormond Beach, FL 32174 | INSURER(S) AFFORDING COVERAGE — NAIC #<br>INSURER A : Federal Insurance Company — 20281<br>INSURER B : ACE American Insurance Company — 22667<br>INSURER C :<br>INSURER D :<br>INSURER E :<br>INSURER F : |

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE X OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>POLICY PRO-JECT X LOC<br>OTHER: | | | 36072109 | 4/1/2025 | 4/1/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG<br>POLICY AGGREGAT | $ 1,000,000<br>$ 1,000,000<br>$ 10,000<br>$ 1,000,000<br>$ 2,000,000<br>$ 2,000,000<br>$ 10,000,000 |
| A | AUTOMOBILE LIABILITY<br>X ANY AUTO<br>OWNED AUTOS ONLY<br>SCHEDULED AUTOS<br>X HIRED AUTOS ONLY<br>X NON-OWNED AUTOS ONLY | | | 73626085 | 4/1/2025 | 4/1/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident) | $ 1,000,000<br>$<br>$<br>$ |
| A | X UMBRELLA LIAB X OCCUR<br>EXCESS LIAB CLAIMS-MADE<br>DED X RETENTION $ 0 | | | 78195678 | 4/1/2025 | 4/1/2026 | EACH OCCURRENCE<br>AGGREGATE<br>Aggregate | $ 25,000,000<br>$<br>$ 25,000,000 |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N N / A<br>If yes, describe under DESCRIPTION OF OPERATIONS below | | | (26)71836285 | 4/1/2025 | 4/1/2026 | X PER STATUTE OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | $ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
**Named Insured Schedule:**
**FRP Investors II, L.P.**
**FRP Holdings, Corp.**
**FRP Parent II, Corp.**
**Foundation Risk Partners, Corp.**
**Synetro-CSG Holdings, LLC**
**Corporate Synergies Holdings, LLC**
**SEE ATTACHED ACORD 101**

**CERTIFICATE HOLDER**

City of Ormond Beach
22 South Beach Street
Ormond Beach, FL 32174

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

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AGENCY CUSTOMER ID: FOUNRIS-04 TQUINN
LOC #: 1

# ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

| AGENCY | NAMED INSURED |
|---|---|
| KMRD Partners Risk and Insurance Solutions - Warrington | Foundation Risk Partners Public Entity Services<br>780 W Granada Blvd<br>Ormond Beach, FL 32174 |
| POLICY NUMBER<br>SEE PAGE 1 | |
| CARRIER: SEE PAGE 1 — NAIC CODE: SEE P 1 | EFFECTIVE DATE: SEE PAGE 1 |

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:
Corporate Synergies Group, LLC
Foundation Real Estate Purchasing Group, LLC
Harbor Management Group, LLC
Homeland Management, LLC
Millenium Asset Management, Inc.
The L. Warner Companies, Inc.
FRP Insurance Services, LLC

Any Subsidiary of the Named Insured is included as an Insured per the policy terms and conditions.

City of Ormond Beach is included as Additional Insured with respect to the General Liability and Auto Liability when required by written contact. 30 days' notice of cancellation, except for 10 days for non-payment of premium, will be provided to the certificate holder by the carrier with regard to the General Liability when required by written contract. )

ACORD 101 (2008/01)

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# City of Ormond Beach
## Request For Proposals #2025-46

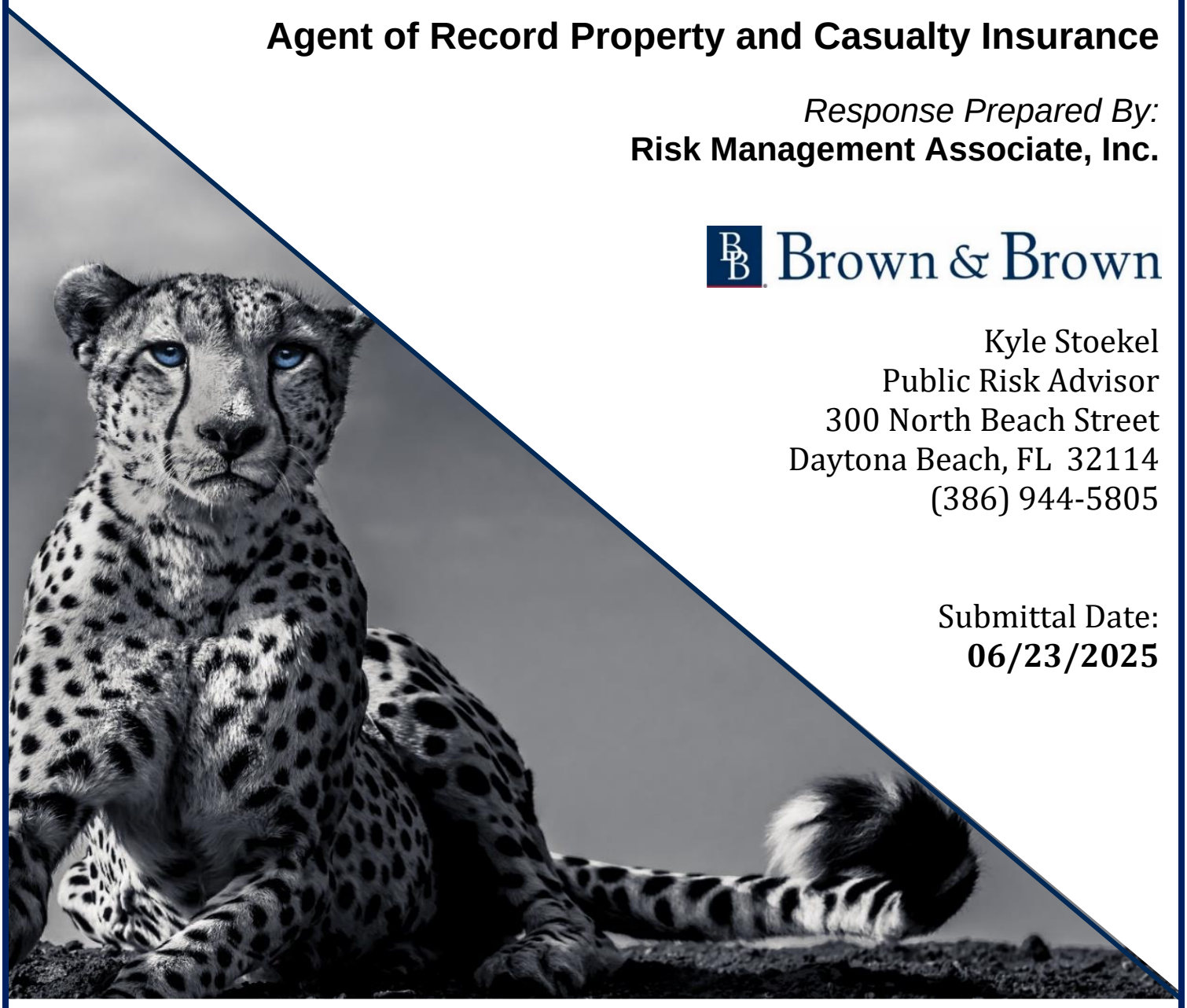
### Agent of Record Property and Casualty Insurance

*Response Prepared By:*
**Risk Management Associate, Inc.**

Brown & Brown

Kyle Stoekel
Public Risk Advisor
300 North Beach Street
Daytona Beach, FL 32114
(386) 944-5805

Submittal Date:
**06/23/2025**



# City of Ormond Beach

## Request for Proposal #2025-46
## Agent of Record Property and Casualty Insurance


| | Section |
|---|---|
| **Cover Letter** | **1** |
| **Background and Experience of Firm** | **2** |
| **Scope of Services** | **3** |
| **Fees** | **4** |
| **Required Forms** | **5** |

Brown & Brown Certificate of Insurance
Business Tax Receipt
Conflict, Non-Conflict of Interest Statement/Litigation Statement
Drug Free Workplace Certificate
E-Verify Statement

# Section 1
## Cover Letter

Risk Management Associates Inc.
300 North Beach Street (32114)
P.O. Box 2412 Daytona Beach, FL 32115
(386) 333-6008
Matt.Montgomery@bbrown.com

Brown & Brown

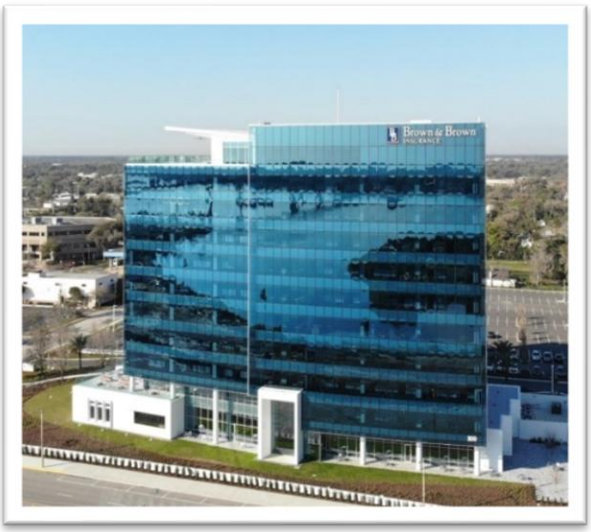
June 24, 2025

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174

**RE: Request For Proposal #2025-46 - Agent of Record Property and Casualty Insurance**

Dear Mr. Hart,

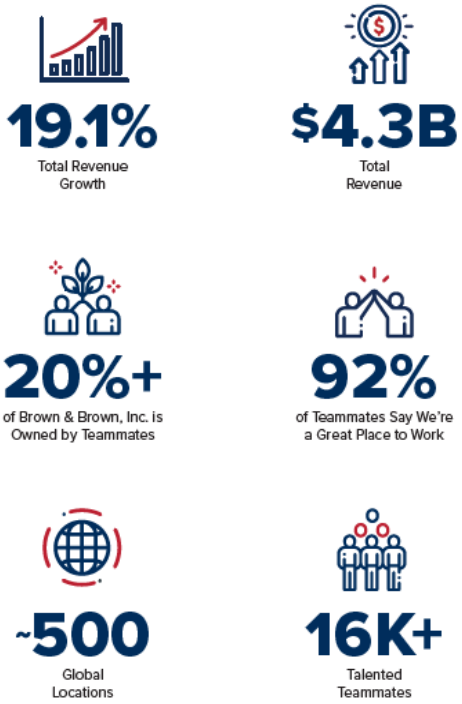
On behalf of Brown & Brown Public Sector (d.b.a. Risk Management Associates, Inc.) we are pleased to submit our bid for the City's Agent of Record Property and Casualty Insurance solicitation. It is our intent to demonstrate our firm's willingness and ability to meet and exceed the terms requested. Our philosophy is, and always will be, to ***exceed our clients' expectations while maintaining high professional and ethical standards.***



The Brown & Brown Public Sector team – based in Volusia County - is comprised of highly specialized insurance advisors trained to deliver industry-leading brokerage services to public entities in the State of Florida. For over 80 years, we have continuously refined that specialization and enhanced our services enroute to becoming the largest public entity brokerage in Florida. Our team provides **Property & Casualty and Employee Benefits consulting, brokerage and insurance services to more than 250 Florida governments, including more than 100 Cities, Counties and School Boards.**

Brown & Brown's rich culture spans more than eight decades; from our early beginnings as a family-owned business in Daytona Beach to our current status as one of the five largest insurance brokerages in the World, a publicly traded company, and a member of the S&P500 – Brown & Brown has continued to develop and enhance not only our client services, but our teammates and carrier relationships as well. All of this has been accomplished with unwavering commitment to remain rooted right here in Volusia County, Florida. That commitment was reaffirmed with the 2021 completion of our new Daytona Beach headquarters and campus on Beach Street (pictured above).

The 86-year growth of our company has pushed our company beyond 495 offices nationwide, housing more than 16,000 teammates. In Florida, more than 50 offices and 3,000 teammates are responsible for the design, placement, and servicing of annual insurance premiums exceeding $2.6 Billion.




You will find in our response there are many compelling reasons why our company is best suited to serve the City. We are an independent and unbiased brokerage firm, not an insurance carrier. We will act as your advocate and consultant on all risk matters. Our objective is to reduce your insurance cost, reduce the City's risk exposure and optimize your risk management program. Our services and methodologies are solely focused on our clients' needs and not on improving insurance carriers' outcomes.

Our team delivers industry-leading results and administrative services. The key components of our service offering include the following:

- Risk Exposure Identification and Analysis
- Insurance Program Design, Marketing, and Placement within Budgetary Objectives
- Enterprise Risk Management Consulting
- Concierge-Level Service and Administrative Support
- Claims Advocacy – Onsite Disaster Claims Coordination and Resources
- Safety & Loss Control and Claims Mitigation Strategies
- Insured Asset Schedule Management
- Communicate Legislative Impacts, Industry Trends and Market Conditions

Our accomplishments and successes are best conveyed through our 98% retention. We highly encourage the City to reach out to all of the clients referenced in our proposal.

The person authorized to make representations for RMA (Brown & Brown Public Sector) is Mr. Matthew Montgomery. Contact information for Mr. Montgomery is as follows:

Sincerely,

Matthew Montgomery
Executive Vice President
300 N. Beach St., Daytona Beach, FL 32114
Matt.Montgomery@bbrown.com
(386) 239-7245 Direct Office

## Request for Deviations

**Page 18 of 26, D. #1**
Our policies are not specifically endorsed to add an additional insured, therefore, we cannot provide the prior written notice of such cancellation, non-renewal or change. Brown & Brown Public Sector will endeavor to notify the City in the event of any actions noted above are taken.

**Page 19 of 26, D. #3**
Our insurance policies are considered proprietary information and cannot be provided upon request.

**Page 19 of 26, D. #4**
Brown and Brown Public Sector cannot agree to this.

**Page 19 of 26, E. #4**
Brown & Brown Public Sector can only do Additional Insured on General Liability policies, not Automobile Liability policies.

# Section 2

## Background and Experience of Firm

## Section 2 – Background and Experience of Firm

**1. Describe the firm's experience working with municipalities of similar size in the state of Florida. Provide a list of all public employee/government clients for the past three years. Provide contact information for at least three municipal clients.**

## Our Experience & Success

Our team currently controls the insurance programs for more than **100 Cities, Counties and School Boards in Florida**. We are confident in our ability to seamlessly and quickly transition the City back to the highest levels of services, consulting and results. We specialize in risks similar to the size and scope of the City of Ormond Beach and the clients below are our just some of our local public entity accounts with which we have worked with over the past three years.

- Volusia County
- Flagler County
- City of Port Orange
- Town of Ponce Inlet
- City of Daytona Beach Shores
- City of Daytona Beach
- City of New Smyrna Beach
- City of South Daytona
- City of Holly Hill
- City of Palm Coast
- Volusia County Schools
- New Smyrna Beach Utility Authority
- City of DeLand
- City of Edgewater

The clients below are our some of our additional public entity accounts throughout the State of Florida with which we have worked directly over the past three years.



- The State of Florida
- Palm Beach County
- Hillsborough County
- Lee County
- Collier County
- Brevard County
- Marion County
- City of Miami
- City of Ocala
- City of Ft. Lauderdale
- City of Sarasota
- City of Tallahassee
- City of Naples
- City of Punta Gorda
- City of Parkland
- Town of Davie
- City of Palm Bay
- City of St. Cloud
- City of Jacksonville
- Leon County Schools
- Osceola County Schools
- Collier County Schools
- Lee County Schools
- Pasco County Schools
- Pinellas Suncoast Transit Authority
- Hillsborough Area Transit

## Florida Public Entity Footprint




**Our clients, from Key West to the Florida Panhandle, purchase an excess of $250 Million in annual insurance premiums.**

**This includes large, complex Risk Management Programs such as Cities of Miami, Sarasota, Tallahassee, Jacksonville, Fort Lauderdale, Ocala, and the Counties of Palm Beach, Volusia, Flagler, Collier, and Hillsborough.**

We have proven over 7 decades of service to local governments that we are a highly organized and accountable team of insurance professionals, laser-focused on providing both world-class brokerage services and concierge-level support to our clients.

Our strong reputation was built by empowering our governmental clients to outperform their industry peers, lower total cost of risk, and enhance risk management programs - all within annual budgetary constraints. We serve those who serve the public.

Powered by a culture that values high performance and perseverance, Brown & Brown is the most efficient operating platform in the insurance brokerage business. We consistently deliver high-quality solutions and services to a broad array of customers. Our culture is built on integrity, innovation, superior capabilities, and discipline. We view insurance differently and use our experience, carrier relationships, and principled customer focus to deliver first-class service and solutions.

"Our institutional knowledge of Florida public entities is a clear advantage for Brown & Brown Public Sector. We understand the intricacies of the industry & marketplace and will implement short-term, attainable goals that will complement the long-term objectives of the City."

## City of Sarasota

### Total Insured Property $256M – 950 employees

John Powers, Risk Manager
Email: John.Powers@sarasotafl.gov | Phone: (941) 263-6339

Brown & Brown Public Sector was awarded the City's Agent of Record in a statewide Request for Qualifications process in 2009, 2014, 2019, and 2024. We manage all property, casualty, and workers' compensation insurance programs. Since becoming the City's Agent of Record, we have accomplished the following:

- Identified the need to put NFIP policies in place and successfully coordinated the placement of 9 NFIP policies. By doing so the City obtained an additional $3,500,000 of flood coverage.
- In 2021 we performed a comprehensive analysis of the City's liability risk retention and transfer program resulting in a more cost-effective strategy for risk financing.
- Brown & Brown Public Sector improved the insurance requirements and indemnification language for all City contracts by drafting standardized insurance requirements and procedures for all departments to follow. The review and improvement of contract language is a continuous process, and changes are made regularly.
- In the most recent property insurance renewal (April 2024) we presented alternative risk financing options. The Van Wezel Theater has been the City's main driver in the CAT model year over year. This risk was perceived by underwriters as unfavorable due to the location and construction type. We performed modelling with and without this building as well as provided the City with multiple options to assist with lowering the City's total cost of risk.
- These efforts provided the City with a 12% premium savings on the 2024 property renewal.
- After the 2024 Hurricanes, our team provided disaster recovery consultation and coordinated field adjusting to ensure a seamless process with repairs and FEMA public assistance.

# City of Jacksonville

## Total Insured Property $3.2B – 10,000 employees

Tracy Flynn, Chief of Risk Management
Email: tflynn@coj.net | Phone: (904) 255-5310

Brown & Brown Public Sector was awarded Broker of Record in 2018 as a result of a statewide RFQ process. We currently manage all the property, casualty, excess liability, and excess workers compensation insurance programs. Accomplishments and improvements include:

- Renewed 8 general liability and two excess workers compensation policies with mostly flat rates and provided significant coverage improvements.
- Provided rate stabilization with several multi-year policy options.
- Cyber Security & Privacy - Secured, placed and service this additional line of coverage.
- Special Event - Secured, placed and service this additional line of coverage to provide effective risk transfer from the self-insured fund.
- Marine – Through an RFP process successfully secured and placed coverage for the City's marine exposures. This currently includes the various department's watercraft, wharfinger liability and excess.
- Special Excess Medical Professional Liability - Through an RFP process, secured and placed $10M limit policy for detention centers and jails.
- In each of the above cases, we were able to achieve premium reductions and broader coverage terms and conditions.

Our achievements and immediate successful results for the City lead to Brown & Brown Public Sector being chosen as the City's Broker of Record for Property through a separate RFP process in 2019. Notable achievements include:

- Implementation of a formal Property and Fine Arts Insurance to Value Appraisal conducted by third parties. The Brown & Brown Public Sector team performed a full review and comparison of the existing property and fine arts exposures, then produced an updated statement of values for the 2020 renewal. This necessary review resulted in discovery of unscheduled items, removal of duplications and demolished buildings and ultimately lead to a 12.8% increase in values.
- Full property market solicitation, which includes coordination with the City's Risk Management team attending meetings with the individual existing and prospective insurance company underwriters. Domestic meetings with over 20 interested markets occurred in Atlanta and formal presentations were made to the London marketplace in December. This ultimately drove a very successful renewal given the current state of the marketplace.

# City of Fort Lauderdale

## Total Insured Property $593M – 3,000 Employees

Guy Hine, Risk Manager
Email: GHine@fortlauderdale.gov | Phone: (954) 828-5494

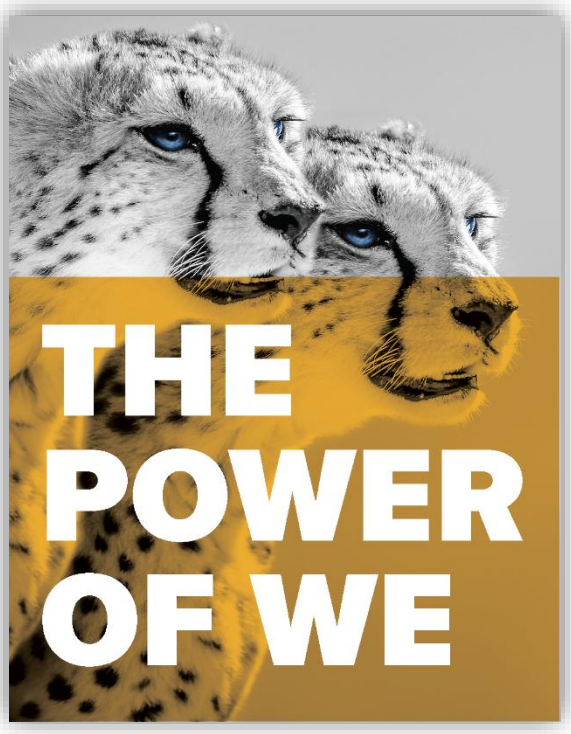
Brown & Brown Public Sector was awarded the City's Agent of Record in a statewide Request for Qualifications process in 2009, 2013, 2017 and in 2021. We manage all property, casualty, and workers' compensation insurance programs. Since becoming the City's Agent of Record, we have accomplished the following:

- In April 2010, we reduced the total property premium by $167,288 (8%) while also increasing the overall property insurance limit from $100M to $150M. This was achieved by utilizing a specialty insurance market relationship.
- Identified the need to put NFIP policies in place and successfully coordinated the placement of 71 NFIP policies. By doing so the City obtained an additional $40,921,000 of flood coverage.
- Provided an accurate wind and flood model which resulted in putting the City in a much better position to negotiate favorable terms with property insurance carriers.
- Provided significant improvement to the property schedule by providing secondary building characteristics and thereby improving wind model output and accuracy.
- We provided a comprehensive wind and flood model report that disclosed the top 9 locations where the potential for wind loss was the greatest. The model also included flood zones and most importantly, proximity to flood zones.
- Brown & Brown Public Sector improved the insurance requirements and indemnification language for all City contracts by drafting standardized insurance requirements and procedures for all departments to follow. The review and improvement of contract language is a continuous process, and changes are made regularly.
- In the 2023 property insurance renewal (February 2023) we were able to negotiate a very low rate increase of only 12.3%. This compares very favorably with other risks that were experiencing 40% and higher rate increase.
- We also exceeded expectations in the 2024 renewal with a 20% increase in rate despite a $10M flood loss in April 2023. This renewal also resulted in improved coverage terms.
- As we finish wrapping up the 2025 Property renewal, we were able to secure another rate decrease, lowered named storm deductibles, and improved terms.

**2. Provide resumes for the firm owners, key management personnel, and dedicated account team including account executive, client representatives, and any other administrative support personnel interacting with the City.**

## Our Team Experience

Brown & Brown Public Sector is a team of passionate, motivated, and hard-working insurance industry leaders who are extremely excited and ready to work with the City on a partnership focused on long-term goals and improvements to the current program with an injection of expertise, energy, and fresh ideas. Our company believes in The Power of WE – we are a team, and we are better together.




Our entire team of insurance professionals is cross-trained and educated on all accounts, which provides continuity and exceptional service standards. Our proactive approach includes establishing a calendar of events with our clients which maintains the insurance program in real-time and assures that we are aware of and available for important meetings, events, and deadlines including communication expectations and reporting requirements. It is our service model to immediately identify and document client expectations and to meet those needs on a daily and ongoing basis.

Part of the Brown & Brown culture is our endless pursuit of learning. All teammates within Brown & Brown are required to maintain the required national, state, and local licensures. All teammates also are mandated to complete annual training programs and other focused education requirements. 2023 required courses include cyber risk management, ethics, compliance, HIPAA, and licensure requirement review. These requirements ensure higher knowledge and consistency between our professionals and therefore also in the of quality service for our clients.

Brown & Brown University (BBU) has been developed over the past 10 years to provide in-house education to ensure teammates receive technical training, advanced learning, market navigation, leadership skills, product and presentation innovations, and best practices within our culture.

Increasing our knowledge of the insurance industry helps us to stay focused on our core operations and enhances the company's ability to sell and service insurance. In addition to obtaining and maintaining the proper state licenses, teammates and leaders are encouraged to pursue insurance related designations. The educational programs that encompass these designations serve two important purposes. First, the coursework provides insurance professionals with an in-depth

understanding of industry practices. Second, having achieved these designations illustrates an insurance professional's expertise in their field to prospective clients.
Brown & Brown has partnered with some of the organizations that offer continuing education and designation programs for the insurance industry including The Institutes, The National Alliance for Insurance Education, The National Association of Benefits and Insurance Professionals, The National Underwriter Company, and The American College. These partnerships give teammates discounts on their education costs. In addition, we reimburse employees for all their education costs.

Our team's collective experience exceeds **300 years**, and all teammates are encouraged to continue their pursuit of knowledge by continuing educational endeavors. As a result, most teammates hold professional insurance/risk designations, including:

- Bachelor of Science – Risk Management/Insurance
- AIDA – Associate in Insurance Data Analytics
- ARM-P – Associate in Risk Management for Public Entities
- RMPE – Completion of Risk Management for Public Entities
- CIC – Certified Insurance Counselor
- CISR – Certified Insurance Service Representative
- CPCU – Chartered Property Casualty Underwriter
- CRIS – Construction Risk and Insurance Specialist
- CRM – Certified Risk Manager
- GBA – Group Benefits Associate
- GBDS – Group Benefits Disability Specialist
- GWPC -Certified Wellness Program Coordinator
- VBS – Voluntary Benefits Specialist
- CEBS – Certified Employee Benefits Specialist

## Proposed Service Team

| Key Service Team Member | Responsibilities for City of Ormond Beach |
|---|---|
| **Steve Farmer**<br>Executive Vice President<br>28 Years of Experience | * Executive oversight, communications, and presentations<br>* Liaison to top management at insurance companies, as needed |
| **Matthew Montgomery**<br>Executive Vice President<br>20 Years of Experience | * Executive oversight of servicing office<br>* Authorized to execute contracts<br>* Executive level communications and presentations<br>* Communicate legislative developments |
| **Kyle Stoekel ARM-P, CIC, CRM**<br>Public Risk Advisor<br>10 Years of Experience | * Execute all aspects of insurance program placements and broker services<br>* Risk Management Consultation<br>* Creation and assembly of reports<br>* Program analysis, negotiations, and placement.<br>* Claims review and response advocate, overall program implementation |
| **Robin Russell, ARM-P, CSRM, CISR**<br>Vice President/Account Executive<br>21 Years of Experience | * Client relationship management<br>* Policy oversight and renewal Liaison between carrier and client regarding claims and servicing |
| **Tiffany Hill**<br>Client Services Leader<br>10 Years of Experience | * Leads the service team handling any major service issues<br>* Oversees process management<br>* Maintain quality control standards<br>* Development of customer service resources |
| **Melody Blake, ACSR**<br>Senior Public Risk Specialist<br>30 Years of Experience | * Backup to Ms. Russell<br>* Senior account manager backup to assist in Service and Marketing<br>* Quote/Binder/Policy review for accuracy<br>* Invoicing, certificates and general inquiries<br>* Property, Auto and Inland Marine schedule maintenance |
| **Trish Jenkins, CPSR**<br>Senior Public Risk Specialist<br>29 Years of Experience | * Backup to Ms. Blake<br>* Additional contact for service and Certificates of Insurance requests<br>* Claims processing and handling<br>* National Flood Insurance Program (NFIP) specialist |
| **Gary Raia, ARM**<br>Loss Control Consultant<br>30 Years of Experience | * Expert in safety and loss mitigation techniques<br>* Loss trending and recommendations<br>* Available on-site |
| **Jessica Conway**<br>Public Risk & Claims Specialist<br>3 Years of Experience | * Certificates of insurance and issuance<br>* Claims reporting and file management<br>* NFIP Flood program policy administration<br>* Other daily servicing duties |

The above table includes the proposed, dedicated service team for City of Ormond Beach. Our team handles risk management and insurance exclusively for public entities across the State of Florida.

Brown & Brown is built on a culture of merit. Meritocracy, meaning our people are rewarded and elevated based on their merit, hard work and professional achievements. Teammates are encouraged to continuously expand their industry knowledge and set their own goals. Our teammate culture has allowed Brown & Brown to achieve multiple "best workplace" awards.













*Fortune* Best Workplaces for Women™ 2024

*Fortune* Best Workplaces in Financial Services & Insurance™ 2024

*Fortune* Best Workplaces for Millennials™ 2024

Detailed resumes including years of industry experience and insurance designations can be found on the following pages.

## Brown & Brown Leadership

### J. Hyatt Brown CPCU, CLU – Chairman of the Board

Mr. Hyatt Brown was our Chief Executive Officer from 1993 to 2009 and our President from 1993 to December 2002 and served as President and Chief Executive Officer of our predecessor corporation from 1961 to 1993. He was a member of the Florida House of Representatives from 1972 to 1980 and Speaker of the House from 1978 to 1980. Mr. Brown served on the Board of Directors of International Speedway Corporation, a publicly held company, until 2019, and he previously served on the Board of Directors of Verisk Analytics, Inc. (formerly Insurance Services Office). Mr. Brown is a member of the Board of Trustees of Stetson University, of which he is a past Chairman, and the Florida Council of 100.

### J. Powell Brown, CPCU – Chief Executive Officer

Mr. Powell Brown was named Chief Executive Officer in July 2009. He has been our President since January 2007 and was appointed to be a director in October 2007. Prior to 2007, he served as one of our Regional Executive Vice Presidents starting in 2002. Mr. Brown was previously responsible for overseeing certain or all parts of our segments and worked in various capacities throughout the Company since joining us in 1995. Powell serves on the board of Camp Boggy Creek, a non-profit camp for chronically ill children. He is a member of the board of trustees of The Institutes and serves as secretary of The Council board (formerly CIAB). He is also on The Juilliard School Board of Trustees.

### P. Barrett Brown – President of Retail Segment

As president of the Retail segment, Barrett Brown is responsible for leading Brown & Brown's growing number of retail offices across the country and in select global markets. He also oversees Brown & Brown University, the company's technical sales, service and leadership training program that provides vital training for Brown & Brown teammates throughout the organization. Barrett began his insurance career in the commercial account department at Chubb Group of Insurance Companies in 1996 before transitioning to Brown & Brown in 1999.

Barrett's emphasis has been on revamping marketing infrastructure and improving business development efforts for the Retail segment. He has a disciplined focus on doing what is best for our customers and is driven to deliver agile solutions and improved customer experiences today and into the future. Barrett believes that teammates are the lifeblood of our business. He remains true to the Brown & Brown vision of being in the people recruiting and enhancing business, which includes finding talent, mentoring and aligning teammates across the business and giving them the opportunity to grow and succeed within the organization. He resides in Georgia with his wife and two children. Barrett is a graduate of the University of Florida.

## Steve Farmer, Executive Vice President

Steve Farmer is responsible for Brown & Brown's Daytona Beach office including sales, service, and operations. Steve has over 25 years of insurance industry experience with Brown & Brown and has worked with many public entities over his career. Steve will serve as a resource in expediting the resolution of any critical matters with top management at the insurance companies on behalf of our customers and their employees.

## Matt Montgomery, Executive Vice President

Matt Montgomery leads the Brown & Brown Public Sector team with almost 20 years of experience in Federal and State Government and more than a decade representing Florida Local Government Property, Casualty and Employee Benefits Programs. Matt is particularly adept at aiding clients with presentations to executive staff and elected officials in order to achieve programmatic objectives around budget, plan administration, long term vision, and industry trends. As part of his duties as Sales Leader, Matt not only drives strategic sales initiatives but also mentors and develops his sales team, equipping them with the knowledge and skills needed to deliver outstanding benefit solutions. Mr. Montgomery earned his bachelor's degree in philosophy from Florida State University. He holds his Florida 2-15 Life, Health and Variable Annuities as well as 2-20 General Lines Agents license.

## Brown & Brown Public Sector Key Teammates – Pages to Follow



## KYLE STOEKEL, ARM-P, CIC, CRM

**Public Risk Advisor**

### EDUCATION, LICENSES, & CERTIFICATIONS

- University of Florida, Bachelor of Science, Interdisciplinary Studies
- State of Florida, 2-20 General Lines License
- The Institutes, Associate in Risk Management- Public Entity (ARM-P)
- Society of Certified Insurance Counselors (CIC)
- The National Alliance, Certified Risk Manager (CRM)

### SKILLS

- Catastrophe Modeling Interpretation and Analysis
- Property Insurance Benchmarking
- Exposure Analysis and Evaluation
- Contract Review and Recommendation
- Risk Transfer & Retention Evaluation and Recommendation
- Workers Compensation Class Code Audit

### CONTACT

Kyle Stoekel
*Public Risk Advisor*
Kyle.Stoekel@bbrown.com
C: (386) 405-2444
300 North Beach Street
Daytona Beach, FL 32114

### Experience

Kyle Stoekel has 10 years of government experience including managing Public Entity programs and providing high level risk management and insurance expertise. His experience includes leading service and marketing teams, data analytics, stewardship reporting, providing contract review & recommendations. Kyle has experience leading, negotiating, and placing Public Entity property programs ranging from $500M to $2B in TIV. He is based in the Daytona Beach, FL corporate headquarters.

Kyle holds a Bachelor of Science from the University of Florida and has earned three industry specific, professional designations. Kyle is also involved in business and client interests via industry organizations, including PRIMA, FCCMA, FPHRA, FLC and RIMS.

### Scope of Responsibility for the City of Ormond Beach

Throughout the contract, Kyle will serve as the project manager for the City's risk management program, providing insurance submissions, design, marketing, negotiations, and presentation. He will be available day to day for contract review, asset analysis, coverage questions, and any other request from the City.

- Insurance and self-insurance program and policy design
- Local government financing and budgeting
- Public entity law (FL Statues, procurement, court rulings, contractual liability, etc.)
- Contractual insurance requirements and Certificate of Insurance (COI) review
- Builders Risk Advisor and Procurement Specialist

Kyle serves as the lead insurance consultant for the following entities:

- City of Palm Bay
- City of Punta Gorda
- City of Ocala
- City of Marathon
- City of Indian Harbour Beach
- Brevard County
- Polk City
- Town of Highland Beach

## EDUCATION, LICENSES, & CERTIFICATIONS

- Florida State University, Bachelor of Science, Risk Management/Insurance and Finance
- State of Florida, 2-20 General Lines License
- State of Florida, 2-15 Life and Health License
- State of Florida, 1-20 Surplus Lines License
- Associate of Risk Management Public Entity (ARM-P),
- Certified School Risk Managers (CSRM)
- Certified Insurance Service Representative (CISR)

## FOCUS AREAS

- Insurance and self-insurance program and policy design
- Specialist in large multi-layered property programs
- Contractual risk transfer and vendor requirements
- Certificate Review and Recommendation
- Property Insurance Benchmarking
- Renewal Marketing & Tracking

## CONTACT

Robin Russell
*Vice President/Account Executive*
Robin.Russell@bbrown.com
O (386) 239-4044
C (386) 747-7731
300 North Beach Street
Daytona Beach, FL 32114



## ROBIN RUSSELL, ARM-P, CSRM, CISR

**Vice President / Account Executive**

**Experience**

Ms. Russell has focused exclusively on public entities and risk management since 2004 after graduating with a Risk Management degree from Florida State University. Her 20+ years of experience have propelled her to being an industry leader in the public sector space while serving many of Florida's largest and most sophisticated governmental entities. She is passionate about the strategies, philosophy and fundamentals that guide her clients through present-day challenges and long-term planning. Robin is also highly skilled in navigating the complex and ever-changing Florida insurance marketplace for her clients. Robin is affiliated with the below industry organizations:

- Midwest Employers Agent's Advisory Council 2024-5
- RIMS, Northeast Chapter

**Scope of Responsibility for the City of Ormond Beach**

Throughout the contract year, Robin will assist in insurance submissions, marketing, negotiation, and presentation of insurance program design. Robin is involved in all aspects of our client's insurance portfolios, assisting the Customer's team leaders on efforts to drive accuracy, timeliness, efficiency, and proactiveness of each Risk Management program.

She will be directly involved for the delivery of related resources including claims advocacy, asset and other insurable financial analysis and valuations, loss control, property appraisal, and other services.

## EDUCATION, LICENSES, & CERTIFICATIONS

- University of Massachusetts Amherst, Bachelor of Science, Hospitality and Tourism Management
- State of Florida, 2-15 General License
- Group Benefits Disability Specialist (GBDS)

## SKILLS

- ERISA compliance expertise
- ACA and DOL requirements
- Employee Benefits Account Management
- Carrier and Plan Implementation
- Population Health Programming
- Client Communications
- Open Enrollment Planning and Facilitation

## CONTACT

Tiffany Hill
*VP Client Services*
Tiffany.Hill@bbrown.com
C (413) 237-9537
300 North Beach Street
Daytona Beach, FL 32114



## TIFFANY HILL, GBDS

**Vice President, Client Services**

**Experience**

Tiffany Hill leads the Brown & Brown Public Sector service team and brings 10 years of experience in both Employee Benefits as well as Human Resources Management and has six years of experience in Training and Development Management in both a union and non-union environment.

She has a variety of experience in the employee benefits space including account management, employee engagement, wellness consulting, and leadership roles.

**Scope of Responsibility for the City of Ormond Beach**

Tiffany is the Client Services Leader for both the Property and Casualty and Employee Benefits Teams, she is responsible for all escalated service questions and/or issues brought forth by the team. She is also responsible for developing and maintaining all operational workflows, procedures, controls, and training programs.

Tiffany provides supervisory responsibility for the City's service team.



## MELODY BLAKE, ASCR

**Senior Public Risk Specialist**

### EDUCATION, LICENSES, & CERTIFICATIONS

- Accredited Customer Service Representative (ACSR)
- State of Florida, 2-20 General Lines License

### CONTACT

Melody Blake
*Sr. Public Risk Specialist*
Melody.Blake@bbrown.com
O (386) 239-4050
300 North Beach Street

**Experience**

Ms. Blake will serve the City's day-to-day service point of contact. She is highly familiar with municipalities similar to the City's program and well versed in responding to the service requests, issuing certificates of insurance, maintaining property, vehicle, and equipment schedules, claims handling as well as general requests for service. Melody has been in the insurance industry for 30 years and boasts an impressive record of accurate, quality service and routinely receives accolades from her clients. She currently handles some of Brown & Brown Public Sector's largest and most complex clients and is well trained and experienced in handling custom self-insured insurance programs.

**Scope of Responsibility for the City of Ormond Beach**

- Proposal/Binder/Policy delivery
- Invoicing, Certificates, and general inquiries
- Audits and premium adjustments
- Property, Auto and Inland Marine Schedule maintenance
- Provide up-to-date Schedules of Insurance coverage
- Creation and assembly of reports, claims data and loss history summaries
- Securing alternative needs such as performance bonds, additional coverages, etc.



## TRISH JENKINS, CPSR

**Senior Public Risk Specialist**

### EDUCATION, LICENSES, & CERTIFICATIONS

- Certified Public Risk Specialist (CPSR)
- State of Florida, 2-20 General Lines License

### CONTACT

Trish Jenkins
*Senior Public Risk Specialist*
Trish. Jenkins@bbrown.com
O (386) 239-4042
300 North Beach Street
Daytona Beach, FL 32114

**Experience**

Ms. Jenkins is highly familiar with Florida Public Entity insurance programs and boasts an impressive record of accurate, quality service and routinely receives accolades from her clients. Trish has been in the insurance industry for 29 years and is often used as a resource and trusted business partner of her clients. Trish is accustomed to handling large and complex clients and is well trained and experienced in handling custom self-insured insurance programs.

**Scope of Responsibility for the City of Ormond Beach**

Trish will serve as backup to Ms. Blake.



## JESSICA CONWAY

**Public Risk & Claims Specialist**

### EDUCATION, LICENSES, & CERTIFICATIONS

- Stetson University, Bachelor of Science, Public Health
- State of Florida, 2-20 General Lines License

### CONTACT

Jessica Conway
*Public Risk & Claim Specialist*
Jessica.Conway@bbrown.com
O (386) 333-6001
300 North Beach Street
Daytona Beach, FL 32114

### Experience

Jessica specializes in the review and processing of certificates of insurance, NFIP flood program policy administration, and claims administration and reporting. She will be providing support to the City's service team.

### Scope of Responsibility for the City of Ormond Beach

Jessica will handle requests for certificates of insurance and issuance, claims reporting, claims file management, NFIP Flood program policy administration, and other daily servicing duties. She will also provide backup for Certificate related questions and other administrative projects.



## GARY RAIA, ARM

**Senior Safety and Loss Control Manager**

### EDUCATION, LICENSES, & CERTIFICATIONS

- New York University, Bachelor of Industrial Engineering/Safety Management
- Associates of Risk Management
- OSHA 30 hour construction
- OSHA 10 hour general industry
- Chief Risk Management and Safety Officer 2021-2023

### CONTACT

Gary Raia, ARM
*Senior Safety and Loss Control Manager*
Gary.Raia@bbrown.com
C (407)496-0989
300 North Beach Street
Daytona Beach, FL 32114

### Experience

Gary is a Senior Safety and Loss Control Manager offering 30 years of experience in Enterprise Risk Management, Safety, Loss Control and Insurance Coverage for Fortune 500 companies, and Public and Governmental entities. This includes Insurance Carriers, Brokers, Service, Hospitality, Construction and Manufacturing industries. Gary will be the dedicated loss control representative for the City, travelling as frequently as needed.

### Scope of Responsibility for the City of Ormond Beach

As the senior safety and loss control manager for the Brown & Brown Public Sector team, Gary will provide senior oversight to the City's safety programs and initiatives. Gary will also assist the loss control and safety data, reports, and training materials as needed.



## STEVE FARMER

**Executive Vice President**

### EDUCATION, LICENSES, & CERTIFICATIONS

- Florida State University, Bachelor of Arts, Economics
- State of Florida, 2-20 General Lines License
- State of Florida, 2-15 General Lines License

### CONTACT

Steve Farmer
*Executive Vice President*
Steve. Farmer@bbrown.com
O (386) 239-7233
300 North Beach Street
Daytona Beach, FL 32114

**Experience**

Steve Farmer is an accomplished Executive Vice President of Brown & Brown Insurance, the 5th largest Insurance Brokerage in the Nation. With over 28 years of experience in the Insurance Industry, he currently leads the largest retail branch located at the company's headquarters in Daytona Beach, FL. Previously, Steve served as Sr. Vice President, Sales Leader for the Daytona Retail Operation, and Vice President/Producer with responsibilities for development and service of new and existing accounts. In January of 2021, Steve added oversight of the Team at O'Leary Insurances, a Brown & Brown acquisition based in Cork , Ireland to his growing responsibilities.

In addition to his work at Brown & Brown, Steve actively serves on the Board of Directors for the Volusia/Flagler YMCA, the Daytona Beach Chamber of Commerce, the FUTURES Foundation, he is a member of the Agents Advisory Council for AmTrust Financial and a member of the RMI Executive Council for Florida State University.

Steve graduated from Florida State University with a B.A. in Economics in 1986. He is married to Carol Murphy Farmer and resides in Ormond Beach, FL. They have 3 sons, Ryan, Adam, and Logan.

**Scope of Responsibility for the City of Ormond Beach**

Steve will provide executive oversight to the City.



## MATT MONTGOMERY

**Executive Vice President**

### EDUCATION, LICENSES, & CERTIFICATIONS

- Florida State University, Bachelor of Science, Philosophy
- State of Florida, 2-20 General Lines License
- State of Florida, 2-15 General Lines License

### CONTACT

Matt Montgomery
*Executive Vice President*
Matt.Montgomery@bbrown.com
O (386) 239-7245
300 North Beach Street
Daytona Beach, FL 32114

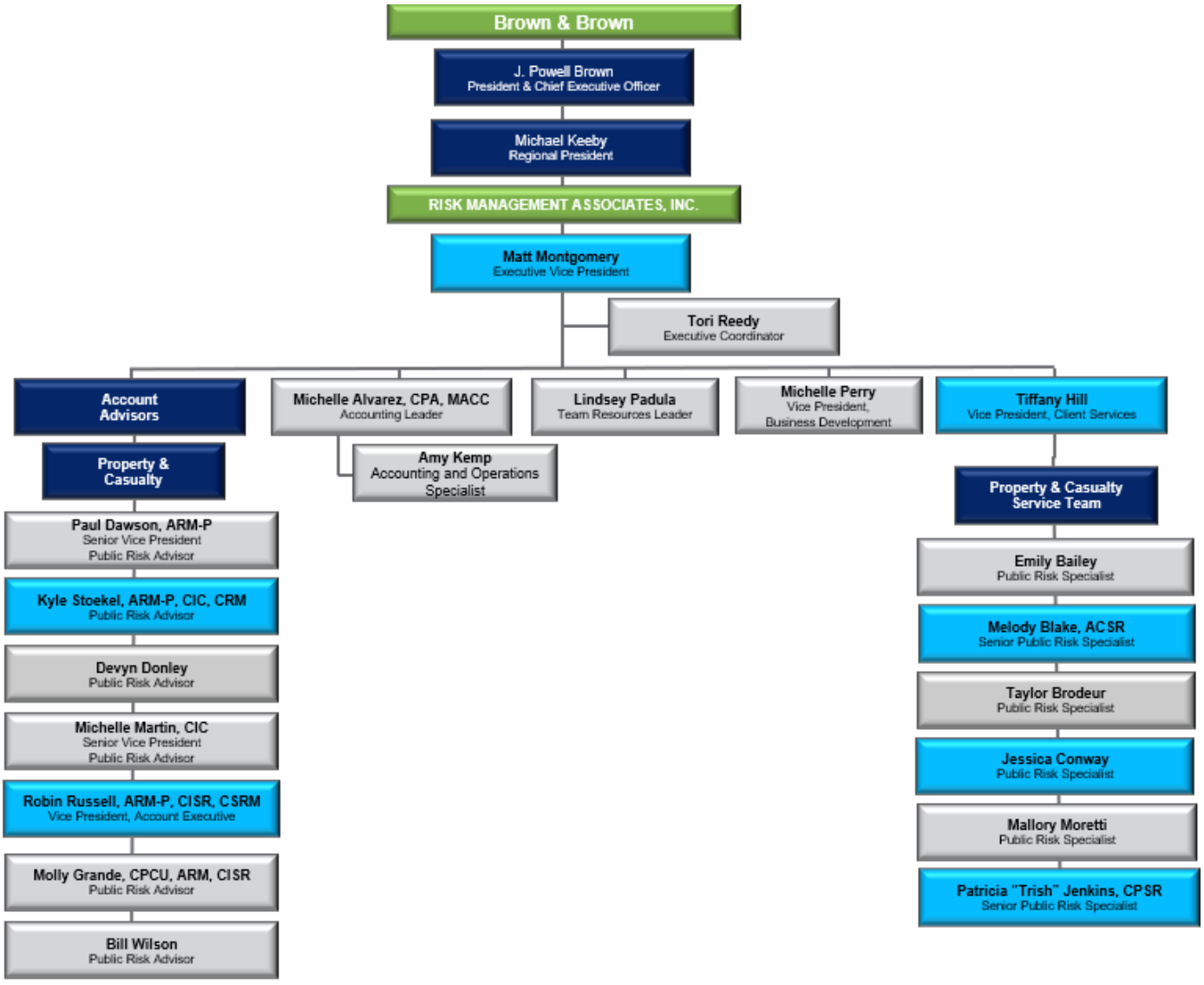
**Experience**

Mr. Montgomery leads Brown & Brown Public Sector with almost 20 years of experience in Federal and State Government. Matt's expertise is particularly valuable for direct assistance with government agencies, presentations to executive staff and Boards, and other executive meetings as needed. Matt also provides high-level support to all aspects of client services.

**Scope of Responsibility for the City of Ormond Beach**

Matt will provide executive oversight to the City.

3. **Provide an organizational chart showing reporting structures for all key staff and dedicated team members.**



**4. Include three professional references for the individual designated to serve as the City's primary point of contact.**

| | |
|---|---|
| **Name:** | Elizabeth Schute, RMPE |
| **Title:** | Human Resources Coordinator |
| **Company:** | City of Marathon |
| | |
| **Address:** | 9805 Overseas Highway, Marathon, FL 33050 |
| **Telephone Number:** | 305-289-5022 |
| **Email:** | SchutE@ci.marathon.fl.us |

| | |
|---|---|
| **Name:** | John W. Coffey |
| **Title:** | City Manager |
| **Company:** | City of Indian Harbour Beach |
| | |
| **Address:** | 2055 South Patrick Drive, Indian Harbour Beach, FL 32937 |
| **Telephone Number:** | 321-773-3181 |
| **Email:** | JCoffey@indianharbour.org |

| | |
|---|---|
| **Name:** | Patricia R. Jackson |
| **Title:** | City Manager |
| **Company:** | City of Polk City |
| | |
| **Address:** | 123 Broadway Blvd SE, Polk City, FL 33868 |
| **Telephone Number:** | 863-984-1375 x257 |
| **Email:** | Patricia.Jackson@mypolkCity.org |

## Minimum Qualifications

**To be considered by the City, proposing firm must:**

**1. Have at least five years of experience under the same name providing similar property and casualty broker services to municipalities of similar size in the state of Florida.**

Brown & Brown was founded 86 years ago with the Brown & Brown Public Sector being built 33 years ago from the acquisition of Risk Management Associates, Inc (RMA). For over 30 years, we have continuously refined our Public Sector specialization and enhanced our services enroute to becoming the largest public entity brokerage in Florida.

Please reference section 2 above for examples of experience with municipalities of similar size.

## 2. Be licensed to transact insurance brokerage business in the state of Florida.

Risk Management Associates, Inc. (Brown & Brown Public Sector) is licensed, permitted, and certified to do business in the State of Florida.



FLORIDA DEPARTMENT of FINANCIAL SERVICES

RISK MANAGEMENT ASSOCIATES, INC. DBA PUBLIC
RISK INSURANCE ADVISORS

300 NORTH BEACH ST
DAYTONA BEACH FL 32114

Agency License Number L018706

Location Number: 133164

Issued On 09/14/2006

Pursuant To Section 626.0428, Florida Statutes, This Agency Location Shall Be In The Active Full-Time Charge Of A Licensed And Appointed Agent Holding The Required Agent Licenses To Transact The Lines Of Insurance Being Handled At This Location.

Pursuant To Subsection 626.172(4), Florida Statutes, Each Agency Location Must Display The License Prominently In A Manner That Makes It Clearly Visible To Any Customer Or Potential Customer Who Enters The Agency Location.

Jimmy Patronis
Chief Financial Officer
State of Florida

3. **Demonstrate they have successfully provided similar broker services to at least three other municipalities of similar size in the State of Florida.**

Please reference section 2 above for examples of experience with municipalities of similar size.

4. **Services must have been provided in the past five years prior to the issuance of this RFP.**

Brown & Brown Public Sector has been providing public entity insurance brokerage and consulting services since 1992.

5. **Demonstrated ability and success implementing various risk management strategies to reduce premium costs while providing adequate insurance levels.**

## Understanding the City's Risks, Exposures and Financial Goals Continual Analysis

Constant communication and understanding of the rapidly changing risk exposures are critical to our ability to provide the most effective risk management program. The first step of our renewal management process is to discern exposure facts and the City's needs for risk transfer and retention options.

Risk identification and exposure analysis are the foundation of our risk management program design recommendations. An overview of this critically important function includes the following major objectives:

- Discuss insurance options available via our superior carrier relationships, specialist wholesale/surplus lines, reinsurance, non-domestic partner brokers, captive management, and other special programs
- Self-insurance and Risk-transfer strategies developed with staff.
- Develop quality relationships with key underwriters. If desired by the City, we will coordinate face-to-face meetings with staff and key underwriters and other important industry experts. We currently coordinate such meetings for our clients, including at your, ours, or their location(s), off-site at in- or out-of- state conferences, including the facilitation of significant London or Bermuda relationships.
- Aggressive negotiation skills and market management employed to generate insurance options within entire marketplace – not just one or two favored markets.
- Use of claims analysis and predictive/statistical analytics presentations to market.
- Develop underwriting narratives highlighting City staff qualifications, use of risk control techniques and other favorable underwriting information not requested on applications to produce a superior market submission.

While premium is a large portion of the City's Total Cost of Risk (TCOR), one of the other major components is the cost of retentions or uninsured losses. We believe a critical review of the policy and structure of the placement will lead to a lower TCOR for the City.

A few techniques and resources utilized for this important facet of our services include:

- Evaluation of critical operations and conduct discussions concerning risk factors, including but not limited to Storm Resiliency, Flood Mapping Changes, FEMA Eligibility and Service Interruptions.
- Interviews and discussions with various City staff and departments, including assistance with data collection required for insurance applications.
- On-site inspections.
- Annual Catastrophic modeling (including **AIR & RMS**, plus enhanced analytics).
- Loss trend analysis and recommendation of loss control resources.
- Review valuations and encourage COPE updates for property exposures. Specifically tracking updates for existing buildings, including roof updates, is impactful to your modeling and underwriter perception.
- Manage Property Appraisal contract with reputable independent property appraisers. This includes coordination of inspections, trending, reconciliation of results, and communication with insurers.

Brown & Brown Public Sector routinely submits a budget estimate for all lines of insurance as well as recommendations for insurance or self-insurance solutions for new exposures.

Our State of the Property Market white paper that is submitted annually is an excellent example of a strategy report, see following page.

City of Ormond Beach

Brown & Brown

# Florida Property Insurance Market Update - 2024

**Florida Property Market Update**

Rate increases in 2023 within the Florida public sector ranged from 40% to 100% in Florida. Entities with coastal wind exposure and large losses experienced the higher end of rate increases. The City's rate increase in 2023 was 21%.

Total catastrophic losses in the U.S. have exceeded $100b for the last three years which has stalled any softening of market rates.

However, there is some relief occurring with a small amount of new capacity entering the market. The increase in rate is expected to slow with some carriers providing rate increases of flat to 10%.

- In 2024 we expect the reinsurance capacity for catastrophic loss to remain flat providing some stabilization of the global property market.
- Traditional carriers will continue to adjust their portfolios to reduce exposure and increase profits.
- Underwriters are still requiring adjustments to insured values to align with elevated costs to repair and rebuild.
- In 2024 we anticipate rate increases ranging from flat to 10% in Florida but higher rate hikes for risks with significant property losses. We also expect continued non-concurrent terms from carriers. For example, insureds may see claim valuation terms of Blanket Replacement Cost and Margin Clauses mixed within one layered-insurance program.

In 2024, we anticipate rate increases ranging from flat to 15% in Florida with higher rate increases for risks with significant losses. The City's currently estimated property increase is 3%.

**NOAA Summary Stats for Billion Dollar Weather Events**

Updated Dec 2023

| Time Period | Total Number of Events | Events per Year | Total Cost (in Billions $) | Major Events |
|---|---|---|---|---|
| 2003-2007 | **32** | 6.4 | $ **432.4** | Hurricanes Katrina, Wilma, Rita, Charley, & Ivan |
| 2008-2012 | **57** | 11.4 | $ **382.0** | Hurricanes Sandy & Ike; Severe Drought |
| 2013-2017 | **63** | 12.6 | $ **533.5** | Hurricanes Maria, Irma, & Harvey |
| 2018 -2023 | **88** | 17.6 | $ **704.6** | Hurricanes Ida, Michael & Ian; Wildfires |

## Exposure Analysis & Gap Identification

Evaluating risk exposures is an ongoing focus as different risk exposures emerge frequently. Our analysis method involves a detailed structured identification of current and future loss exposures. We conduct a formal submission process annually prior to negotiating new and renewal coverage.

We use risk identification and exposure analysis as the foundation of our risk management program design and to analytically base our recommendations. We provide objective and subjective analysis so that you can make informed decisions.

| Exposure Identification processes include: | |
|---|---|
| 1. Retention, coverage, and sublimit review | ✓ |
| 2. Site inspections/Engineering Reports | ✓ |
| 3. Review current/prior insurance applications | ✓ |
| 4. Complete insurance company applications | ✓ |
| 5. Policy and procedure manuals | ✓ |
| 6. Contractual obligations- lenders, lessors, bonds, etc. | ✓ |
| 7. Safety policies and loss prevention protocol | ✓ |
| 8. Research (your website and local sites) | ✓ |
| 9. Financial records review (CAFR, Budget documents, etc.) | ✓ |
| 10. Loss Runs Reports/Claims review | ✓ |
| 11. Current program analysis and review (coverage forms and policies) | ✓ |

| Property Specific Exposures | |
|---|---|
| Time Element/Financial Loss review | Property in the Open considerations |
| Property Appraisal Review | Catastrophic wind, flood, & storm surge models |
| FEMA Stafford Act- Flood Zone Determination/ Flood Audit | FEMA Commitments |

| Casualty Specific Exposures | |
|---|---|
| Experience Modification Factor Review | Retention Analysis |

**Property –** We run (PML) models annually for each large client to evaluate the large loss centers and the flood probabilities. We will provide the City with current AIR catastrophic modeling results at each property renewal to identify specific locations that may suffer large loss or operation centers that may experience interruption.

We collect detailed property data relative to wind resistance for all locations. Our process involves identifying the roof covering, roof geometry, roof age and roof strapping (if any) of these locations.

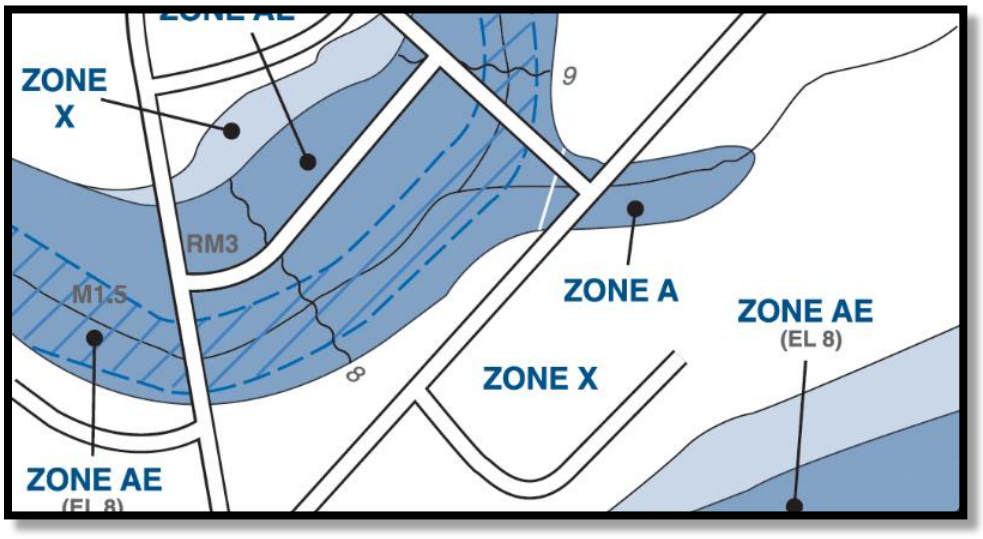
This additional data significantly increases the accuracy of PML models, which in turn better identifies and measures an insured's exposure to loss. This is further used to negotiate better terms and conditions with carriers. Without the additional roof information, the PML model will default to a higher value and thereby increase the PML value resulting in higher premiums.

We also evaluate the need for and the proper levels of often overlooked property coverages such as: extra expense, errors & omissions, increased cost of construction (building ordinance), equipment floaters, demolition costs, debris removal, utility interruption, pollution clean-up, property-in-the-open, builders' risk, etc.

We accomplish all the above through various techniques, processes, and tasks such as:

- Property Site Inspection and Building Appraisals
- Catastrophic wind, flood, and storm surge models
- Research (City website and local sites visits)
- Financial Record Research (CAFR, Budget)
- Loss Run Reports
- Current Program Analysis and Review (Coverage Forms and Policies)

**Flood Audit –** This is a unique process that we have developed to keep up with FEMA's rate, rule, and flood mapping changes. We regularly review anticipated flood zone changes (which can employ a variety of methods) to determine impact to structures located in Special Flood Hazard Areas (SFHA's). The importance of this exercise is to determine and communicate the implications of FEMA and the Stafford Act to our clients.



**Liability Loss Exposures –** Thoroughly identifying these exposures can be complex due to the broad litigious nature of citizens and businesses. However, we have seen many types of lawsuits and possess an intimate knowledge of the State and Federal Statutes that govern public entity operations and personnel. Consequently, our advice, counsel and recommendations are based on actual claims occurring here in Florida and many years of assisting other clients with similar issues.

The basic methods of identifying exposures include claims analysis, review of financial reports, understanding of all operational functions, evaluating current and future contractual obligations, identifying key personnel, reviewing lease and other contracts, reviewing the City's policies and procedures manuals, and general practices.

**Workers' Compensation –** Methods include analysis of loss run reports, financial reports, actuarial reports, incident reports and interviews with key personnel and management. We also review the return-to-work programs, disciplinary procedures and safety programs that are currently in place. Analytics play a large role in rate determination and retention levels. Internally we evaluate numerous factors, trends, and total cost of risk to determine the best risk retention and transfer levels that minimize the City's financial exposures both long and short-term.

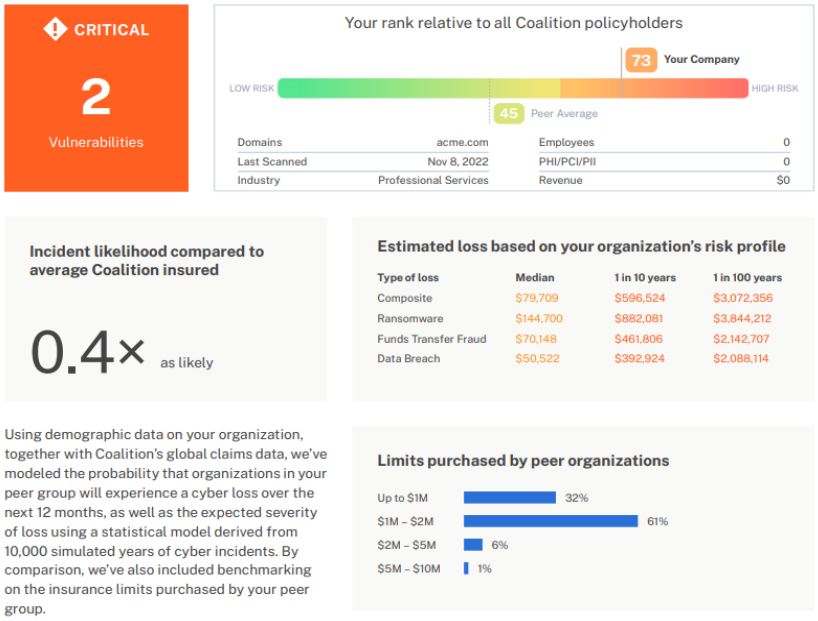
Below is an example of one of our advanced analytical tools for workers' compensation risks. This report identifies departments or specific job functions that perform better or worse than their peers in Florida. Actual losses over a three-year period are compared with the expected or average losses as determined by the State of Florida. This information can be used to tailor loss control efforts for maximum return-on-investment.

| Class Code | Class Code Description | Estimated Payr | 2023 Expected Loss Ra | Expected Annual Loss | Actual Losses 22-23 as of -Sept 2 | Actual Losses 21-22 | Actual Losses 20-21 | Actual Losses 19-20 | Average Actual Losses | Ratio Avg to Expected Losses |
|---|---|---|---|---|---|---|---|---|---|---|
| 5509 | Street or Road Maintenance | $ 739,493 | 3.67 | $ 27,139 | $ 700 | $ - | $ 1,209 | $ 253 | $ 634 | 0.02 |
| 7520 | Waterworks | $ 286,591 | 1.24 | $ 3,554 | $ - | $ 521 | | $ - | $ 153 | 0.04 |
| 7580 | Sewer Operations | $ 441,949 | 1 | $ 4,419 | $ 17,468 | $ - | $ 1,238 | $ 1,055 | $ 5,795 | 1.31 |
| 7704 | Firefighters | $ 2,897,042 | 2.1 | $ 60,838 | **$ 64,200** | **$ 79,172** | $ 1,277 | **$ 186,403** | **$ 97,083** | **1.60** |
| 7720 | Police | $ 2,997,474 | 1.44 | $ 43,164 | **$ 61,876** | **$ 74,526** | $ 43,523 | $ 12,765 | **$ 56,507** | **1.31** |
| 8380 | Automobile Repair | $ 348,042 | 1.1 | $ 3,828 | $ 495 | **$ 58,504** | $ 1,495 | **$ 14,950** | **$ 22,124** | **5.78** |
| 8810 | Clerical Office Employees | $ 3,807,797 | 0.08 | $ 3,046 | **$ 31,500** | **$ 21,464** | **$ 41,537** | **$ 7,363** | **$ 29,872** | **9.81** |
| 9015 | Buildings-Operation | $ 272,951 | 1.71 | $ 4,667 | $ - | $ 1,436 | $ - | | $ 421 | 0.09 |
| 9060 | Golf, Country Club | $ 798,759 | 0.8 | $ 6,390 | $ 927 | $ 5,255 | **$ 16,788** | $ - | $ 6,736 | 1.05 |
| 9102 | Parks NOC | $ 894,481 | 1.71 | $ 15,296 | $ - | $ - | $ 7,081 | $ 4,947 | $ 3,527 | 0.23 |
| 9220 | Cemetery Operations | $ 125,526 | 3.15 | $ 3,954 | $ 6,961 | $ - | $ - | | $ 2,041 | 0.52 |
| 9403 | Garbage Collection | $ 775,780 | 2.33 | $ 18,076 | $ 1,559 | $ 4,289 | $ 8,235 | $ 1,732 | $ 4,638 | 0.26 |
| 9410 | Municipal NOC | $ 292,516 | 1.26 | $ 3,686 | | | $ - | $ - | $ - | 0.00 |
| | | **$ 14,678,401** | | $ 198,057 | **$ 185,686** | **$ 245,167** | **$ 122,383** | **$ 229,468** | **$ 175,079** | |

## Cyber Exposure Analysis

Brown & Brown is partnered with Coalition. Coalition's signals intelligence platform provides a snapshot of an entity's current risk level by using public, external methods (no penetration or intrusive tactics) to:

- Scan infrastructure for publicly accessible servers, services, and technology
- Discover exploitable vulnerabilities and misconfigurations in the scanned infrastructure
- Find exposed available user/employee information
- Uncover other existing threats hidden on the dark web
- Discover proactive measures already taken by the company







This data, combined with Coalition's proprietary claims and loss data provides:

- A relative measure of the company's defensive security posture compared to organizations scanned by Coalition
- A clear, fact-based assessment of potentially weak security areas and steps to fix them
- Recommendations on how the company can further secure their infrastructure informed by actual losses experienced by Coalition policyholders

## Additional Resources

Below are some of the available online tools we offer to enhance the City's program. Documents from the below mentioned tools can be provided electronically, including **our online, cloud-based client document portal – designed custom for City of Ormond Beach.**

### SharePoint

Brown & Brown utilizes SharePoint to enhance efficient document management. Each major client has the ability to access the asset schedule, white papers, certificates and many other risk management related documents and information from any device. The City will have instant access to a large library of information and documents.

## Family of Resources

Brown & Brown's decentralized structure is unique in that it allows each of our subsidiaries to create exceptionally unique service models designed to deliver customized results for each our clients. In addition to the City project team highlighted herein, we have access to Brown & Brown's international operations for client support, subject matter expertise and carrier relationships, including;

- London Brokerage
- Bermuda, Grand Cayman, and other international offices
- Litigation Specialists and legal support
- Alternative Risk Transfer and Captive management
- Enterprise Risk Management (ERM)
- Financial & Property Modeling
- Actuarial Services
- Analytics and Modeling
- Program administrators with distinctive expertise
- Wholesale specialists in public entity, property, and professional liability
- Loss Control and Safety Resources
- Surety/Bond Practice
- Personal Lines insurance practice
- National Retail Brokerage/Marketing and Support
- Strategic partnership with previously owned Third Party Claims Administrators, including Medicare Set-Aside, Cost Containment, Medical Bill Auditing and Review, Loss analysis, and Specialty claim experts
- National Cyber division
- National Aviation division

Brown & Brown Public Sector will coordinate the company's resources from all divisions within this contract. Industry and subject matter expertise from these divisions are included in our proposal, however, specific services may be subject to additional contracts/fees depending on the scope.

We also have relationships with organizations that are not Brown & Brown subsidiaries. We recommend the service provider that will **provide the most benefit** the client and fulfill their needs. Brown & Brown's decentralized culture allows for this flexibility.

## Market Access

A critical aspect of a broker's ability is access to all carriers. One of our core competencies is our knowledge of and relationship with all competitive insurers. Our marketing process and philosophy is somewhat unique and can be summarized as follows:

***Do business with as many insurance markets as possible. Do not simply offer renewal terms and accept pricing from the same company year after year and limit our clients' options – ensure we are getting the best deal for our clients every year.***

We believe that an agent's job is to utilize market forces and competition in the marketplace to be sure we bring the most competitive insurance placements to our clients every year. This concept also underlines one of our core business principles: Always *do what is best for the client.* We have learned how to keep the market's interest while conducting a competitive process in a professional manner. Our companies **trust** us. We maintain excellent market relationships always in hard, soft, or stable markets. While other brokers place the lion share of their client's business solely in the commercial market or primarily in an insurance Trust, we have critical mass in Trusts (40%) and commercial markets (60%). This allows us to bring more options at each renewal and leverage the competitive marketing process heavily in our client's favor. We are experts in designing and implementing custom insurance programs. One of our core strengths is the ability to negotiate and obtain the inclusion of innovative coverage terms from carriers resulting in custom policies aimed at a client's specific risk needs. Our clients have benefited from this approach in the past, specifically in the countless custom enhancements implemented in many of our property policies.

Brown & Brown Public Sector is uniquely positioned to deliver brokerage excellence for Florida's Public Entities precisely because of our ability to monitor the factors above and interpret their effect on the marketplace. We then utilize our resources both within our Global Brown & Brown Family of Companies to turn that understanding into strategy. We offer our client unique access to A few key factors that serve us in these complex strategies and navigating the ever-changing marketplace:

- 100% Public Entity Team
- 30+ Years of Relevant Experience
- 250 Public Entity Clients
- C-Suite Carrier Relationships
- Brown & Brown Resources
- 16,000 Global Teammates
- State, National & International Presence
- Strong Underwriter Relationships
- Corporate Public Entity Footprint
- Trade Group & Association Membership
- Real-Time Industry News & Communications
- Culture of Professionalism & Excellence

**Market Leverage –** Brown & Brown has established itself as one of the preeminent power brokerage houses in the world. Our 16,000 teammates are responsible for the design, placement, and service of more than **$25 Billion in annual insurance premiums.** This gives our family of companies unrestricted access to the marketplace paired with top tier negotiating power and leverage with insurance carriers.

The Brown & Brown Public Sector team and our clients benefit greatly from the downstream effect of our company's massive marketplace presence. This is accomplished through strategic internal tools which ensure that our team can consistently harness the power of that global volume as we navigate the marketplace on behalf of our clients.

**Florida Public Entity Market Footprint –** For the purposes of this RFP, the far more relevant measure of market leverage, is broker footprint within the Florida Public Entity insurance marketplace. The combination of large CAT losses, rising cyber liability exposures, workers compensation presumption laws, active-shooter exposures, and sovereign immunity caps has proven too complicated, unpredictable, and unprofitable for most traditional risk-bearers**.**

These factors have created a highly specified market in which carrier options are few, terms and conditions are constricted, and broker leverage is limited.
***This is where Brown & Brown shines.***

Our team manages over 85 property, casualty, and workers compensation insurance programs for Florida public entities with annual premiums of $250,000 or greater. Due to the size of our practice and number of sophisticated risk management clients, we are the largest broker in Florida for most relevant carriers. This affords Brown & Brown preferred status and powerful leverage with all carriers and, as a result, empowers our team to consistently obtain best in class terms and conditions and deliver the most cost-efficient risk transfer programs available.

## Navigating the Insurance Marketplace

Brown & Brown places over $25 Billion in annual premiums with hundreds of insurance markets.

Brown & Brown's market philosophy has always been to develop relationships and place business with the markets that bring the most value to our clients vs. other brokers who focus on placing business with select "favored" carriers. Our style is to maintain professional relationships with all markets. This strategy delivers our clients' options, open-market representation, and impressive results of the most effective leveraging of terms and conditions available in the marketplace.

Our team maintains excellent market relationships that survive and flourish in hard, soft, and stable markets. The challenge in designing and implementing custom insurance programs, however, is maintaining a thorough understanding of the market as it evolves. The evolution of the marketplace creates both challenges and opportunities for brokers to deliver for their clients. In Florida especially, the market changes quickly. Below are some of the factors which drive consistent change and necessitate top-tier broker performance:

1. Catastrophic Losses
2. Windstorm Modeling
3. Changes in Carrier Appetite
4. New Carrier Entrants & Departures
5. Shifts in the Legal Environment
6. Regulatory Changes
7. Emerging Exposures
8. Insurance Product Trends
9. Investment Capital
10. Global CapaCity Fluctuations

## Property Markets

| Domestic Access | Domestic Access | Domestic Access |
|---|---|---|
| Affiliated FM/FM Global | EQ One (formerly SIU) | VIKCO |
| AGCS (IFC) | Equinox | WKFC |
| AgRisk | Ethos | WNC First (flood only) |
| AIG (Lexington) | Floodwatch | XL E&S |
| Allianz | GenStar | Zurich Specialty |
| AmRisc (MGA) | GEP | **London Access** |
| Arch | Golden Bear (NACRe) | Aegis |
| Arrowhead (MGA) | Great American | AFB 2623 (Beazley) |
| Aspen | Great American Risk Solutions | AMA 1200 (Argo) |
| Assurant | Guideone | AML 2001 (Amlin) |
| Ategrity | Hallmark | APL 1969 (Apollo) |
| Avondale Insurance Company | Hudson Specialty | ARG 2121 (Argenta) |
| AWAC | Ironshore | ARK |
| AXA XL | Indian Harbor | ASC (Ascot) |
| Axis | Liberty Mutual | AUL 609 (Atrium) |
| Barbican | Markel | AXS 1686 (Axis) |
| Beazley | Munich Re | BRT (2987) (Brit) |
| Berkshire Hathaway | Philadelphia | BUW (Blenheim) |
| BH Homestate | *Preferred* Governmental Insurance Trust | CGM 2488 (Chubb) |
| BH Specialty Insurance | RSUI | CHN 2015 (Channel) |
| Canopius | Seneca Insurance Company | CNP (Sompo Canopius) |
| Catalytic | Sigma | DUW 1729 (Dale) |

| | | |
|---|---|---|
| Chubb (ACE) | Sompo International | ENH 5151 (Sompo Int'l) |
| CM Vantage | Southern Hospitality (SHU) | FDY 435 (Faraday) |
| CNA | SRU | Fidelis |
| Colonial Group | Starr Surplus | HAM 3334 (Hamilton) |
| Colony | StarStone | Hannover Re |
| Commonwealth | Swiss Re | HCC (Tokio Marine HCC) |
| Continental/Fidelis | The Hartford | HDY (CNA Hardy) |
| CoreSpecialty | Tokio Marine | HIS 33 (Hiscox) |
| Crum & Forster | Travelers | Inigo |
| CV Starr | TRU (Hannover) | Inter-Hannover |
| Diamond State | USLI | Ki |
| Direct Fac | VeloCity | Kiln 510 |
| Everest Re | Ventus | Lancashire |
| EC3 Brokers LTD | Westfield | Lexington |
| Endurance (Sompo) | Zurich | Liberty |
| **London Access** | **Bermuda Access** | **Bermuda Access** |
| MAP 2791 (Managing Agency Partners) | Alcor | Fidelis |
| MMX 2010 (Cathedral) | Allied World | Hamilton Re |
| Munich Re | Arch Re Bermuda | Liberty Specialty Markets |
| Neon 2468 | Argo Bermuda | Markel |
| ONE 1743 | AXA XL | OCIL |
| Scor Re | Chubb Bermuda | Sompo |
| Skyward | | |

## Casualty and Workers Compensation Markets

The following list of markets are those that are typically the most competitive for our Florida government clients within Casualty and Workers Compensation and Excess placements. These carriers have consistently delivered competitive rates and expansive coverage terms specifically designed for public entities. We have established meaningful relationships and significant program placement volume with the insurance carriers listed below which have historically exhibited a strong appetite and sufficient capaCity for large City exposures. Please note this is not an exhaustive list of all carriers but a list of currently competitive markets. The markets in bold are typically the most competitive in Florida for public entities. We are always evaluating new and emerging markets that can provide our clients with efficient terms.

| Carrier | Carrier | Carrier |
|---|---|---|
| AIG | Employers Re | One Beacon |
| Allianz | Euclid/Scottsdale | ***Preferred* Governmental Insurance Trust** |
| Allied Public Risk | Fairfax | QBE |
| Allied World Assurance | **Fortegra** | **Safety National/Tokio Marine** |
| AmTrust | **Global Aerospace** | Selective |
| **Ambridge** | Genesis | Starr Aviation |
| Arch | Hanover | Trident/Paragon |
| Aspen | Hartford | Travelers |
| **Berkley** | Hiscox/State National | US Specialty |
| Berkshire Hathaway | Liberty Mutual | XL/Catlin |
| Brit/Lloyds | **Midwest Employers** | Western World |
| **Chubb/ACE** | Midlands Management (MGU) | Zurich |
| Cincinnati | Munich Re | Old Republic |
| CNA | Nautilus | Darwin |

## Key Property Market Volumes

| Key Market Volumes | |
|---|---|
| **Market** | **Brown & Brown Placed Premiums** |
| Lloyd's | $1,112,000,000 |
| Zurich | $572,000,000 |
| Berkshire Hathaway | $552,000,000 |
| Hartford | $550,000,000 |
| Chubb | $544,000,000 |
| Travelers | $450,000,000 |
| QBE | $450,000,000 |
| Liberty Mutual | $380,000,000 |
| Safety National/Tokio Marine | $350,000,000 |
| Munich Re | $273,000,000 |
| AIG | $254,000,000 |
| Markel | $253,000,000 |
| Arch | $240,000,000 |

Our team believes constant communication and a thorough understanding of the City's risk exposures at all times of year is critical to providing the most effective risk management program. It is crucial to recognize the exposure facts and meet with you before approaching the marketplace to provide the City with insight into the current market conditions and identify the City's goals and risk appetite.

Our service commitment includes establishing a client-specific calendar of events which proactively guides the insurance program in real-time and assures that our team is with you every step of the way. This includes fulfilling City expectations on communications, deliverables and reporting requirements. It is our procedurally mandated service commitment to immediately identify and document customer expectations in order to meet those needs on a daily and on-going basis. Below is an example Insurance Renewal Timeline for the City's program. Please note that this timeline is flexible and can be adjusted to the City's needs.

## Insurance Renewal Timeline

**150-120 days prior to EACH policy expiration**

- Initiate Marketing Process
- Current market conditions analysis
- Estimate changes in cost – self-insured and risk transfer
- Discuss Budget Constraints and Goals
- Written request for underwriting data
- Assist in collection of risk exposure information
- Establish competitive markets to be approached
- Identify desired coverage, terms, and conditions goals

**90 to 120 days prior to policy expiration**

- Approval of Submission to risk-transfer/insurance markets by client
- Submit underwriting data to chosen and/or all interested carriers
- Update Risk Management on progress and early pricing and coverage term indications

**60 to 90 days prior to policy expiration**

- Update of quotes received and markets approached
- Cost of Risk Analysis - Liability
- Catastrophic Modeling Results - Property
- Develop recommendation for most effective program

**30 to 60 days prior to policy expiration**

- Attend Meetings and Workshops
- Assist in preparation of Board Agenda items
- Complete required signed documents
- Submit Requests to Bind to chosen carriers

**Inside 30 days prior to policy expiration**

- Request, Review and Issue Binders
- Issue any recurring Certificates of Insurance
- Issue Invoices – with special instruction for timing of payments as needed
- Issue Binders

**30 to 60 days after policy inception**

- Re-issue any expired binders
- Review, correct and issue policies

**Ongoing**

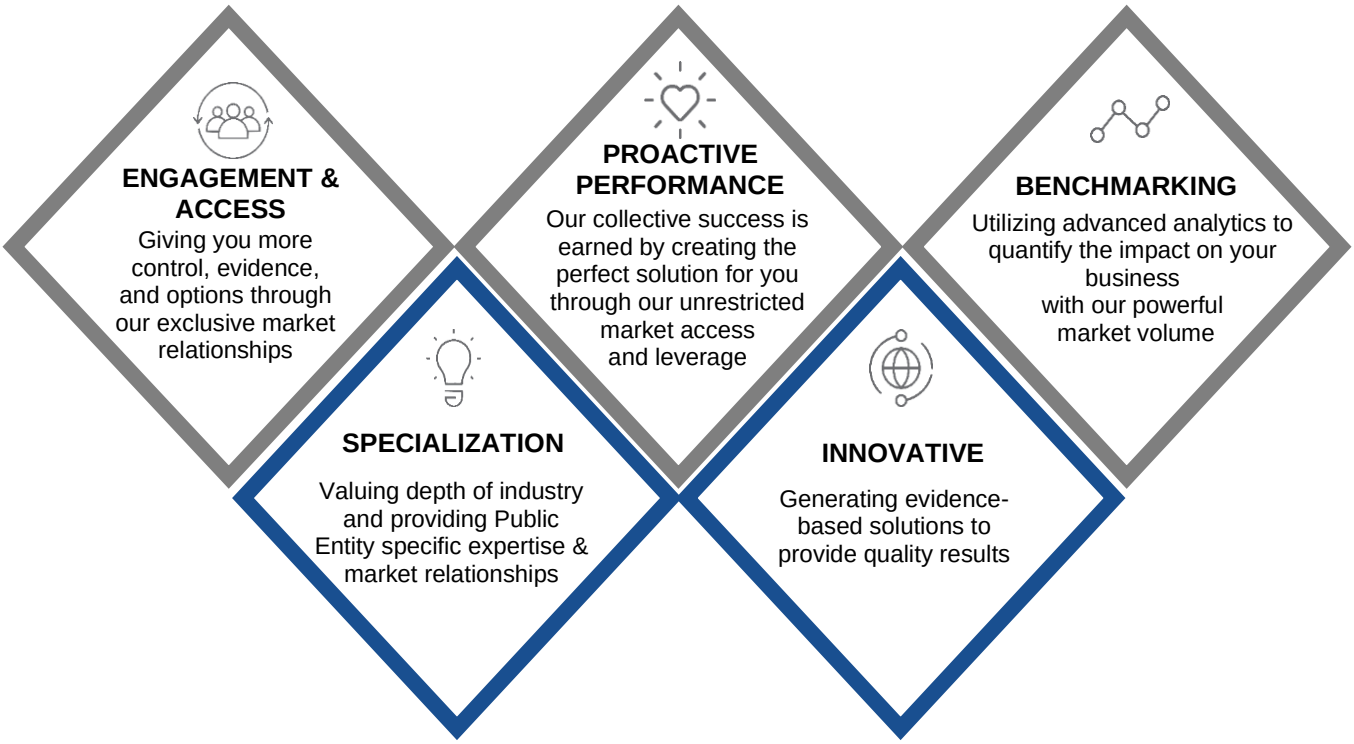
- Daily Policy Maintenance and Client Service Requests
- Claims Reporting and Advocacy
- Aggregate and Large Claim Reviews
- Property appraisal management and implementation
- Maintain, Update and Scrub Property Statement of Values data
- Stewardship Reports
- Provide Analytics, including Cat Modeling
- Review Risk Management Polices
- Inspection/Loss Prevention Program Implementation
- Flood Zone Audits for Property
- Market Trend and Emerging Markets Identification
- Legislative Change Tracking
- Industry News Communications
- Other Special Projects as agreed, including
- Contractual Risk Transfer/Vendor Contracts
- Vendor Certificate of Insurance Review

## Insurance and Risk Transfer Design, Marketing, and Placement

One of the most critical functions a broker performs is to *design, market, propose and implement the broadest insurance program that adequately and economically protects the Client*.

Ultimately, the design, marketing and placement of the insurance products is the largest and most controllable, annual variable in the risk program. This is also the spot where the difference between a good broker and a great broker will yield the most tangible program cost savings.

We are experts at aligning clients with the most cost effective and stable insurance carriers. We provide detailed analysis of each carrier including data relevant to the long-term success of a risk management program. We serve each client with a custom program design and our process includes very detailed evaluation of a client's risk appetite, loss exposure, budget constraints and political climate before we begin to align them with the appropriate insurance programs.




Due in large part to our critical mass in the public entity marketplace we have direct access to every insurance market that allows for such access. We continually monitor existing and emerging markets for financial and rate stability. Face-to-face meetings with underwriters occur throughout the year to ensure that we are on the leading edge of any changes in carrier rate, coverage, or financial standing.

Whenever a significant change is occurring or will occur in the marketplace we move quickly and proactively to mitigate the fiscal impact. For example, when Hurricane Ian hit in 2022 we knew the property insurance market would be significantly impacted. We communicated with clients early and

began creating options and tools to mitigate imminent rate increases. We have also conducted workshops with elected officials to set expectations and review the options available to mitigate the rate changes many months prior to policy renewals.

Monitoring and understanding the marketplace is a critical element in providing timely and competitive renewals.

The Brown & Brown Public Sector team strategically leverages market forces, spurs competition, and as a result, can consistently bring the **most** viable insurance placements to our clients. We are perpetually focused on the balance between holding the markets' interest while driving competition. That balance requires high levels of skill, experience, and market relationships capable of countering the market's desire to build profitable and long-term insurance contracts. Our team consistently drives this balance through a combination of three critical market performance attributes.

## Develop Market Submission

We will assist you with annual updates required by insurers. Our review of updates includes (but is not limited to): current exposures, changes in operations, loss control efforts, marketplace changes, and current claims analysis, we assist in the preparation of required insurance company applications. In addition to applications, the following items are and will be included within an underwriting submission:

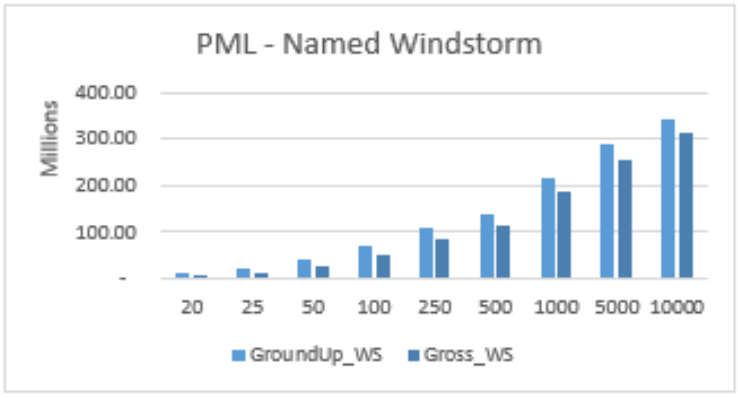
- Underwriting Executive Summary, including exposure overview and risk management strategies. See below illustration of our template for Underwriting Executive Summary providing an expansive view of your risk to the market.
- Claims reports and analysis, including details for large claims, claim trends and corrective actions.
- Supplemental information, including news articles, handbooks, procedural manuals, financials, and actuarial reports.
- Website links, photographs, assembly of special reports, and market narratives are developed to support reliable underwriting data and best represent the City in the marketplace.

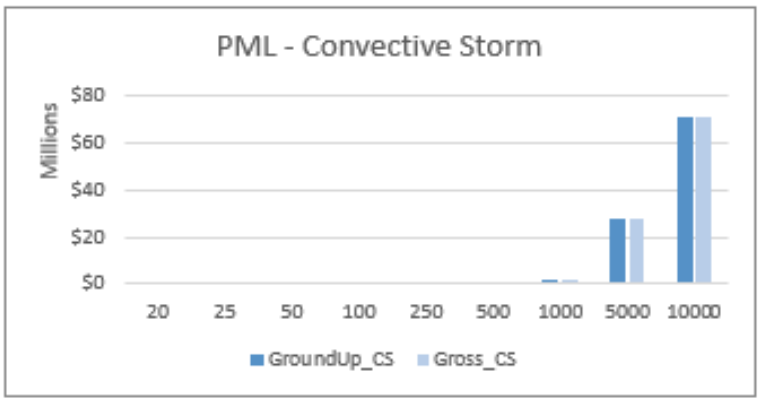
For the Property submission, it is important to secure accurate insured asset characteristics, so we scrub the Property Statement of Values (SOV) annually. We will assist the City in collecting any missing information, including site inspections if needed. We will make sure the SOV information is as complete as possible ensuring that modeling software outputs the best Probable Maximum Loss (PML) results. Below is a sampling of analytics utilized in the marketing negotiation process.

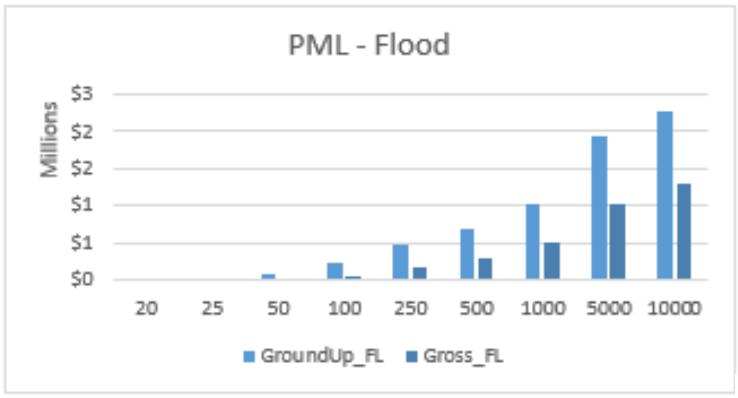
We have access to a centralized CAT Modeling team that can provide output report results for RMS and AIR. RMS can run perils for Named Storm (NS) including surge, earthquake and severe convective wind. Our recommended platform, AIR, can run NS including surge, earthquake, severe convective wind and flood. We can provide both the excel format as well as the PDF report format for client utilization.

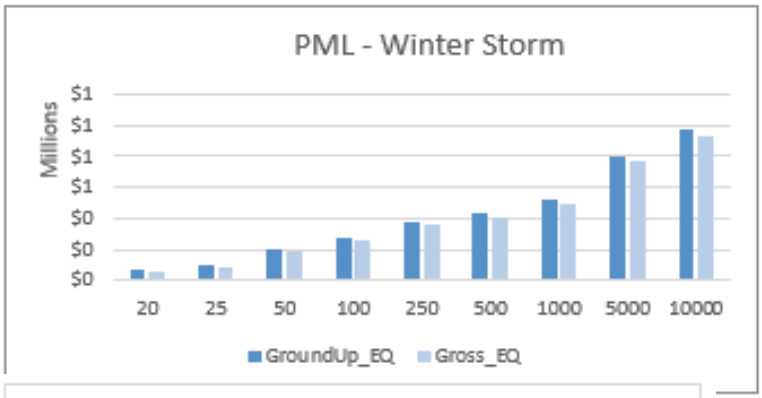
The below sample modeling analytic results show the Probable Maximum Loss (PML) for various catastrophic events. This report is computed after our initial exposure data analysis. This information assists us in determining appropriate policy limits and identifying areas that modeled the highest average annual loss.

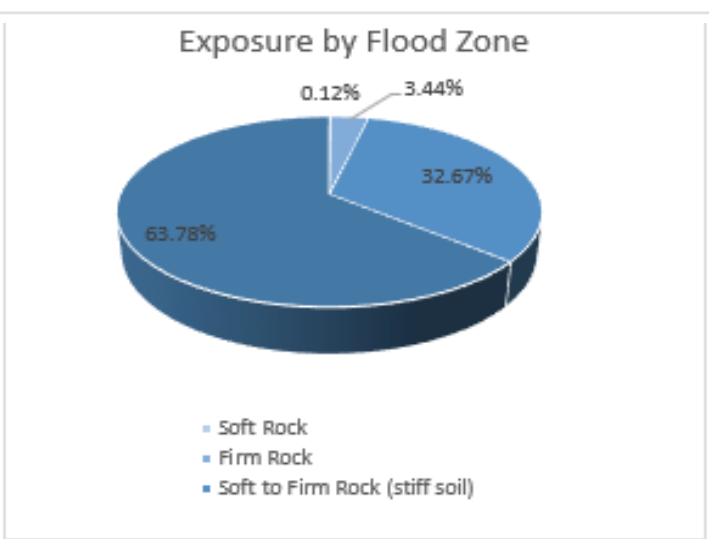
**Sample of AIR Touchstone v10/2024 analytics.**

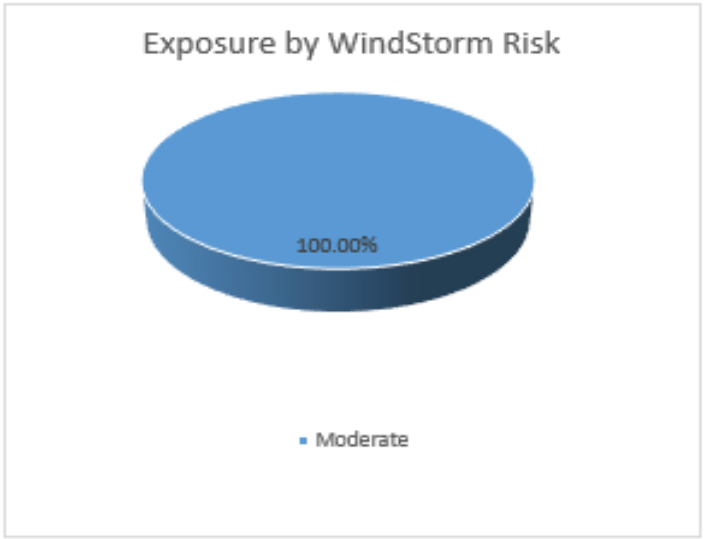


## Program Design

We will continually modify the City's insurance program to best fit the needs of the City at that time. This rationale is based on the City's losses, risk appetite, property values, and market conditions. The City's program should never be static. We intend to meet with the City before every renewal to establish expectations, coverage enhancements, risk tolerance, and budget to ensure a transparent and cost-efficient program.

## Insurance Proposal Presentation

Our insurance professionals present a written proposal detailing all proposed services and insurance terms and conditions including but not limited to:

- Stewardship Report
- Current Insurance Market Summary/Update (industry data and analysis)
- Market Overview (carrier quotes and declinations)
- Comprehensive Coverage Comparisons
- Expiring vs. Renewal Comparison
- Claim Analysis
- Catastrophic property and other modeling analytics
- Retention and policy limit options analysis
- Summary of terms, conditions and exclusion highlights, specimen forms and compensation disclosures
- Copies of all insurer quotes are included in our hard copy proposal
- Written confirmation of all commissions paid to broker/intermediaries

## Attendance at Public and Internal Meetings

Our team is available to attend Board Meetings, Department Meetings, Insurance and Safety Committee Meetings, and any discussions or meetings with the Risk Management Team.

We agree to attend as many meetings as desired or necessary upon request by the City.

## Agency Management Systems

The key to effective administrative support from our agency is through internal organization and follow-through. Our team utilizes Vertafore, and a suite of agency management systems spearheaded by **AMS360 Online**. These systems enable our team to effectively manage all client tasks with integrated solutions focused on identifying, tracking, and completing workflows on time, every time.

Our system manages all aspects of account management including billing, document management, communications, (emails, applications, written correspondence, etc.), marketing, claims, certificates of insurance and many other daily transactional activities. All pending items are suspensed and completed in a specified time frame. This system is designed and maintained so that each service team member can service any account if a primary account representative is out of the office. To guarantee our ability to provide continuous uninterrupted service AMS 360 data is maintained in redundancy at an offsite location. **If any of our locations were to suffer a catastrophic loss, we could still operate at full capaCity on a remote basis and with the support of our multiple office structure.**

**AMS360 is an agency management system that provides the foundation for our team to boost productivity and track all workflows. It helps streamline workflows, improve renewal timelines, improve teammate productivity, and enables our team to deliver excellent customer service. AMS 360 allows our team to:**

- **Integrate agency-carrier workflows**
- **Better manage and access insurance documents and client content**
- **Configure workflows to route the right work to the right person at the right time**
- **Provides real-time insights**
- **Reduce time spent on finance and accounting through insurance process automation**
- **Automate alerts on renewals and analyze rate information for use by our brokerage team**
- **Integrate technological inputs from vendors, clients and carriers**

## Quality Control

Our Agency Management Systems (AMS 360) and other Quality Control guidelines ensure that tasks and activities are completed in a timely manner. Brown & Brown has a **Quality Control division which includes multiple teams of internal auditors**. These auditors perform not only financial audits, but also file and Information Technology audits of each office to assure funds, records and client service are performed in accordance with the company's policies and procedures. The results of these audits are made directly to Brown & Brown's Board of Directors. In addition, we have corporate standards, including procedures such as: Catastrophe Plan, Contract Review standards, Internal Procedures Manuals, Correspondence Management, Data Retention, etc.

All team members must and will follow corporate Quality Control Guidelines for timeliness and service delivery. Annual requirements include:

- Insurance Coverage Review Checklists completed annually
- Mandatory internal self-audit procedure and financial audits to ensure quality procedures and desired results.
- Mandatory annual compliance training for employees, including insurance licensing, cyber/IT, ethics, and various computer software.
- These trainings are timely and are directly related to our customer experience. For example, MS Teams training was required immediately following the pandemic lockdown orders.

## Security Committee

Although we cannot predict the future results of any company, we persistently offer only financially secure insurers to our clients. Per corporate mandate, Brown & Brown is not authorized to provide quotes to our clients from unauthorized insurers or insurers with a less than AM Best rating of A- or those not rated by AM Best without an authorized exception. However, since it may be in the best interest of our clients to review and bind quotes from certain alternative risk transfer providers, Brown & Brown has established a Market Security Committee which reviews and monitors insurers falling into these categories: Risk Retention Groups, Captives, Self-Insured Groups, Trusts, State Funds, and Joint Underwriting Associations.

In addition:

- Each team member monitors industry news from various sources daily.
- AM Best ratings are confirmed and provided formally any time a quote is presented.
- Any discussion or further research regarding ratings or financial position is performed, as necessary.

## Safety and Loss Control

Safety is a key objective of our program, and a tailored loss control plan is the key to lowering the long-term cost of risk for the City. We will coordinate a highly qualified loss control representative for on-site training, safety audits, policy review, workers' compensation claim reduction and other activities at the direction of the City. We will be an active partner in assisting the City's loss control, safety and claim reduction efforts, and are committed to providing meaningful risk control tools and analysis. As such, our efforts will be tailored to the specific needs of the City and measured for cost effectiveness.

The City will be assigned a **Safety & Risk Management Consultant** to identify needs and deliver risk management resources. All our senior consultants have over 20 years of experience each and are directly involved with the loss consultant assigned to the City. Customized on-site training is dependent upon the needs of the City. Some of the standard training topics include (but are certainly not limited to):




- Emergency and Hurricane Preparedness
- Defensive Driving
- Workplace ergonomics
- Job Hazard Analysis
- Employment Practices
- Mental Health/PTSD in the Workplace

Our Team will obtain, analyze, and monitor workers' compensation loss reports monthly and establish meetings with staff to review loss trends. We participate in claims reviews, mitigate claim issues, work directly with adjusters and defense counsel when necessary, and always seek to serve as an extension of our client's risk staff.

Brown & Brown Public Sector will assist with the coordination of all resources available to the City. The City will be assigned our dedicated Public Entity Loss Control & Safety representative, **Gary Raia, ARM.** The services and expertise of Mr. Raia is provided to the City at no cost.

Our greatest expertise arises from our experience with governmental clients at every size and every risk tolerance. We represent clients as small as 10 employees and as large as more than 50,000 employees. Those clients have risk management programs which range from 1st dollar, to almost completely bare from an insurance perspective. That experience allows us to bring expertise, ideas, and perspective from every possible angle within the industry.

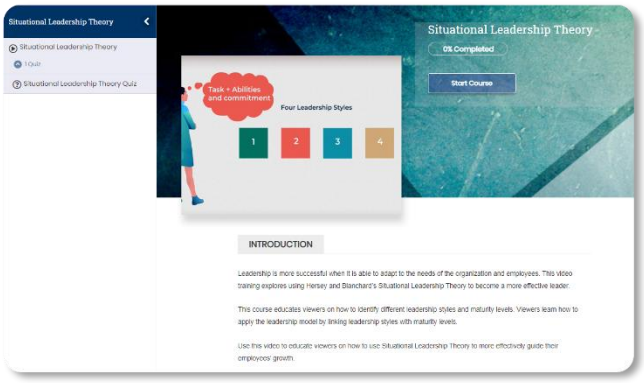
## Online Training Resources

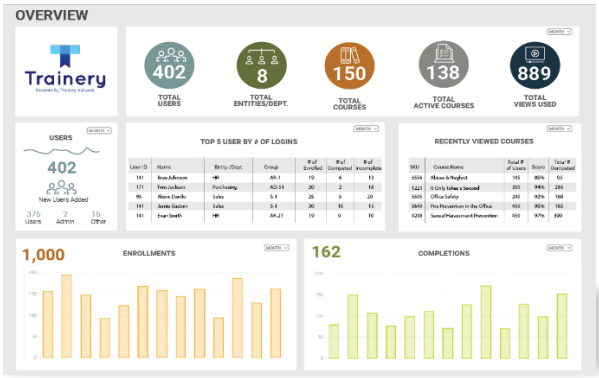
**Streamery is an online streaming solution** provided to Brown & Brown Public Sector customers to facilitate the training of employees in the policies and procedures that build a safe workplace.

Streamery serves as a leader in the distribution of Safety, Management, Technology, and Human Resource training programs. They offer a variety of tools and solutions to help organizations comply with HR regulations and requirements, including OSHA, DOT and the EEOC. The innovative training platform includes over 700 videos on demand that can be streamed anytime, anywhere. The included Training Support Materials make this valuable resource the perfect tool for instructor lead or individual training. Notable subjects include:

* **Defensive Driving**
* **Emergency Planning**
* **Active Shooter and Workplace Violence**
* **Evacuation Procedures**
* **Using Fire Extinguishers**
* **First Aid- Until Help Arrives**
* **Hazard Recognition**
* **HIPAA Rules and Compliance**

These work best when led by a supervisor or trainer from an individual department. The trainings are short (5-20 minutes on average), so are perfect for use in weekly safety meetings!




*A single login (which can be utilized by multiple supervisors) is included in our proposal

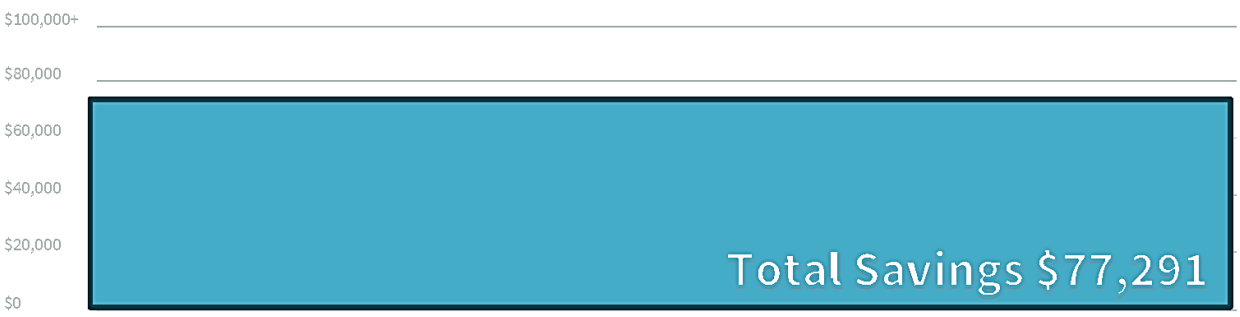
The below is an example of the PGIT Stewardship Report that identifies the positive usage of the loss control services detailed above, cost savings because of the utilization, and areas of improvement.

# Stewardship Report

Preferred® PGIT GOVERNMENTAL INSURANCE TRUST

## RATING ★★★★

## Citrus County




### Tips

- **$0 - used**

### Vector Solutions

- **$56,546 - saved**
- 950 – registered users

### Risk Management Resource Center

- **$9,350 - saved**
- 40 - resource utilized

### Engagements

- **$0 - saved with Streamery**
- Preferred Loss Control Agent contact – Average.

### Property Appraisal

- Based on your number of structures, the average amount saved by receiving a free comprehensive property appraisal is $11,395

## HIGHLIGHTS

This member has utilized Vector Solutions and the Risk Management Resource Center with great success. You also participated in our Cyber webinar last year.

## AVAILABLE

I am showing none of the available $5,000 used in TIPS money for this member. Please contact the Director of Loss Control Services Pam Hancock to find out how to take full advantage of these valuable resources. Other resources available include: Claims 101, Claims Reviews, and in-person consultations and training.

## Claims Advocacy & Resources



Brown & Brown Public Sector does not employ a single national claims service employee for all our clients. Instead, we follow a successful team approach of using resources that are readily available and the best specialists/negotiators/relationship-holders for any given situation.

An important facet of pre-loss advocacy is a proactive discussion of expectations with the City's dedicated Executive Field Adjusters, or "Assigned Adjuster." We will also conduct Table-Top exercises to establish best practices for disaster recovery protocols. Our objective is to create an efficient and concise recovery process that eliminates any unnecessary delays should a large loss occur.

For Casualty claims advocacy, we will work closely with insurance carriers and Third-Party Administrators (TPAs). We are willing and able to coordinate and attend claims meetings to resolve claims quickly and equitably. Your assigned Team Leader, Kyle Stoekel, has extensive experience representing the clients' interest in claims resolution.

We prefer to develop a working relationship with our clients' TPA. It is important for your broker to communicate policy information and reporting requirements for excess insurers at least annually. We also ensure that reports required by our carriers are formatted and delivered to excess insurers' satisfaction to proactively avoid any coverage issues. It is also important that your TPA is vetted by any potential new insurer to which the TPA will be reporting. This process can be quite extensive, and we will handle approval and any transition for you.

We may also need to expeditiously coordinate Excess Casualty claims reimbursements with Staff, adjusters and TPA. We prefer to attend and coordinate claims review meetings with excess insurers, client departments, and the TPA, and assist in coverage clarifications with underwriters as needed.

The team proposed herein is well-versed in claims advocacy. If assistance is needed in any particular area, we reach out to the appropriate Brown & Brown or non-Brown & Brown business partners.

Our **Claims Specialist**, Jessica Conway, embraces her primary function to ensure that all claims submitted through our office (non-TPA reported) are received and acknowledged by an adjuster within 24 hours for non-TPA policies. She also provides follow-up with adjusters on open claims to ensure claims handling is in step with the Client's objectives. Tasks included within this role include:

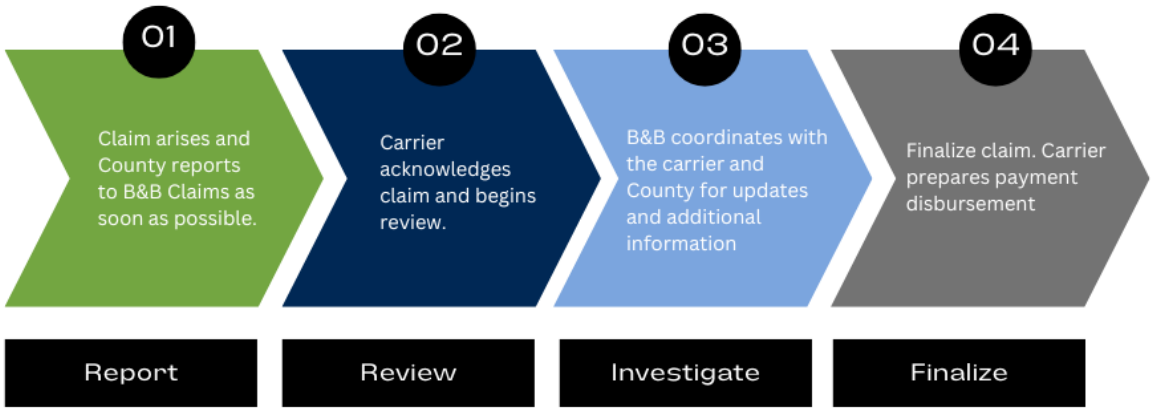
- Claims reporting (for policies placed outside TPA contract)
- Claims tracking/acknowledgement and closure

- Coordinate claims review meetings
- Liaise with adjusters, client departments and TPA
- Assist in coverage clarifications with underwriters as needed
- Prepare spreadsheets in FEMA format for catastrophes
- Pre- and post-event communication

We are **committed to being an extension of the City's staff** and take an active approach to ensure that claims management is the number one priority. We provide all new clients with a 'Claims Kit,' which outlines procedures and protocols for effective claim reporting, monitoring, and closure.

As a claims advocate, Brown & Brown Public Sector will work closely with you and directly on your behalf with insurance carriers. We are willing and able to coordinate and attend claims meetings to resolve claims quickly and equitably. We have extensive experience assisting our clients with claims, both large and small. Our position is that we represent our clients, not the insurance carriers. The City will never question which side of the fence we are on. We follow up with adjusters on open claims to ensure claims handling is in step with the client's desires.

While every claim is slightly different and should be approached accordingly, the same basic process applies: Report, Review, Investigate, Finalize. We recommend reporting any claim or potential claim to us, as your claims advocate, as soon as possible. We will report to the corresponding carrier and ensure a claims acknowledgement is received and the City is kept involved of the claims status. We do not settle claims without your consent and we ensure claims are reserved properly and closed when finalized to give the City the most accurate loss experience to carriers.




**Extra Resources:**

Brown & Brown Public Sector will coordinate with property adjustors and TPAs to ensure smooth claim processing.

We will provide quarterly claims reviews as requested to ensure claims are moving forward in a timely manner.

## FEMA Public Assistance Coordination



Our vast experience in managing large property claims has led us to develop unique programs such as our FEMA Coordination program. This service was created in response to the difficulty that most public entities experienced in dealing with FEMA after the major storms in 2004.

Our first initiative was to gain an intimate understanding of the Stafford Act and its implications in providing public assistance funds in Florida. We then met directly with FEMA representatives in the Lake Mary Long Term Disaster Recovery office and quickly established a procedure and protocol with FEMA personnel that will improve their ability to quickly pay public assistance funds to our clients. For example, we have provided a current client property policy and schedule to FEMA in advance of any losses so that FEMA will not need to request this information directly from our clients. We have also coordinated the efforts of the insurance company's loss adjusters to better align with the data that FEMA requires on their Project Worksheets. These project worksheets are an integral part of FEMA's reimbursement process and can significantly slow the process if they are not completed accurately.

We are also committed to working directly with FEMA representatives and consultants to expedite every aspect of the public assistance process. In the event of a major loss, we will be assisting in every step of the insurance company claims process as well as the FEMA reimbursement process. We are confident that with the protocols in place we can effectively improve the expediting of claim payments and cash flows.

We are intimately familiar with the State's new disaster recovery initiative, F-ROC and can assist the City with submissions to the system. We can also assist in procuring and establishing qualified and pre-approved vendors for disaster recovery functions.

Upcoming F-ROC Key Milestones can be found below, and our team is available to assist the City in completing applications to reach the required opt-in periods.

**IMPORTANT F-ROC DATES**

| | |
|---|---|
| June 1, 2025 | Opt-In Period Opens |
| July 1, 2025 | DRA Submission Opens |
| August 31, 2025 | Opt-In Period Closes |
| October 31, 2025 | DRA Submission Deadline |

## Turnkey Disaster Recovery – Preferred Priority

Through our exclusive partnership with *Preferred*, the City has access to a fully managed disaster response program. Instead of having the burden of managing and coordinating with multiple third-party vendors after a disaster, we can seamlessly manage the recovery response with BluSky Restoration. BluSky can provide immediate access to water mitigation resources, roof assessment, repair and replacement and building reconstruction. BluSky coordinates directly with us, as your agent, *Preferred*, your insurance carrier, and Engle Martin, the claims adjustor, to ensure a fluent recovery process. This service is included in the *Preferred* program at no additional costs and provides the City with the security of having the recovery process streamlined all in one place. More information on BluSky Restoration can be found on the following page.

After the recent destruction brought on by Hurricane Milton on 10/09/2024, Citrus County experienced substantial damages. The roof of one of their training centers was torn off and flooded the inside of the building. BluSky mobilized the **same day** and fully tarped the roof and provided water extraction and drying. Their quick and efficient response prevented further damage to the building and the fantastic communications have made this claims process seamless. Without BluSky, the County would've had to contact multiple different vendors and attempt to get them to the damaged building in a timely manner, creating stress and disconnect in communications.

# When Disaster Strikes, Preferred Priority Is There



**Whether it is a named storm, flooding, fire or any other natural disaster, Preferred Priority is there with the response and services you need for a simplified quick recovery.**

### Property Appraisal Services

- Partnership with Centurisk to provide free extensive property appraisal services for all property coverage members.
- Detailed appraisal reports to include replacement cost, construction, occupancy, protection, exposure along with photographs of structures appraised.
- Accurate declared values to protect members from possible penalties related to stated value policies.
- Online access to Centurisk AMP for tracking of property schedules, review of appraisal values and COPE information, as well as appraisal trending.

### Disaster Recovery & Mitigation

- Immediate deployment of Engle Martin field adjuster team to assess damages and provide estimation for losses.
- Prompt adjustment of claims and issue of payments.
- 24/7 Emergency Mitigation Response services, such as catastrophic storm response, water damage, extraction/ drying, and content restoration, through our partnership with BluSky Restoration, to quickly get your operations back up and running.
- Panel of other approved recovery vendors with structured claim payments directly paid to vendor of members choice.

### Pre-Storm Preparations

- Experienced Loss Control team to assist with disaster preparedness and disaster recovery planning.
- Annual Disaster Preparedness Guide provided to all members prior to storm season.
- Storm alerts via social media.
- Close monitoring of projected storm path and land fall zone to coordinate swift, strategic deployment of resources and field adjusters to assist members.

### Claims Close Out

- Dedicated team of in-house claims adjusters for speedy and seamless claims processing.
- Easy and efficient claims process including assistance with required documentation to support FEMA claim.

# MEMBER-CENTRIC EMERGENCY RESPONSE

Preferred Priority and BluSky Restoration




## 24/7/365 Emergency Disaster Response:

# 800.266.5677

**BluSky Restoration's efficient responses ensure seamless service for members when they need it most. BluSky is proud to offer:**

**Expert Emergency Response**

- ✓ Water extraction, drying, and sanitation
- ✓ Board up & temporary roof cover
- ✓ Smoke & soot removal
- ✓ Temporary power distribution
- ✓ Total reconstruction

**In-House Commercial Roofing**

- ✓ Roof damage assessment
- ✓ Repair & replacement
- ✓ Total reconstruction

**Environmental Testing & Remediation**

- ✓ Asbestos, mold, & biohazard cleanup
- ✓ 24-hour air quality monitoring
- ✓ Negative air pressure containments
- ✓ Total reconstruction

**In times of crisis, turn to BluSky to get things back to normal as quickly and smoothly as possible.**

Get in touch with our team: preferred@goblusky.com

**Morgan Jordan**
C. 407-947-1642
Morgan.Jordan@goblusky.com

**Ashely Fullenkamp**
C. 678.481.3292
Ashley.Fullenkamp@goblusky.com

**Katy Nance**
C. 404.938.0208
Katy.Nance@goblusky.com

BluSky restoration | renovation | environmental | roofing

Preferred PGIT GOVERNMENTAL INSURANCE TRUST

**24/7/365 Emergency Disaster Response: 800.266.5677 | GoBluSky.com**

## Data Management & Exposure Identification Tools

Our experienced staff assists in managing and creating the database for submission to insurers, including Property, Automobile, and Inland Marine schedules. Our goal is to have no administrative impact on the City. We accurately maintain and update all the City's schedules and make them available in real time for the City to review.

Brown & Brown Public Sector's benchmarking and analytics tools allow us to provide customers with market insights helping to make more informed decisions about premiums, limits, and retentions.

Analytics tools include:

- Workers' compensation experience modification analysis
- Property catastrophe modeling
- Loss forecasting analysis
- Public entity benchmarking (example below)

**Property Insurance Benchmark Report**

Brown & Brown

| Total Insured Value | Loss Limit | Wind Limit | Premium | Wind Ded | 24/25 Rate | Rate Change |
|---|---|---|---|---|---|---|
| $872,607,761 | $150,000,000 | $35,000,000 | $4,067,946 | 5% | $ 0.466 | +1% |
| Total Insured Value | Loss Limit | Wind Limit | Premium | Wind Ded | 24/25 Rate | |
| $1,911,557,508 | $115,000 | $90,000,000 | $6,986,917 | 5% | $ 0.37 | -13.8% |
| Total Insured Value | Loss Limit | Wind Limit | Premium | Wind Ded | 24/25Rate | |
| $344,017,645 | $25,000,000 | $25,000,000 | $1,316,887 | 5% | $ 0.38 | +5% |
| Total Insured Value | Loss Limit | Wind Limit | Premium | Wind Ded | 24/25 Rate | |
| $255,800,758 | $75,000,000 | $50,000,000 | $1,623,802 | 5%/$250k Min | $ 0.63 | +6% |
| Total Insured Value | Loss Limit | Wind Limit | Premium | Wind Ded | 24/25 Rate | |
| $592,652,914 | $50,000,000 | $40,000,000 | $3,619,174 | $5,000,000 | $ 0.61 | +25.6% |
| Total Insured Value | Loss Limit | Wind Limit | Premium | Wind Ded | 24/25 Rate | |
| $474,723,259 | $75,000,000 | $75,000,000 | $4,545,722 | 5% | $ 0.96 | +13.6% |

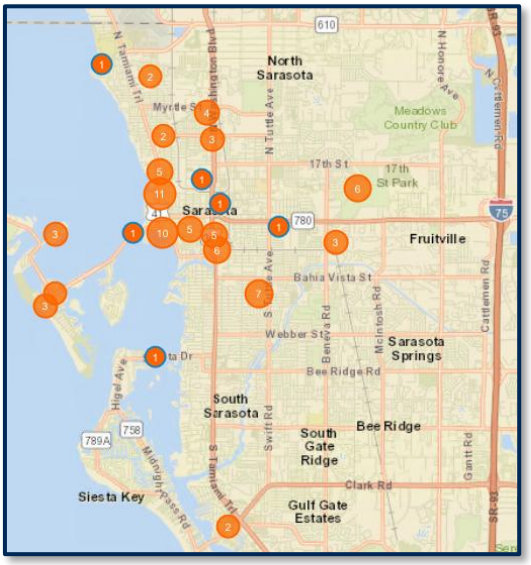
We provide all resources to keep up with valuation changes. Property Appraisals and property trending information is provided FREE OF CHARGE to the City by the current insuring arrangement, *Preferred*. In addition, the City has access to the innovative RiskStar database described below.

Our team assists in scrubbing/reconciling property appraisals and implementing new values. We also will provide annual advice on trending of values, in addition to the suite of services provided at no cost by *Preferred*, our brokerage team provides the resources below to our clients.

Our team utilizes RiskMeter and CoreLogic, a completely online resource providing on-demand hazard risk data. This in-house subscription is utilized to be sure the most accurate and complete underwriting data is provided to the property underwriters via the Property Schedule.

RiskMeter Online™ CoreLogic

A completely online resource providing on-demand hazard risk data, this in-house subscription is utilized to be sure the most accurate and complete underwriting data is provided to the property underwriters via the Property Schedule.



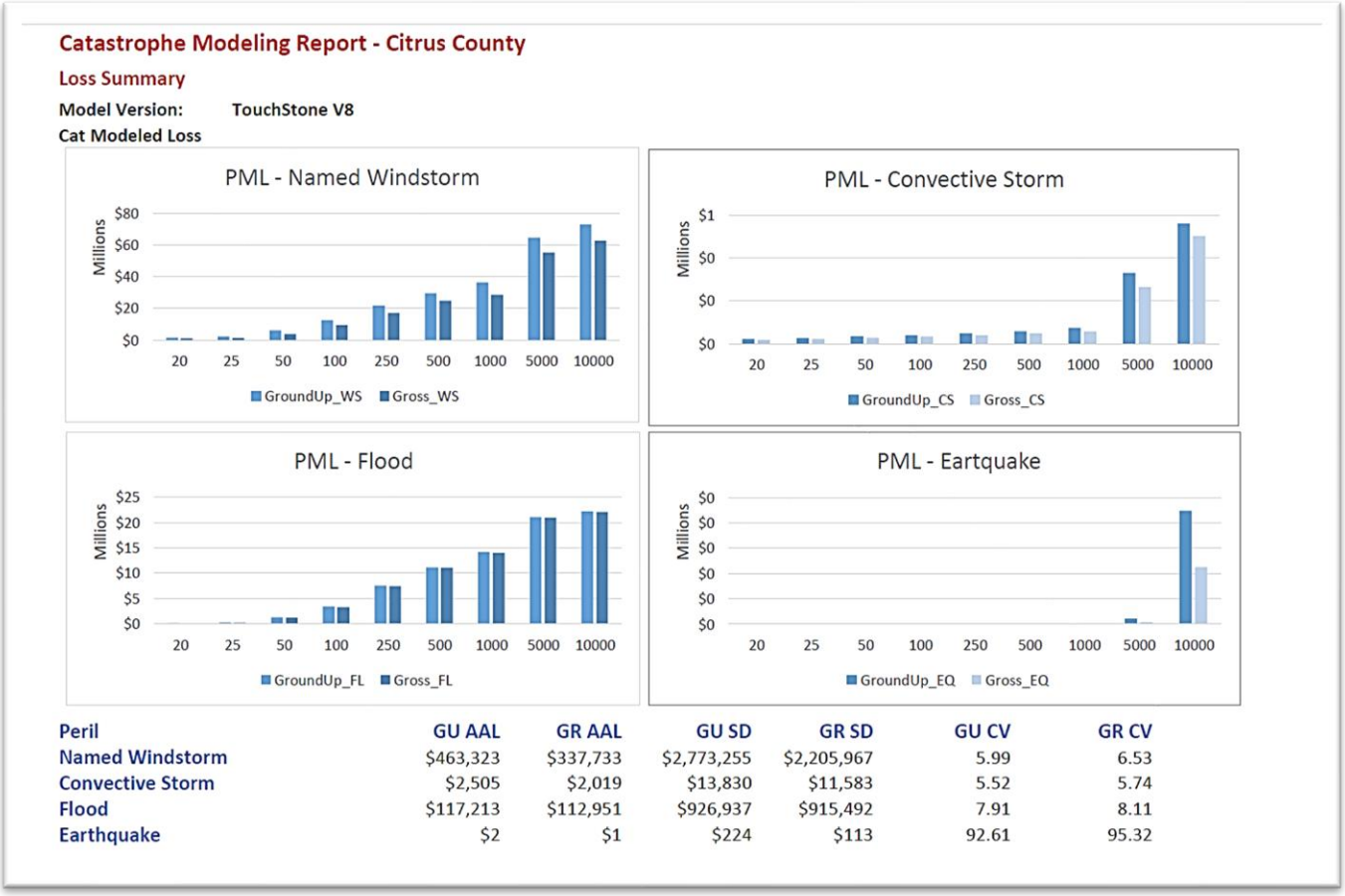

**Real Time Data Available for individual sites includes:**

- Distance to Coast
- Flood Zone Determination with distance from SFHA
- Storm Surge Score
- FEMA Flood Insurance Rate Map and panel number

We have national contracts with both of the top catastrophic modeling platforms, RMS and the preferred AIR Worldwide and their Touchstone Platform. The Touchstone Platform provides proprietary software-driven program analytics of individual client risk exposures on multi-layered interactive maps.

These highly sophisticated analyses provide actionable data via Interactive mapping and client-specific geographic risk profiles, including the following:

- Data analysis to reduce uncertainty, ensure accurate underwriting data, and preempt modeling formulas utilized by insurers to evaluate risk, set rate and coverage terms
- Custom catastrophe and non-catastrophic modelling analysis
- Visualize severe thunderstorm and windstorm risks
- Quality data analytics which measure true risk profiles
- Geo-visualization tool – Spatial Key




| Peril | GU AAL | GR AAL | GU SD | GR SD | GU CV | GR CV |
|---|---|---|---|---|---|---|
| Named Windstorm | $463,323 | $337,733 | $2,773,255 | $2,205,967 | 5.99 | 6.53 |
| Convective Storm | $2,505 | $2,019 | $13,830 | $11,583 | 5.52 | 5.74 |
| Flood | $117,213 | $112,951 | $926,937 | $915,492 | 7.91 | 8.11 |
| Earthquake | $2 | $1 | $224 | $113 | 92.61 | 95.32 |

We will make available to the City, at no cost, a valuable web-based Property Asset Management Tool. This property management web-based platform is offered by Centurisk, an industry leading appraisal and asset management company. The system is called RiskStar and provides the user with an easy and efficient tool to maintain tangible property data including buildings, contents, property in the open, vehicles, mobile equipment, and other fixed assets. RiskStar can greatly increase the integrity of data and has complete conversion capability for catastrophic modeling, proof of loss documentation and a plethora of property-based reports.

Centurisk

**Purpose-built software to navigate the complexities of risk management.**

From buildings to moveable equipment, RiskStar can help you manage data and workflows related to various asset types. Data conversion capabilities for catastrophe modeling, reports for proof-of-loss documentation, and a streamlined insurance renewal process are just some of what makes RiskStar the clear choice for managing property data and values.



RiskStar

## 5 Reasons Your Risk Pool Needs RiskStar

- RiskStar helps you meet the underwriting requirements of an ever-changing property insurance market
- With RiskStar, you can turn detailed data into actionable insight
- RiskStar can help you enhance member engagement through technology
- Providing an exceptional customer experience is a core value of the RiskStar team
- RiskStar was built for risk pools by risk pools, designed with your needs in mind



RiskStar Property Risk Software

### Comprehensive is an understatement.

Designed by property appraisal experts and risk management professionals, RiskStar offers the most robust functionality for managing property risk and exposures on the market.

Show me how ›

Property Insurance Appraisal Services

### Data you can trust for insurance coverage you can count on

Our property insurance appraisal solutions include various levels of service to address 100% of property values within a wide range of budgets. Onsite, USPAP-compliant appraisals, virtual valuations, a proprietary valuation estimator tool, and annual trending of values can be used in combination to meet your needs!

Learn More ›

Property Valuation Estimator

### Generate and benchmark property values with the click of a button

A custom-built valuation model can be applied to generate an accurate estimate of replacement cost using property data stored in the RiskStar Property Risk Software platform.

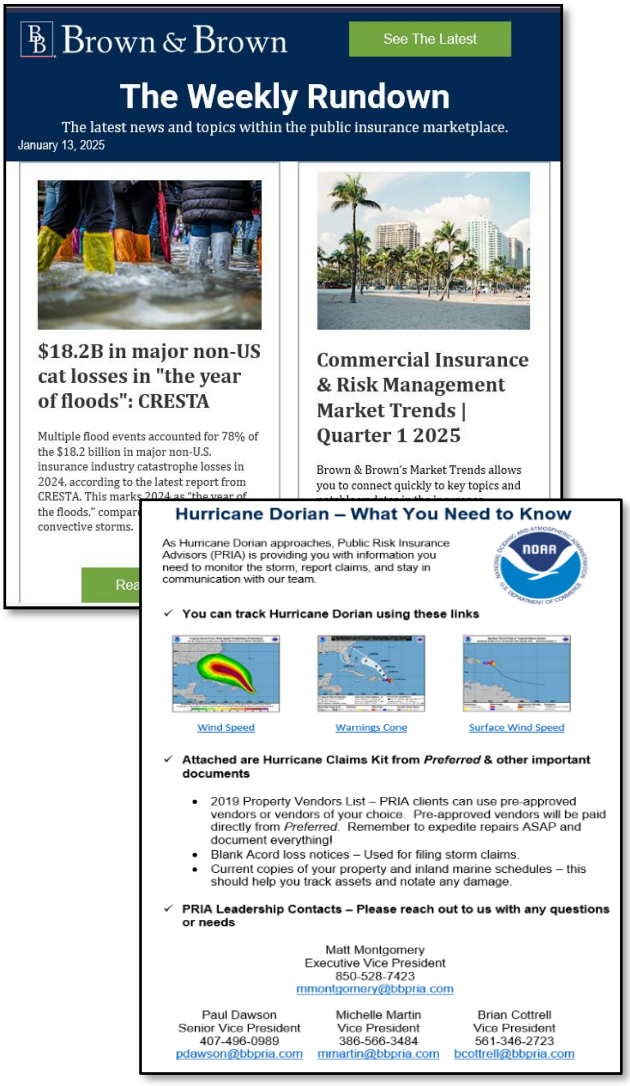
Check it out ›

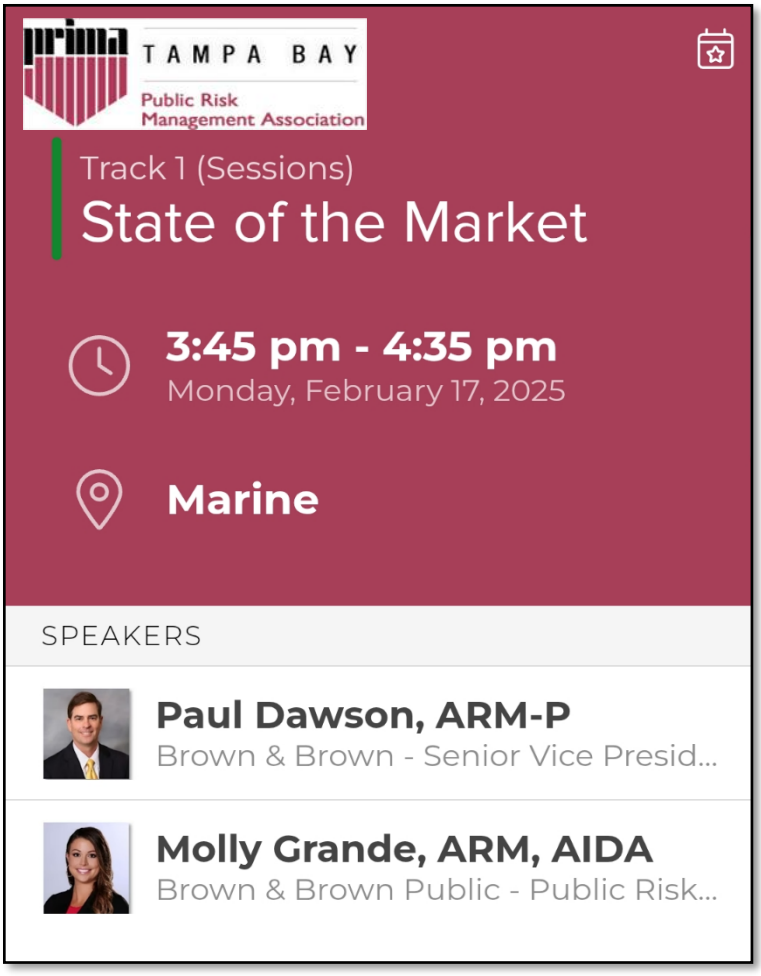
## Enhanced Communication Resources

We are proficient in training our clients in many areas including but not limited to: Contractual Risk Transfer and Indemnification, FEMA Rules and Procedures, Employment Practices Liability, Florida Public Entity Law, and State of the Market. Our team is available to present any necessary training to City employees as needed.

We also provide timely topical updates unique to the City. These are available via email and on our website, but we also discuss directly with the City how these may impact your specific environment.

- White Papers
- Current risk environment updates, for example Cyber resources and updates
- Legislative and market updates
- Florida public-entity focused newsletter (The Weekly Rundown)



6. **The client executive assigned to the account must have a minimum of ten years of experience providing similar broker of record services to municipalities of similar size in the state of Florida and must be capable of speaking and making decisions on behalf of the firm. Additional support staff assigned to the City must have a minimum of five years of experience supporting municipalities in the administration of property and casualty insurance programs.**

Agree. Please see section 2 for additional details.

# Section 3
## Scope of Services

## Section 3 – Scope of Services

**The City is seeking proposals from established, qualified Property & Casualty insurance brokers who are properly licensed and have been in the business for not less than five (5) years. The broker selected will serve as the City's Agent of Record and will be responsible for conducting all services relative to the marketing, acquisition and maintenance of Property & Casualty insurance on behalf of the City of Ormond Beach. The Agent of Record may receive a reasonable commission from the Property & Casualty insurance carrier(s) and/or charge an administrative fee directly to the City. The Agent should be able to acquire liability coverage which provides for the City's choice of counsel. Examples of the work expected to be performed by the selected agent includes but are not limited to:**

Brown & Brown Public Sector confirms our ability and understanding of the requested Scope of Services outlined below. We consider these our core competencies and deliver a very similar scope to the majority of our current clients. Our public sector expertise allows us to consistently deliver on these items with the highest level of efficiency and customer service.

| Scope of Services | Agree | Disagree |
|---|---|---|
| 1. Contact Property & Casualty insurance providers on behalf of the City to resolve issues that may arise throughout the year as needed. The City of Ormond Beach currently purchases Excess Workers' Compensation, Property, Public Officials Liability, Employment Practices Liability, Commercial General Liability, Licensees & Permitees, Drone, Cyber, Volunteer Accident, Petroleum, Flood, Professional Liability for Specified Medical Professions (Emergency Medical Technicians – EMT), Commercial Crime, and Accidental Death and Disability for Public Safety coverage. The City may consider Auto Liability coverage, or other applicable coverage. | ✓ | |
| 2. Negotiate renewal rates on an annual basis for the most comprehensive coverage at the most cost-effective premium with input from City staff and provide such rates no later than July of each year – unless other arrangements are agreed-to between the broker or brokers and the City. | ✓ | |
| 3. Assist the Risk Manager and/or City staff in conducting annual physical inventories for real and personal property, establishing current replacement values. | ✓ | |
| 4. Prepare and maintain list of current properties owned by the City. Update list to reflect new construction, acquisition or deletion of property and provide same to the City, at a minimum on an annual basis. | ✓ | |

| Scope of Services | Agree | Disagree |
|---|---|---|
| 5. Assist the Risk Manager in preparing documents and exhibits for presentation to the City's Insurance Program Committee and/or City Commission for approval/annual renewal of Property & Casualty insurance. All documents/proposals to be considered by the City Commission for approval must be received in final form to meet deadlines established by the Risk Manager for inclusion in the City Commission agenda packet. | ✓ | |
| 6. Attend City Commission meetings and other meetings as requested by City staff at no cost to the City. | ✓ | |
| 7. Assist City staff with review and suggested improvement to the City's minimum insurance requirements. | ✓ | |
| 8. Be available to meet with City staff concerning issues regarding the City's minimum insurance requirements and certificates of insurance. | ✓ | |
| 9. Be willing to assist vendors or bidders on City contracts with insurance coverage that meets or exceeds the City's minimum insurance requirements. | ✓ | |
| 10. Assist in the preparation of Requests for Proposals (in compliance Section 2-300 of the Ormond Beach Code of Ordinances) and analysis of same as needed at no charge to the City. | ✓ | |
| 11. Respond to telephone calls from City staff on the same day or within twenty-four (24) hours and be available at night and on weekends as needed. | ✓ | |
| 12. Be available to meet on-site as required by the City within 48 hours of request, unless other arrangements are agreed-to between the broker and the City. | ✓ | |
| 13. Actively pursue improved coverage and/or rates on behalf of the City of Ormond Beach. Outline marketing techniques including timing, client meetings, meetings with underwriters and major carriers. | ✓ | |
| 14. Perform risk management advisory services. Advice must be provided on emerging risk management trends, the state of the market and any new, innovative products. | ✓ | |
| 15. Review and refine existing insurance model and prepare ongoing reports as requested. | ✓ | |
| 16. Provide other related services as determined by the City at no cost to the City. | ✓ | |

# Section 4

## Fees

## Section 4 – Fees

### Provide the firm's fee structure

Brown & Brown Public Sector proposes an annual fee not to exceed $40,000.

# Section 5
## Required Forms

ACORD®

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 01/13/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER | | CONTACT NAME: | Jayne McGraw | |
|---|---|---|---|---|
| Brown & Brown Insurance Services, Inc.<br>P O Box 2412<br>Daytona Beach FL 32115-2412 | | PHONE (A/C, No, Ext): | (386) 239-5757 | FAX (A/C, No): (386) 239-6190 |
| | | E-MAIL ADDRESS: | Jayne.McGraw@bbrown.com | |
| | | INSURER(S) AFFORDING COVERAGE | | NAIC # |
| | | INSURER A : | Travelers Property Casualty Company of America | 25674 |
| INSURED | | INSURER B : | XL Specialty Insurance Company | 37885 |
| Brown & Brown Inc. Et Al<br>P O Box 2412<br>Daytona Beach FL 32115-2412 | | INSURER C : | The Continental Insurance Company | 35289 |
| | | INSURER D : | The Charter Oak Fire Insurance Company | 25615 |
| | | INSURER E : | | |
| | | INSURER F : | | |

COVERAGES CERTIFICATE NUMBER: 25022 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE X OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>X POLICY PRO-JECT LOC<br>OTHER: | | | TC2J-GLSA-9527B874-TIL-25 | 01/01/2025 | 01/01/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 1,000,000<br>$ 1,000,000<br>$ 5,000<br>$ 1,000,000<br>$ 10,000,000<br>$ 2,000,000 |
| A | AUTOMOBILE LIABILITY<br>ANY AUTO<br>OWNED AUTOS ONLY<br>X HIRED AUTOS ONLY<br>SCHEDULED AUTOS<br>X NON-OWNED AUTOS ONLY | | | TC2J-CAP-9527B862-TIL-25 | 01/01/2025 | 01/01/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident) | $ 2,000,000<br>$<br>$<br>$ |
| C | X UMBRELLA LIAB X OCCUR<br>EXCESS LIAB CLAIMS-MADE<br>DED RETENTION $ | | | 6011849429 | 01/01/2025 | 01/01/2026 | EACH OCCURRENCE<br>AGGREGATE | $ 10,000,000<br>$ 10,000,000 |
| D | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N / A | | UB-1R870198-25-51-K | 01/01/2025 | 01/01/2026 | X PER STATUTE OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | $ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |
| B | INS AGENTS E&O | | | US00106979EO25A | 01/01/2025 | 01/01/2026 | LIMIT<br>AGGREGATE | 20,000,000<br>20,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

NAMED INSURED: RISK MANAGEMENT ASSOCIATES, INC.
FOR INFORMATION

CERTIFICATE HOLDER

RISK MANAGEMENT ASSOCIATES INC
P O BOX 2416
DAYTONA BEACH FL 32115

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____

ACORD®

# ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

| AGENCY | NAMED INSURED |
|---|---|
| Brown & Brown Insurance Services, Inc. | Brown & Brown Inc. Et Al |
| POLICY NUMBER | |
| CARRIER / NAIC CODE | EFFECTIVE DATE: |

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 FORM TITLE: Certificate of Liability Insurance: Notes

INSURER A-WORKERS COMPENSATION-POLICY UB-1R861269-25-51-R-TRAVELERS PROPERTY CASUALTY COMPANY OF AMERICA-EFF 1-1-25 TO 1-1-26, LIMITS 1,000,000/1,000,000/1,000,000 - COVERS AZ, WI, MA

THE UMBRELLA POLICY IS FOLLOW FORM OVER THE GENERAL LIABILITY, AUTO LIABILITY, AND EMPLOYERS LIABILITY

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# CITY OF DAYTONA BEACH
## Local Business Tax Receipt # BT-65997

THE CITY OF DAYTONA BEACH
301 S. Ridgewood Ave., Rm 127-B
DAYTONA BEACH, FL 32114

Business Name: RISK MANAGEMENT ASSOCIATES, INC.

Location: 220 S Ridgewood Ave DAYTONA BEACH, FL 32114

Business Type: Insurance agency or company

DEVELOPMENT SERVICES DEPARTMENT
Business Tax Division
Phone: 386-671-8280

| | |
|---|---|
| BT-65997 | BT No |
| 9/23/2024 | Valid From |
| 9/30/2025 | Valid To |
| 9/23/2024 | Payment Date |
| $150.00 | Fee Amt |

Mail To:

RISK MANAGEMENT ASSOCIATES, INC.
220 S RIDGEWOOD AVE, STE 210
DAYTONA BEACH FL 32114

**2025**

Local Business Tax Receipt

DISPLAY AT PLACE OF BUSINESS FOR PUBLIC INSPECTION
THE CITY DOES NOT CERTIFY OR IMPLY COMPETENCE OF BUSINESS.

---

# CITY OF DAYTONA BEACH

BUS. TAX NO. BT-65997
THE CITY OF DAYTONA BEACH
301 S. Ridgewood Ave., Rm 127-B
DAYTONA BEACH, FL 32114

RISK MANAGEMENT ASSOCIATES, INC.

220 S Ridgewood Ave DAYTONA BEACH, FL 32114

*PAID RECEIPT*

| Receipt Date | Charge Name | Charge Amount | Tender Type |
|---|---|---|---|
| 9/23/2024 | Insurance agency or company | $150.00 | Check |
| | | Total $150.00 | |

**RFP Evaluation Summary**

**Recommendation highlighted**

**Agent of Record Property & Casualty Insurance**

**RFP Number:** 2025-46

**Date & Time: July 8, 2025 1:00 PM**

| | Brown & Brown | Foundation Risk Partners |
|---|---|---|
| **The RFP's were scored on the following criteria:** | **Group Score** | **Group Score** |
| Qualifications of Firm 30 Points Max | **30** | **30** |
| Experience of Dedicated Team Members 40 Points Max | **40** | **40** |
| References 20 Points Max | **20** | **20** |
| Price 10 Points Max | **10** | **10** |
| **Total** | **100** | **100** |

| | | | | |
|---|---|---|---|---|
| **Rob Hart** | **Claire Whitley** | **Shawn Finley** | **Samantha Potts** | **Susan Dauderis** |
| **Purchasing Coordinator** | **Assistant City Manager** | **Assistant City Manager** | **HR Manager** | **City Clerk** |

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.R. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Work Authorization - Lift Station 6P Rehab, Danus Utilities | | |
| **Recommended Action** | Staff recommends approval of the Work Authorization for Lift Station 107 (6P) Rehabilitation to Danus Utilities, Inc, for the not-to-exceed amount of $85,085. | | |
| **Strategic Goal** | Water Quality & the Environment - Other | | |
| **Department Staff Contact** | Public Works - Utilities Management<br>Bob Preis, Utilities Manager | | |


Summary

This is a request to approve an Underground Utility Construction Management Services Work Authorization with Danus Utilities, Inc. for services related to the rehabilitation of the 107 (6P) Lift Station.


The lift station with the designation of 107 (6P) is utility staff's current recommended rehabilitation priority. This lift station is located at 350 John Anderson Drive and it is responsible for conveying a large amount of wastewater from the northern peninsula region to the City's water reclamation facility. A commitment to investing in regular system improvements is necessary for the City to provide reliable and efficient operation and maintenance of its wastewater collection system.

On October 6, 2020, the City Commission approved Resolution 2020-142, which authorized the execution of continuing contracts with 4 underground utility contractors. Danus has extensive experience with the City's lift stations, which allows them to provide well-suited, economical construction management services for this project.

Financial Impact

Funding for this $85,085 work authorization is included in the FY 2024-25 budget, within Fund 401 Water and Wastewater Operating Fund.

Citizen Impact

Scheduling priority based repairs for the utility infrastructure provides for reliable sanitary sewer treatment systems for the City's utility customers.

Attachments

1. 25-120 Lift Stn 6P Rehab-Danus (P25-0067G)
2. Work Authorization - LS 6P Danus CMAR

**RESOLUTION NO. 2025-120**

A RESOLUTION ACCEPTING A PROPOSAL FROM DANUS UTILITIES, INC. TO PROVIDE UNDERGROUND UTILITY CONSTRUCTION MANAGEMENT SERVICES REGARDING THE LIFT STATION 6P REHABILITATION PROJECT; AUTHORIZING THE EXECUTION OF A WORK AUTHORIZATION THERETO; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, the City solicited a proposal from Danus Utilities, Inc., a firm under continuing contract with the City, to provide underground utility construction management services regarding the lift station 6P rehabilitation project ("the Project") in accordance with the provisions of Section 2-300(c) of the *Code of Ordinances*, and

**WHEREAS,** the appropriate City staff have reviewed the proposal received and determined that the proposal submitted by Danus Utilities, Inc. to provide underground utility construction management services for the aforedescribed project at a cost not to exceed $85,085.00 is in the best overall interest of the City, and recommends that the said proposal (a copy being attached to the Work Authorization which is attached hereto and incorporated herein by reference) be accepted, and

**WHEREAS,** the City Commission concurs in the said determination and recommendation, and

**WHEREAS,** the City Manager has certified that the money for the payment of the Project has been deposited to the credit of the Water and Wastewater Operating Fund (401) and has not been appropriated for any other purpose, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The proposal submitted by Danus Utilities, Inc. to provide underground utility construction management services regarding the lift station 6P rehabilitation project at a cost not to exceed $85,085.00 is hereby accepted.

**SECTION TWO.** The Mayor and the City Manager are hereby authorized and directed to execute a Work Authorization between the City and Danus Utilities, Inc. to provide underground utility construction management services for the Project at the said price, and to pay the cost therefor from the Water and Wastewater Operating Fund.

**SECTION THREE.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

## WORK AUTHORIZATION

In accordance with and incorporating the terms of the Contract for Underground Utility Construction Management Services on a Continuing Basis dated October 6, 2020 between the City of Ormond Beach, Florida, and Danus Utilities, Inc., the following Scope of Work and Schedule of Payments are agreed to by the parties to the Agreement:

Project Title: Lift Station 6P Rehabilitation

Project Description: Construction services to provide all labor, equipment, and materials necessary to rehabilitate lift station 6P, as detailed in the attached proposal dated May 2025.

### Schedule of Payments and Fee Basis

| Required Work Task | Fee Basis | Fee |
|---|---|---|
| Lift Station 6P Rehabilitation | Guaranteed Maximum Price | $85,085.00 |
| **Total Fee Authorized:** | **Not to Exceed** | **$85,085.00** |

Funding Source: Water & Wastewater Operating Fund (401)

Estimated Time for Completion: 7 Months from Authorization to Proceed

AUTHORIZED:
CITY OF ORMOND BEACH

By: _____
Jason Leslie
Mayor

Date: _____

By: _____
Joyce A. Shanahan
City Manager

Date: _____

ACCEPTED:
DANUS UTILITIES, INC.

By: _____
Daniel J. Pardus
President

Date: _____

## I. COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract transfer, at no cost to the City, all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK**
**22 SOUTH BEACH STREET**
**ORMOND BEACH, FLORIDA 32174 (386) 676-3331**
**CITYCLERK@ORMONDBEACH.ORG**

Ref: Fla. Stat. §119.0701(2016)

## II. VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

1. Section 448.09, *Florida Statutes*, makes it unlawful for any person to knowingly employ, hire, recruit, or refer, either for herself or himself, or on behalf of another, for private or public employment within the state, an alien who is not duly authorized to work in the United States. Contractor warrants that it is registered with the U.S. Department of Homeland Security's E-Verify system, and is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.
2. Contractor agrees that if the contractor enters into an agreement with a subcontractor, the subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and contractor warrants it shall maintain any such affidavits for the duration of the contract. If the City has a good faith belief that a subcontractor knowingly violated Section 448.09 (1), the City shall promptly notify the contractor and order the contractor to immediately terminate the contract with the subcontractor.
3. In the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and as provided by statute, the contractor may not be awarded a public contract for at least one (1) year after the date of termination. The contractor may also be held liable for any additional costs incurred by the City as a result of the termination of the contract.

# Proposal #: 050125-1R

**Date: 6/18/2025**
**Submitted to: Thom**
**Company: City of Ormond**
**Email: mignardi@ormondbeach.org**

"WE DO IT RIGHT"
2320 Beardall Ave, Sanford, FL 32771 P.O. BOX 291671-32129 (386) 882-6200
State License #CUC 1224744

## Job Description: LS 6P Rehabilitation (City of Ormond)

**We are pleased to quote labor and materials to include:**

- **Provide** by-pass pumps & piping with 24 hour remote monitoring during rehab.
- **Provide** temp fittings for connection of by-pass system to the 12" MJ by-pass valve.
- **Provide** Vactor to clean wet well for floor inspection & base installation.
- **Furnish & Install** (2) SS base plates (under new city supplied 6" x 8" base elbows).
- **Furnish & Install** (2) 8" HDPE risers from base elbows to check valves.
- **Furnish & Install** (1) 6" suction pipe thru top slab & secured to the WW wall.
- **Furnish & Install** (2) 8" FLG checks & FLG gate valves in valve vault.
- **Furnish & Install** (1) 6" FLG gate valve, FLG 90 in valve vault.
- **Furnish & Install** 8" & 6" FLG fittings in valve vault.
- **Furnish & Install** (8) SS wet well pipe supports on 8" riser pipes.
- **Furnish & Install** (3) SS wet well pipe supports for 6" suction pipe.
- **Restoration** of site when complete.
- **Provide a Bond** for this project amount.

***TOTAL: $85,085.00***

NOTE: City to supply the following items: (2) 6" x 8" Base Elbows, (1) 6" Suction Pipe Camlock Connection, (1) 6" VB EPO Camlock Connection, (4) 2" SS guide rails (wet well is 21'-06" deep), (2) SS upper guide rail brackets.

**Terms Net 30 Days**
All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra cost will be executed only upon written orders and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. This proposal is subject to acceptance within 30 days and is void thereafter at the option of the undersigned.

**Authorized Signature:**

**Raymond Rogers**
**(386) 882-6200**
**raymond@danusutilities.com**

| Ormond Beach LS 6P Rehab | | | | | |
|---|---|---|---|---|---|
| **Item** | **Description** | **Material Cost** | **Hours** | **Labor Cost** | **Total** |
| 1 | By-pass pumps, piping & fittings with 24" remote m | $9,500.00 | 40.00 | $2,000.00 | $11,500.00 |
| 2 | Vactor struck & disposal fee | $0.00 | 40.00 | $3,500.00 | $3,500.00 |
| 3 | Demo & Hauling of removed pipe, valves & fittings | $0.00 | 40.00 | $2,500.00 | $2,500.00 |
| 4 | F&I 8" duplex pipe, valves & fittings | $14,700.00 | 40.00 | $30,285.00 | $44,985.00 |
| 5 | F&I 6" HDPE suction pipe in wet well top slab | $2,100.00 | 40.00 | $3,000.00 | $5,100.00 |
| 6 | F&I SS wet well pipe supports (11 total) | $5,000.00 | 40.00 | $3,000.00 | $8,000.00 |
| 7 | F&I (2) SS base plates (base elbows provided by cit | $1,500.00 | 40.00 | $3,000.00 | $4,500.00 |
| 8 | Restoration of site | $1,000.00 | 40.00 | $1,500.00 | $2,500.00 |
| 9 | Bond for project | $2,500.00 | 0.00 | $0.00 | $2,500.00 |
| | | | | **GRAND TOTAL** | **$85,085.00** |

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.S. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Ormond Beach Strategic Plan 2025 | | |
| **Recommended Action** | It is requested the City Commission approve the resolution formally adopting the 2025 Ormond Beach Strategic Plan Update. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | City Manager<br>Joyce Shanahan, City Manager | | |


Summary

This is a request for the City Commission to formally adopt the 2025 Ormond Beach Strategic Plan. The City began formally adopting a strategic plan in 2015, and has continued to regularly update its goals and priorities through City Commission workshops and progress reports. This process supports good governance and is vital in providing for the efficient use of staff and financial resources.

This year, the City of Ormond Beach engaged Strategic Government Resources (SGR) to assist the City Commission in updating its Strategic Plan. SGR facilitated a two-day goal-setting workshop on March 12 and March 13, with a follow-up workshop on May 6, 2025, to review and finalize the City Commission's goals and priorities for the remainder of this election term. As part of this process, the City Commission revised the City's vision statement, mission statement, and organizational values and reaffirmed the following strategic pillars established in the City's 2019 Strategic Plan:

- Transportation & Community Development
- Economic Development
- Governence
- Public Safety
- Quality of Life
- Water Quality and Environment

The 2025 Strategic Plan identifies the goals and priorities agreed upon for each strategic pillar and will be utilized to help guide the City's efforts and resources for the betterment of our community. Progress reports will be published regularly to measure intended outcomes and results.

Attached is the proposed City of Ormond Beach 2025 Strategic Plan and a summary report created by SGR detailing the strategic planning process and results.

Financial Impact

The adoption of the 2025 Strategic Plan has no current budgetary impact. However, each of the goals and priorities will be reviewed in conjunction with the operational and capital budgets and planned accordingly.

Citizen Impact

Strategic planning with clearly established goals and priorities helps to focus efforts and financial resources on issues and outcomes most important to the community.

Attachments

1. 25-121 Strategic Plan Adopt (P25-0092G)
2. 2025 Strategic Plan Brochure
3. Ormond Beach Strategic Planning Report 2025

**RESOLUTION NO. 2025-121**

A RESOLUTION OF THE CITY COMMISSION APPROVING AND ADOPTING THE CITY'S 2025 STRATEGIC PLAN; AND PROVIDING AN EFFECTIVE DATE.

**WHEREAS**, on March 12-13, 2025 and May 6, 2025 the City Commission held Strategic Planning Workshops to review and update the goals and priority objectives of its Strategic Plan; those updates are set forth in the 2025 Strategic Plan, a copy of which is attached hereto and incorporated herein by reference, and

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The City Commission hereby approves the 2025 Strategic Plan outlining priority objectives, and hereby adopts the same as the official Strategic Plan for the City of Ormond Beach.

**SECTION TWO.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

CITY OF ORMOND BEACH

# STRATEGIC PLAN 2025



## VISION STATEMENT

**RECOGNIZED AS ONE OF FLORIDA'S MOST ATTRACTIVE, SAFE, FISCALLY RESPONSIBLE, AND DESIRABLE COASTAL COMMUNITIES BY PROTECTING OUR RICH HISTORY, PRESERVING OUR DISTINCTIVE SMALL-TOWN CHARM, AND CULTIVATING NATURAL ENVIRONMENTS, RECREATIONAL SPACES, AND ECONOMIC OPPORTUNITIES.**

## MISSION STATEMENT

**DELIVERING EXCEPTIONALLY RESPONSIVE CITY SERVICES TO OUR RESIDENTS, BUSINESSES, AND VISITORS THAT FOSTERS A WELCOMING AND PROSPEROUS ENVIRONMENT AND CREATES THE HIGHEST QUALITY OF LIFE FOR CURRENT AND FUTURE GENERATIONS.**

## CITY COMMISSION

Mayor
Jason Leslie

Deputy Mayor & Zone 1 Commissioner
Lori Tolland

Zone 2 Commissioner
Travis Sargent

Zone 3 Commissioner
Kristin Deaton

Zone 4 Commissioner
Harold Briley

# ORGANIZATIONAL VALUES

**Integrity:** We hold ourselves accountable to the highest ethical standards in all aspects of work.

**Customer Service:** We deliver exceptional customer service through professional engagement and compassion for those we serve.

**Resilient:** We strive for preparedness in emergency planning, assessing future needs, and preserving natural resources by incorporating sustainability and resilience in the design and operation of our facilities, infrastructure, programs, services, and development standards.

**Transparency:** We are committed to building and maintaining trust in one another and with our community through continued public engagement through proactive and open communication.

**Responsive:** We prioritize delivering timely, thoughtful service that reflects the needs of those who live, work, and visit Ormond Beach.

**Innovative:** We continuously seek new ideas and better ways to serve our community by balancing fiscal responsibility with forward-thinking solutions that strengthen Ormond Beach for generations to come.

**Empowerment:** We foster a culture of trust and accountability where every employee is encouraged to lead, collaborate, and find smart, community-first solutions that deliver meaningful results.

# MAYOR'S MESSAGE

JASON LESLIE

*As a City Commission, our top priority is serving the residents of Ormond Beach with transparency, accountability, and respect. We are committed to making decisions that reflect the needs, values, and aspirations of our community. That starts with listening. Whether it's an email, a comment at a public meeting, a survey response, or a conversation at a neighborhood event, we take your input seriously.*

*Every voice matters and plays a role in shaping the future of our city. From public safety and infrastructure to parks, economic development, and responsible growth, your feedback helps guide the policies and projects we pursue. Our goal is to ensure Ormond Beach remains a place we are all proud to call home. A place where quality of life, natural beauty, and community spirit are protected and strengthened for generations to come.*



# 2025 STRATEGIC PILLARS

1. TRANSPORTATION & COMMUNITY DEVELOPMENT
2. ECONOMIC DEVELOPMENT
3. GOVERNANCE
4. PUBLIC SAFETY
5. QUALITY OF LIFE
6. WATER QUALITY & THE ENVIRONMENT



# TRANSPORTATION & COMMUNITY DEVELOPMENT

## GOAL STATEMENT

TO ENSURE THE CHARM AND RICH HISTORY OF OUR COMMUNITY IS WELL MAINTAINED THROUGH RESPONSIBLE DEVELOPMENT/REDEVELOPMENT THROUGH THE PROVISION OF INFRASTRUCTURE TO MEET CURRENT AND FUTURE NEEDS.

- **Engage with the Florida Department of Transportation (FDOT) to ensure Ormond Beach's input into the design and aesthetics of the new US-1 and I-95 Interchange as the entranceway to our community.**

- **Improve City gateway corridors entry features to convey a sense of arrival in Ormond Beach.**
  - **Underground utilities along US 1, North Beach Street, around US 1 & I-95 interchange.**

- **Pursue the development of multi-modal trail connectivity to historical, cultural, business, residential, recreational, and other points of interests both within Ormond Beach and with neighboring regional trails.**
  - **Trail connectivity to Penland Property conservation land.**
  - **Work with Volusia County to expand Beach Street Trail and connect A1A to Volusia County Trails through Ormond Beach.**
  - **Trail connectivity along the Halifax River to US 1 and to the I-95 interchange with connectivity to Ormond Scenic Loop and Trail.**

- **Explore cost effective measures with the Building and Community Development Departments that could result in improvements to Ormond Beach's current CRS 5 rating to attain benefits of reduced insurance costs for our residents and businesses.**




**Rendering Courtesy of Florida Department of Transportation.**

# ECONOMIC DEVELOPMENT

## GOAL STATEMENT

TO ENSURE THE ECONOMIC HEALTH AND VITALITY OF THE CITY OF ORMOND BEACH BY PROVIDING AN ENVIRONMENT ALLOWING BUSINESSES TO THRIVE THROUGH RETENTION, EXPANSION, AND ATTRACTION.

- **Actively consider Community Redevelopment Authority (CRA) projects in both the Granda and Ormond Crossings Districts to spur development, redevelopment, and associated investment.**

- **Promote and protect Ormond Beach's Historic Downtown to ensure its economic vitality.**

- **Actively promote the value of the Municipal Airport and pursue improvements that maximize its use and economic/business contributions to the City.**
  - **Pursue the upgrade or replacement of the existing Fixed Base Operator (FBO) Building to provide improved welcoming appearance and safety for patrons.**
  - **Consider the expansion of the Airport's runway to 4,500 – 5,000 feet to improve safety for existing and new patrons of the facility.**
  - **Investigate the need for additional hangars at the Airport.**

- **Encourage a diversified economic base, which provides for the City's longterm economic health and quality of life.**
  - **Continue to invest in attracting and retaining high-wage jobs.**
  - **Reuse or repurpose Riverbend property.**



# GOVERNANCE

## GOAL STATEMENT

TO BUILD AND MAINTAIN STRONG GOVERNANCE PRACTICES INTERNALLY AND EXTERNALLY THROUGH CONTINUED CIVIC ENGAGEMENT EFFORTS WITH RESIDENTS, EFFECTIVE MANAGEMENT AND OPERATIONAL POLICIES, AND STRATEGIC PARTNERSHIPS WITH OTHER GOVERNMENTS AND AGENCIES.

**Strive to achieve the public's trust through honest, transparent, respectful, and equitable behavior in conducting City business.**

- **Develop a Mayor & City Commission Norms & Procedures Policy.**

**Attract, develop, and support the best talent for Ormond Beach to be recognized as an Employer of Choice.**

**Provide convenient, modern, and technologically advanced municipal services to improve efficiencies and accessibility of services to both internal and external customers.**

**Provide citizen education and engagement opportunities to support the city's decision-making in policies, ordinances, and programs.**

- **Advocate for the goals and priorities of Ormond Beach and promote related regional action through active participation in intergovernmental relations and partner agencies.**
- **Continue Citizen's Academy.**
- **Complete the City website redesign and other technology upgrades.**
- **Continue Chamber partnership for Youth Leadership Program and Student Government Day to encourage future leaders.**



# PUBLIC SAFETY

**Provide efficient, effective staffing to ensure a high level of services and response times for Public Safety services.**

- **Evaluate compensation, benefits, and training programs that enhance recruitment, retention and succession planning in a competitive market.**
- **Maintain DARE program and other youth outreach programs.**
- **Mental wellness signage and resources on the website/first responder assistance.**
- **Encourage collaboration with drug/alcohol treatment providers and Narcan/Safety measures in response to affected populations.**

**Strive to maintain one of the lowest crime rates among comparable cities.**

**Consider options including dialogue with churches and social service providers, establishment of Task Force, ordinances, regulations, and other measures to mitigate the impact of homelessness in Ormond Beach.**

**Ensure the physical security of City assets and operations.**

- **Pursue the relocation of the Police Department, Emergency Operations Center (EOC), and the Public Works Facility from their current flood zone locations.**
- **Continue the conversion of city outdoor lighting fixtures to LED.**

**Consider enhancements to City's property maintenance Codes to achieve a higher adherence to community standards in support of beautifying Ormond Beach.**

**Explore measures with the Fire & Utilities Departments that could result in improvements to Ormond Beach's current ISO #3 rating to attain benefits of reduced insurance costs for our residents and businesses.**

## GOAL STATEMENT

TO PROVIDE A SAFE AND SECURE COMMUNITY WITH EFFECTIVE, EFFICIENT AND RESPONSIVE EMERGENCY SERVICES, STAFFING, AND INFRASTRUCTURE.



Ormond Beach police officers saluting during 2025 Police Week at Memorial Park.



Ormond Beach firefighters train for Mayday, emergencies where a firefighter is lost, trapped, or injured on scene.

# QUALITY OF LIFE

**Pursue the expansion of recreation fields in Ormond Beach and prioritize the projects in the City's current Park & Recreation Master Plan for funding and development.**

**Continue to be recognized as a leader in Parks & Recreation through the offering of diverse, high-quality parks and natural spaces.**

- **Desire to have U.S. National Anthem played at start of every game.**
- **Explore improved field lighting in sports fields and recreational facilities.**
  - **Priority locations: behind Nova Rec to Nova Road on north side & parking lot lighting of softball quad.**

**Consider the development of additional facilities for public programs and community gatherings/events.**

- **Determine the best redevelopment option for the former Church property located at 56 N. Beach St.**
- **Establish Founder's Day as a community flagship event.**
- **Plan for future needs of East and West Ormond Beach Community Centers/Venues.**

**Continue to improve the attraction and beautification of Ormond Beach by supporting the placement of public art, community gateway planting/landscaping, and lighting of bridge.**

- **Develop policies and collaborate with partner agencies to enhance the beautification of the US 1 Corridor.**
- **Continue to work with Volusia County and citizen groups to promote and enhance North Beach Street/Scenic Loop and Trail.**
- **Continue to pursue and promote new Public Art projects in Downtown/Main Street.**
- **Maintain downtown seasonal lights and add bridge uplighting.**
- **Verbally support the rehabilitation of Chief Tomokie statue.**

## GOAL STATEMENT

TO ENSURE ORMOND BEACH REMAINS THE CROWN JEWEL OF CENTRAL FLORIDA, BY PROVIDING FOR THE QUALITY, QUANTITY AND VARIETY OF PASSIVE AND ACTIVE RECREATION AREAS AND FACILITIES TO SERVE THE NEEDS OF OUR COMMUNITY.



# WATER QUALITY & THE ENVIRONMENT

## GOAL STATEMENT

TO ADVANCE THE CITY'S ENVIRONMENTAL STEWARDSHIP THROUGH PROJECTS AND OUTREACH PROMOTING WATER QUALITY, STORMWATER MANAGEMENT, AND RECYCLING.

- **Protect and enhance our environment and invest in infrastructure projects and assets that build resilience benefits to reduce flooding risk and increase sustainability.**
  - **Reduce the impacts of localized stormwater flooding through the prioritization of key projects in the Stormwater Master Plan and through pre-storm mitigations activities.**
- **Advocate for projects that can improve the overall quality of Ormond Beach's water bodies.**
  - **Expand reclaimed water system and reuse pond out West.**
  - **Continue effort of septic to sewer conversions in Magnolia, Oak, and Bonita targeted areas on the mainland.**
  - **Evaluate the possible benefits of a new Federal inlet north of Highbridge to improve the water quality of the Halifax River.**
- **Promote the value of the City's recycling program to reduce the impact of the waste stream sent to the landfill.**
- **Consider the establishment of a Protective Wildlife Corridor.**



# City of Ormond Beach, Florida







# Mayor & City Commission
# Strategic Planning Goal Setting Workshop
# & Goal Prioritization Process
# Summary Report
# July 2025

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## BACKGROUND:

The City of Ormond Beach engaged Strategic Government Resources (SGR) to facilitate the March 12 & 13, 2025 Governance & Goal Setting Workshop, and a subsequent May 6, 2025 Goal Prioritization Workshop to assist the newly seated Mayor & Commission in their governance practices and to update the City's current Strategic Plan.

The 2025 Strategic Planning process involved SGR meeting with the City's senior staff in advance to learn about the status of the City's previous strategic planning initiatives and to receive an update on the status of significant projects and initiatives currently underway in Ormond Beach. This work was followed-up by conducting virtual pre-workshop individual interviews with the Mayor and each Commissioner to secure feedback from them regarding how they were working as a governing body; their thoughts regarding the progress on significant initiatives/projects in the City's current Strategic Plan; undertake a SWOT assessment; solicit input on current and emerging organizational and community issues; solicit their thoughts on possible new initiatives and/or projects; and to gain insights on their individual desires regarding the current and future direction of the community and organization. The feedback received from these interviews served as the groundwork for the Initial Governance & Goal Setting Workshop.

The first afternoon/evening part of the workshop focused on the Mayor & Commissioners and the City Manager's Input-Output-Processing-Template Styles (IOPT), followed by a presentation of High-Performing Organizational Good Governance Principles. The full second day of the workshop focused on the Strategic Visioning and Planning process. The presentation highlighted the importance of organizational Mission, Vision, and Values, as well as the need for the City Commission and the City staff to work collaboratively in the response and development of strategies and programs to address emerging operational and community issues through an interdepartmental focus.

The Mayor & Commissioners were subsequently engaged in a highly interactive discussions to solicit their collective thoughts and perceptions on the City's current Vision, Mission, and Goals, what they mean to each of them, with the opportunity to revise/amend any statements. The final approved Vision, Mission, Organizational Values, Strategic Pillars & Priorities are intended to serve as the foundation for the City's new Strategic Plan.

The workshop also involved a series of high-level briefings by senior staff highlighting completed projects in the previous year, followed by proposed and emerging projects and initiatives for consideration. The Mayor & Commission reviewed the progress made to date on the City's current projects and initiatives, discussed the emerging issues and response strategies at a high level, and advanced various additional items they were interested in considering going forward.

Post-workshop, the Mayor & Commission expressed an interest in undertaking a ranking of the proposed Goals & Priorities for the new Strategic Plan to better provide consensus and direction on the most important initiatives that the Administration should be pursuing in the upcoming

years. The results of the Prioritization Process were reviewed and discussed at a second Workshop held on May 6, 2025.

This Report is intended to provide an overview of the material that was presented and discussed at both the March 12th & 13th and May 6th sessions.

# HIGH LEVEL FEEDBACK FROM ADVANCE CITY COMMISSION INTERVIEWS

## What are the Strategic Questions that need to be addressed at the upcoming Strategic Visioning Session?

- *Pleased with City Administration & City Attorney*
- *Development Growth – Residentially built out but pressures to the south, north, and west. We have water and sewer agreements with surrounding communities to help address growth. Strong impacts from Daytona Beach re: growth*
- *We are seeing growth in homelessness and panhandling*
- *Need to acquire land to build new EOC and Reclaimed Water Ponds*
- *Impact of proposed Fuel Farm along City's northern border in Unincorporated Volusia County. Formerly Heavy Industrial and now zoned Light Industrial, but not for same project*
- Airport:
    - *Former City-owned Golf Course (Riverbend) near Airport. Possible Airport expansion, flight schools, hangars, and passive parkland (X2)*
    - *Airport is great asset, but underutilized. The Airport has local value to the economy but is not universally understood and/or liked. Need for better education about its economic impact on City. Need for Airport expansion/support as part of discussions*
    - *New gates, new FBO & Building needed, extend runway. Supports current plan including refurbished City-owned Golf Course but may require some additional land purchases to complete.*
- Beautification:
    - *Undergrounding utilities along US 1 and North Beach Street and around US 1 & I-75 interchange (Also include multi-modal pathway to Ormond Crossing) – New Gateways to City, although required ROW's not all owned by the City*
    - *North Beach Street – Scenic loop highway/Gateway Park (Needs a different name) Needs kiosk and Historical Society wants to partner with City*
    - *Complete Cassen Park redevelopment with unlighted Bridge and connect four parks on each corner of bridge*
- Stormwater & Flooding:
    - *Starting to experience localized flooding following storms that has not historically occurred (X2)*
    - *Canal cleaning, purchasing property for retention basins*
    - *We dedicated some millage to support recreation field and maintenance projects*
    - *Former Golf Course (Tomoka Oaks) within a subdivision (closed 10 years) & lawsuit with developer (RRD zoned) – now expired*
- Outdoor Trails:
    - *Penland Property (off Airport Road) St. Johns WMD & Volusia Forever new conservation land currently used as public mountain bike area*

    - *Multi-modal trail up the river, over the RR to US 1 and out to I-95 interchange. Plantation Oaks connectivity out to Scenic Loop*
    - *Work with Volusia County to connect parts of Ormond Beach – A1A and 2 other smaller parcels connection to Volusia County Trails through Ormond Beach*
- *Pace School Project ($200k in budget for Pace) using old building in Central/South Ormond Beach to help underserved community. (Across the street PAL Building – Maybe repurpose current building on Pace property) and will likely require some additional private funding sources)*
- *Purchase of property for Community Center (56 North Beach/ Church Property) – torn down and now a parking lot in a holding pattern. Possible parking garage with adjacent building*
- *Economic development opportunities to bring more jobs to Ormond Beach*
- *Police/Fire Retirement – We have the lowest multiplier in the area which affects recruitment and retention efforts*
- *Established Citizen's Academy*
- *Updated technology*

## What do you want to accomplish and/or leave as your legacy following your tenure on the City Commission?

- *That we left Ormond Beach better than we found it – Great transparency and how we do things*
- *Improvements to recreational facilities and addressed deferred maintenance with dedicated revenue*
- *Maintenance of drainage ditches to assist during hurricanes and significant storms*
- *I helped make a difference and fought for what is right and good for Ormond Beach and its constituents*
- *Perfect person to be on Commission at the right time in our community's history – Moved things off the table*
- *Leave Ormond Beach better than we found it, with improvements in technology, stormwater, Airport, etc.*
- *Change development codes to support planning of native plants/Florida Friendly species*
- *Supported community beautification efforts, undergrounding of utilities, low impact development, and multi-modal trail development*

## What do you want to change about Ormond Beach?

- *Nothing comes to mind, but perhaps reducing traffic with improved East-West corridors and bridges to beaches*
- *Help insurance rates go down*
- *That people could choose to stay in Ormond Beach – multi-generational and a good place to live without pricing people out of the area*
- *Proactive vs. passive enforcement Code Enforcement*
- *Stem the growth in homelessness and its impacts on the community*
- *Nothing requires changing, but some concerns with non-local purchasing of properties that are pushing our housing/land prices up to build mega-homes/pricing*
- *Reduce impacts of traffic and congestion*

## What do you want to keep about the way it is in Ormond Beach?

- *Maintain the City's character – Quaintness & Small-Town Feel*
- *Preserve historic resources in community*
- *Affordable City Budget – Preserve and improve our Quality of Life*
- *Don't let surrounding communities & issues negatively impact Ormond Beach*

- *Our support for small businesses and Main Street events (Would like more of that)*
- *We live in paradise – Small town feel, beach*
- *Keep greenspaces/open spaces, trail connectivity, and outdoor lifestyle*

## What does the City of Ormond Beach do Exceptionally Well?

- *Staff and Administration are great – Good Management & Leadership*
- *Law enforcement and its outreach to youth, homelessness, Parks & Recreation, Streets and ROWs are attractive*
- *Parks & Recreation, Events, Police & Fire*
- *Great Parks & Recreation facilities and programming*
- *City supports its residents and great interdepartmental cooperation in serving our community*

## What does the City of Ormond Beach Struggle with?

- *Growing Pains – Keeping up with staffing levels associated with growth*
- *Sandbag Program – Prefilled sandbags-People are OK with filling themselves vs. drop offs (Handicapped assistance)*
- *Public education on how our government/services work*
- *Improved education regarding bicycle safety and riding rules*
- *Police Recruitment & Retention – Need to review compensation, benefits, retirement, etc.*
- *Managing traffic and growth outside of Ormond Beach that impacts our City*
- *It sometimes just takes too much time to get things done!*

## What Successes Come to Mind?

- *Technology upgrades to City Commission Chambers (X3)*
- *City Hall Telephone system upgraded*
- *Cassen Park improvements (X3)*
- *Future I-95 & US 1 Interchange improvements (2026/2027)*
- *Progress on EOC, Community Center, and resolution of Fuel Farm issue*
- *Part of Flemming Avenue by Central Park – New Stormwater drainage system to alleviate flooding*
- *Fuel Farm Issue resolution*
- *Stood up to developers on Golf Corse (Tomoka Oaks) redevelopment*
- *Removed fluoride from water system*
- *Dedicated millage for Leisure Services projects and operations*
- *Native Plant legislation, uplighting of bridge*

## Any Stalled Projects/Initiatives?

- *Fuel Farm issue took months to get resolved*
- *Ormond Crossings Development Project*
- *Decision on future use of former City-owned Golf Course*
- *None come to mind*
- *Relocated Police Department & EOC (Funding request to State got turned down)*
- *Septic to sewer conversions on Beach side of town – Need to prioritize targeted area and proceed (Magnolia, Oak, and Bonita)*

# SWOT Analysis:

## Comments Received From City Commission Advance Interviews

The following information regarding the City's leading Strengths, Weaknesses, Opportunities, and Threats secured from the Advance City Commission Interview Sessions. Respondents were asked to specifically identify anything that was fundamentally different from historical Strengths, Weaknesses, Opportunities and Threats over the last 12 months.

### Strengths:

- *Successfully addressed lots of controversial issues over the last several years with City Commission generally unified on responses*
- *Trust in Ormond Beach City Commission – 3 elected without opposition and 2 open seats due to transition of incumbents*
- *Work well with community groups and partners*
- *Good working relationships with surrounding jurisdictions*
- *LDC's were well written and followed that attract development and people to Ormond Beach*
- *Improving Arts & Culture – Murals, sculptures public art*
- *Growth & Development without need for tax increases*
- *Good at "Building Community" – We can come together for goals*
- *Support of our local businesses*
- *Avalon Park Development (10K homes outside of City – wholesale potable water and sanitary sewer to Daytona Beach) but Ormond Beach will see impacts of traffic, and Ormond Crossings (3,250 homes)*
- *Great and engaged residents and supportive of City Commission*

### Weaknesses:

- *Prior to development of Citizen's Academy, lack of understanding of City operations and procedures*
- *Lack of modern EOC, with current Police Department & EOC located in flood zone*
- *Traffic - East-West corridors are challenged and with impacts from surrounding communities/areas*
- *Public perception of household incomes – inflation, insurance, etc. and resulting impacts on spending power for local businesses*
- *Social media complaints and "Word Vomit"*
- *Flooding – But City does not experience much*
- *Requests for building moratoriums by watchdog groups*
- *Increased major storm activity with resulting flooding impacts*
- *New Mayor and City Commission*
- *New City Commission is generally aligned, but needs some education on roles and responsibilities of elected officials vs. Administration*

### Opportunities:

- *Redevelopment of former City-owned Golf Course to assist Airport and diversify economy with possible light industrial*
- *Water taxi service – both within Ormond Beach and to Daytona Beach during festivals, etc.*
- *Beach parking fees for non-residents*

- *Floating dock on river, possible overnight transient boat parking to support restaurants and local businesses*
- *Cassen Park Renovations*
- *We could be more transparent to alleviate concerns – Educate people on how our processes work*
- *Airport development*
- *Need to leverage our connections with elected officials in WDC and Tallahassee given key appointments/leadership positions*

### THREATS:

- *Fuel Farm Project*
- *Development & traffic*
- *Fuel Terminal Project in unincorporated County*
- *Perception by some that the glass is half empty vs. half full*

## ORMOND BEACH'S VISION STATEMENT

The City of Ormond Beach has not historically used a Vision Statement which typically provides the organization's purpose and objectives in the present, i.e., *the why*. The Vision Statement describes where the organization hopes it will be going in the future if they can fulfill their Mission. There was interest expressed both during the Advance Interviews and at the Strategic Visioning Retreat about establishing a more formalized Vision Statement versus just the use of the current City Tag Line *"The Ormond Beach Way."*

The following themes were suggested by the Commission as possible components in a new City Vision Statement:

- *Clean, safe city; first class services; recreational assets; and opportunities for all ages, opportunity for high-paying jobs for future generations to stay in Ormond Beach*
- *Pushing ahead/forward; prospering; smart and balanced growth; innovation*
- *Community legacy; multi-generational residents; footprints for future generations*
- *Quaint; friendly; small town; beautiful*
- *Economic Development*
- *Quality of Life*
- *Coastline/Sustainability*
- *Diversity*

As a result of the discussion and feedback, the following new Vision Statement was proposed:

*"Recognized as one of Florida's most attractive, safe, fiscally responsive, and desirable coastal communities by protecting our rich history, preserving our distinctive small-town charm, and cultivating natural environments, recreational spaces, and economic opportunities."*

## ORMOND BEACH'S MISSION STATEMENT

A Mission Statement should provide the organization's purpose and objectives in the present, i.e., *the what and how*. The Mission Statement describes what you do, who you do it for and the benefit that it provides and should be consistent over the life of the Strategic Plan.

The following represent the City's current Mission Statement:

*"To ensure Ormond Beach is one of the most attractive, stimulating and innovative communities in Florida, while protecting our rich history and maintaining our unique charm. Boasting an environment where our children can thrive, with a prosperously diverse and balanced economy, within a fiscally strong community. All the while, delivering exceptionally responsive service to our citizens and cultivating the highest quality of life."*

The following themes were discussed and/or suggested regarding possible changes to the City's Mission Statement:

- *OK – but could combine some parts into a Vision Statement*
- *A little long, but good stuff*
- *Ormond Beach is not very diverse.*
- *Fiscally responsible, attractive, unique charm, quality, and responsive services (customer service)*
- *OK as is*
- *Mission Statement sounds a bit redundant and too long/wordy – but gets the points correct.*
- *Fiscally responsive should be included in the Vision Statement*

As a result of the discussion and feedback, the following new Mission Statement was proposed:

*"Delivering exceptionally responsive city services to our residents, businesses, and visitors that fosters a welcoming and prosperous environment and creates the highest quality of life for current and future generations."*

## ORMOND BEACH'S ORGANIZATIONAL VALUES

Organizational Values are typically utilized by the City Commission, staff, and its advisors in its interactions with residents, customers, visitors, and other stakeholders in the carrying out of its services and programs. Organizational Values should be revisited from time to time but rarely change significantly once they are adopted to ensure the culture of the organization becomes ingrained in all its employees and their actions.

The City Commission felt that it should develop and adopt City Organizational Values, with the following themes reflected in both the Advance Interviews and during the Retreat:

- *Integrity, Empowerment, honesty, transparency*
- *Preserve our history, Outstanding Parks & Recreation (Athletics & Youth Sports), Friendly, Quality of Life services, Safety - look out for one another, Environmental Focus*
- *Customer Service, Transparent, fiscally responsible*
- *Technology, Transparency*
- *Respect, Responsiveness, Advocacy for Constituents, Resiliency*

Based on the feedback and discussion, SGR proposed that the following Organizational Values and accompanying Statements be considered by the Commission for adoption:

- **Integrity:** *We hold ourselves accountable to the highest ethical standards in all aspects of work.*

- **Customer Service:** *We deliver exceptional customer service through professional engagement and compassion for those we serve.*

- **Resilient:** *We strive for preparedness in emergency planning, assessing future needs, and preserving natural resources by incorporating sustainability and resilience in the design and operation of our facilities, infrastructure, programs, services, and development standards.*

- ***Transparency:*** *We are committed to building and maintaining trust in one another and with our community through continued public engagement and open communication.*

- ***Responsive:*** *We prioritize delivering timely, thoughtful service that reflects the needs of those who live, work, and visit Ormond Beach.*

- ***Innovative:*** *We continuously seek new ideas and better ways to serve our community by balancing fiscal responsibility with forward-thinking solutions that strengthen Ormond Beach for generations to come.*

- **Empowerment:** *We foster a culture of trust and accountability where every employee is encouraged to lead, collaborate, and find smart, community-first solutions that deliver meaningful results.*

# Strategic Plan Pillars & Statements, and Current/Proposed Goals & Priorities

The City used various Pillars in its current Strategic Plan with accompanying statements and Priorities which were reviewed as part of the new Strategic Visioning & Plan Project. The following section will review the current Pillars, Statements, and Priorities and outline the revised Pillars, Statements, Goals, and Priorities that were developed in the 2025 Strategic Visioning & Plan Project.

## Current Transportation & Community Development Pillar:

**Current Statement:** *"To ensure the charm and rich history of our community is well-maintained through orderly development and redevelopment utilizing existing infra-structure, including utility service areas outside the City's municipal boundaries."*

**Current Key Priorities:**

- Determine the best redevelopment option for church property and enhance temporary use and signage
- Update airport operations, including noise abatement
- Encourage ER/medical presence on the beachside
- Encourage ER/medical presence on the beachside
- US-1 and I-95 Interchange construction
- Look at Vision Zero FDOT pledge (ped/car safety)

## Proposed Transportation & Community Development Current Pillar:

The Commission affirmed the current Transportation & Community Development Pillar Statement.

**Proposed Key Goals & Priorities:**

- ***T&CD 1:*** *Pursue the development of multi-modal trail connectivity to historical, cultural, business, residential, recreational, and other points of interests both within Ormond Beach and with neighboring regional trails.*

    - **T&CD 1.1:** Trail connectivity to Penland Property conservation land.

    - **T&CD 1.2:** Trail connectivity along the Halifax River to US 1 and to the I-95 interchange with connectivity to Ormond Scenic Loop and Trail.

    - **T&CD 1.3:** Work with Volusia County to expand Beach Street Trail and connect A1A to Volusia County Trails through Ormond Beach.

    - **T&CD 1.4:** Multi-modal pathway to Ormond Crossing development.

- ***T&CD 2:*** *Improve City gateway corridors entry features to convey a sense of arrival in Ormond Beach.*

    - **T&CD 2.1:** Underground utilities along US 1, North Beach Street, around US 1 & I-95 interchange.

- ***T&CD 3:*** *Improve East-West connectivity of the City's transportation systems.*

    - **T&CD 3.1:** Explore construction of new bridge spanning the Halifax River.

- ***T&CD 4:*** *Engage with the Florida Department of Transportation (FDOT) to ensure Ormond Beach's input into the design and aesthetics of the new US-1 and I-95 Interchange as the entranceway to our community.*

- ***T&CD 5:*** *Explore cost effective measures with the Building and Community Development Departments that could result in improvements to Ormond Beach's current CRS 5 rating to attain benefits of reduced insurance costs for our residents and businesses.*

## CURRENT ECONOMIC DEVELOPMENT PILLAR:

**Current Statement:** *"To ensure the economic health and vitality of the City of Ormond Beach by providing an environment allowing businesses to thrive through retention, expansion, and attraction."*

**Current Priorities:**

- Reuse or repurpose Riverbend property
- Continue attracting and retaining high-wage jobs and the development of Ormond Crossings

## PROPOSED ECONOMIC DEVELOPMENT PILLAR:

The Commission affirmed the current Economic Development Pillar Statement.

**Proposed Goals *(italicized)* & Priorities (Sub-Bullets):**

- ***ED 1:*** *Encourage a diversified economic base, which provides for the City's long-term economic health and quality of life.*
    - **ED 1.1:** Reuse or repurpose Riverbend property.
    - **ED 1.2:** Continue to invest in attracting and retaining high-wage jobs.
    - **ED 1.3:** Continue the development of Ormond Crossings**.**
- ***ED 2:*** *Promote and protect Ormond Beach's Historic Downtown to ensure its economic vitality.*
- ***ED 3:*** *Actively promote the value of the Municipal Airport and pursue improvements that maximize its use and economic/business contributions to the City.*
    - **ED 3.1:** Pursue the upgrade or replacement of the existing Fixed Base Operator (FBO) Building to provide improved welcoming appearance and safety for patrons.
    - **ED 3.2:** Consider the expansion of the Airport's runway to 4,500 – 5,000 feet to accommodate more corporate use.
    - **ED 3.3:** Investigate the need for additional hangars at the Airport.
    - ***ED 4:*** *Actively consider Community Redevelopment Authority (CRA) projects in both the Granda and Ormond Crossings Districts to spur development/redevelopment and associated investment.*

## CURRENT GOVERNANCE PILLAR:

**Current Statement:** *"To build and maintain strong governance practices internally and externally through continued civic engagement efforts with residents, effective management and operational policies, and strategic partnerships with other governments and agencies to support the city's directions."*

**Current Priorities:**

- Upgrade City Commission chambers technology (online listening for meetings, microphones, monitors, podium, electronic voting/commission request to speak)
- Electronic information sign for upcoming events
- Website redesign
- Develop a Citizen's Academy

## PROPOSED GOVERNANCE PILLAR:

The Commission affirmed the current Governance Pillar Statement.

**Proposed Goals *(italicized)* & Priorities (Sub-Bullets):**

- ***GOV 1:*** *Strive to achieve the public's trust through honest, transparent, respectful, and equitable behavior in conducting City business.*

- **GOV 1.1:** Develop a Mayor & City Commission Norms & Procedures Policy

- ***GOV 2:*** *Provide citizen education and engagement processes to assist in the community's decision-making in policies, ordinances, and programs.*
  - **GOV 2.1:** Continue Chamber partnership for Youth Leadership Program and Student Government Day to encourage future leaders in Ormond Beach.
  - **GOV 2.2:** Continue Citizen's Academy.

- ***GOV 3:*** *Attract, develop, and support the best talent for Ormond Beach to be recognized as an Employer of Choice.*

- ***GOV 4:*** *Provide convenient, modern, and technologically advanced municipal services to improve efficiencies and accessibility of services to both internal and external customers.*
  - ***GOV 4.1:*** Purchase an electronic information sign to promote upcoming events.
  - ***GOV 4.2:*** Complete the City website redesign and other technology upgrades.

- ***GOV 5:*** *Advocate Ormond Beach's Goals and Priorities and promote related regional action through active participation in intergovernmental relations and partner agencies.*

## CURRENT PUBLIC SAFETY PILLAR:

**Current Statement:** *"To provide a safe and secure city that maintains a sense of security and responsiveness for all residents by protecting and serving our community through the provision of effective, efficient and responsive emergency services."*

**Current Priorities:**

- New Police Department and EOC West of town
- Convert city parking lots to LED
- Review and look at the DARE program and other programs
- Develop an aggressive dog ordinance

## PROPOSED PUBLIC SAFETY PILLAR:

**Proposed Statement:** *"To provide a safe and secure community with effective, efficient and responsive emergency services, staffing, and infrastructure."*

**Proposed Goals *(italicized)* & Priorities (Sub-Bullets):**

- ***PS 1:*** *Provide efficient, effective staffing to ensure a high level of services and response times for Public Safety services.*
  - **PS 1.1:** Evaluate compensation, benefits, and training programs that enhance recruitment, retention, and succession planning in a competitive market.
  - **PS 1.2:** Encourage collaboration with drug/alcohol treatment providers and Narcan/Safety measures in response to affected populations.

- **PS 1.3:** Mental wellness signage and resources on the website/first responder assistance.
- **PS 1.4:** Maintain DARE program and other youth outreach programs.

- ***PS 2:*** *Strive to maintain one of the lowest crime rates among comparable cities.*
- ***PS 3:*** *Ensure the physical security of City assets and operations.*
  - **PS 3.1:** Pursue the relocation of the Police Department, Emergency Operations Center (EOC), and the Public Works Facility from their current flood zone locations.
  - **PS 3.2:** Convert city parking lots to LED.
- ***PS 4:*** *Explore measures with the Fire & Utilities Departments that could result in improvements to Ormond Beach's current ISO #3 rating to attain benefits of reduced insurance costs for our residents and businesses.*
- ***PS 5:*** *Consider enhancements to City's property maintenance Codes to achieve a higher adherence to community standards in support of beautifying Ormond Beach.*
- ***PS 6:*** *Consider options including dialogue with churches and social service providers, establishment of Task Force, ordinances, regulations, and other measures to mitigate the impact of homelessness in Ormond Beach.*

## CURRENT QUALITY OF LIFE PILLAR:

**Current Statement:** *"To ensure Ormond Beach remains the crown jewel of central Florida, by providing for the quality, quantity and variety of passive and active recreation areas and facilities to serve the needs of our community."*

**Current Priorities:**

- Historical museum (centralized in one building) and provide a 50-year lease
- Complete Doug Thomas Way
- Maintain lights downtown and add bridge uplighting
- Rehab Chief Tomokie statue
- Mental wellness signage and resources on the website/first responder assistance

## PROPOSED QUALITY OF LIFE PILLAR:

The Commission affirmed the current Quality of Life Pillar Statement.

**Proposed Goals *(italicized)* & Priorities (Sub-Bullets):**

- ***QoL 1:*** *Recognized as a leader in Parks & Recreation through the offering of diverse, high-quality parks and natural spaces.*
  - **QoL 1.1:** Explore improved field lighting in sports fields and recreational facilities.

        - Specific need behind Nova Rec to Nova Road on north side & Parking lot lighting of Softball Quad.

    - **QoL 1.2:** Desire to have U.S. National Anthem played at start of every game.

- ***QoL 2:*** *Improve the attraction and beautification of Ormond Beach by supporting the placement of public art, community gateway planting/landscaping, and lighting of bridge.*

    - **QoL 2.1:** Develop policies and collaborate with partner agencies to enhance the beautification of the US 1 Corridor.

    - **QoL 2.2:** Continue to work with Volusia County and citizen groups to promote and enhance North Beach Street/Scenic Loop and Trail.

    - **QoL 2.3:** Continue to pursue and promote new Public Art projects in Downtown/Main Street.

    - **QoL 2.4:** Maintain downtown lights and add bridge uplighting.

    - **QoL 2.5:** Support the rehabilitation of Chief Tomokie statue.

- ***QoL 3:*** *Consider the development of additional facilities for public programs and community gatherings/events.*

    - **QoL 3.1:** Determine the best redevelopment option for the former Church property located at 56 N. Beach St.

    - **QoL 3.1:** Plan for future needs of East and West Ormond Beach Community Centers/Venues.

    - **QoL 3.2:** Consider options to return community programs in Downtown Ormond Beach.

    - **QoL 3.3:** Establish Founder's Day as a community flagship event.

- ***QoL 4:*** *Pursue the expansion of recreation fields in Ormond Beach and prioritize the projects in the City's current Park & Recreation Master Plan for funding and development.*

## CURRENT WATER QUALITY & THE ENVIRONMENT PILLAR:

**Current Statement:** *"To maintain the City's environmental stewardship by reducing negative impacts of pollutants to waterbodies, such as the Halifax and Tomoka Rivers and their tributaries that decrease the quality of life of Ormond Beach residents."*

**Current Priorities:**

- Expand reclaimed water system and reuse pond out West
- Continue septic to sewer conversion starting within the city limits to decrease effluent to the Halifax River

- Enhance commitment to reducing the use of plastic straws / bags / Styrofoam

### PROPOSED WATER QUALITY & THE ENVIRONMENT PILLAR:

**Proposed Statement:** *"To advance the City's environmental stewardship through projects and outreach promoting water quality, stormwater management, and recycling."*

**Proposed Goals *(italicized)* & Priorities (Sub-Bullets):**

- ***WQ&E 1:*** *Protect and enhance our environment and invest in infrastructure projects and assets that build resilience benefits to reduce flooding risk and increase sustainability.*
    - **WQ&E 1.1:** Reduce the impacts of localized stormwater flooding through the prioritization of key projects in the Stormwater Master Plan and through pre-storm mitigations activities.
- ***WQ&E 2:*** *Advocate for projects that can improve the overall quality of Ormond Beach's water bodies.*
    - **WQ&E 2.1:** Expand reclaimed water system and reuse pond out West.
    - **WQ&E 2.2:** Continue effort of septic to sewer conversions in Magnolia, Oak, and Bonita targeted areas on the mainland.
    - **WQ&E 2.3:** Evaluate the possible benefits of a new Federal inlet north of Highbridge to improve the water quality of the Halifax River.
- ***WQ&E 3:*** *Promote the value of the City's recycling program to reduce the impact of the waste stream sent to the landfill.*
    - **WQ&E 3.1:** Enhance commitment to reducing the use of plastic straws/bags/styrofoam.
- ***WQ&E 4:*** *Consider the establishment of a Protective Wildlife Corridor.*

## Review of Strategic Plan & Prioritization Process

Following the March 12th & 13th Retreat, SGR & Staff finalized the Draft Strategic Vision Report and developed a Prioritization Survey for the Mayor & City Commission to provide Staff with a better sense of the Governing Body's Priorities. The Prioritization Survey involved proposed Goals & Priorities/Projects that were discussed at the March 12th & 13th Retreat to provide Staff with further direction on how to best prioritize the tracking of the Mayor & City Commission's Priorities.

The Mayor & Commission met again at a Workshop on May 5, 2025, to review the proposed wording of revised Vision, Mission, and Organizational Values, followed by the review and discussion of the results of the Mayor & City Commission 's Prioritization Survey of proposed Goals & Priorities. The following represents the final outcomes from the Prioritization Survey results with Goals & Priorities ranked from highest to lowest under each Pillar, coupled with other final changes that were advanced by the Mayor & City Commission at the Workshop which collectively represent the City's new Strategic Plan.

## Vision Statement

***"RECOGNIZED AS ONE OF FLORIDA'S MOST ATTRACTIVE, SAFE, FISCALLY RESPONSIBLE, AND DESIRABLE COASTAL COMMUNITIES BY PROTECTING OUR RICH HISTORY, PRESERVING OUR DISTINCTIVE SMALL-TOWN CHARM, AND CULTIVATING NATURAL ENVIRONMENTS, RECREATIONAL SPACES, AND ECONOMIC OPPORTUNITIES."***

## Mission Statement

***"DELIVERING EXCEPTIONALLY RESPONSIVE CITY SERVICES TO OUR RESIDENTS, BUSINESSES, AND VISITORS THAT FOSTERS A WELCOMING AND PROSPEROUS ENVIRONMENT AND CREATES THE HIGHEST QUALITY OF LIFE FOR CURRENT AND FUTURE GENERATIONS."***

## Organizational Values

- **Integrity:** *We hold ourselves accountable to the highest ethical standards in all aspects of work.*
- **Customer Service:** *We deliver exceptional customer service through professional engagement and compassion for those we serve.*
- **Resilient:** *We strive for preparedness in emergency planning, assessing future needs, and preserving natural resources by incorporating sustainability and resilience in the design and operation of our facilities, infrastructure, programs, services, and development standards.*
- ***Transparency:*** *We are committed to building and maintaining trust in one another and with our community through continued public engagement and open communication.*
- ***Responsive:*** *We prioritize delivering timely, thoughtful service that reflects the needs of those who live, work, and visit Ormond Beach.*
- ***Innovative:*** *We continuously seek new ideas and better ways to serve our community by balancing fiscal responsibility with forward-thinking solutions that strengthen Ormond Beach for generations to come.*
- **Empowerment:** *We foster a culture of trust and accountability where every employee is encouraged to lead, collaborate, and find smart, community-first solutions that deliver meaningful results.*

## Transportation & Community Development Pillar

**"TO ENSURE THE CHARM AND RICH HISTORY OF OUR COMMUNITY IS WELL-MAINTAINED THROUGH RESPONSIBLE DEVELOPMENT/REDEVELOPMENT THROUGH THE PROVISION OF INFRASTRUCTURE TO MEET CURRENT AND FUTURE NEEDS."**

## Goals *(italicized)* & Priorities (Sub-Bullets):

- ***T&CD 1:*** *Engage with the Florida Department of Transportation (FDOT) to ensure Ormond Beach's input into the design and aesthetics of the new US-1 and I-95 Interchange as the entranceway to our community.*

- ***T&CD 2:*** *Improve City gateway corridors entry features to convey a sense of arrival in Ormond Beach.*

    - **T&CD 2.1:** Underground utilities along US 1, North Beach Street, around US 1 & I-95 interchange.

- ***T&CD 3:*** *Pursue the development of multi-modal trail connectivity to historical, cultural, business, residential, recreational, and other points of interests both within Ormond Beach and with neighboring regional trails.*

    - **T&CD 3.1:** Trail connectivity to Penland Property conservation land.

    - **T&CD 3.2:** Work with Volusia County to expand Beach Street Trail and connect A1A to Volusia County Trails through Ormond Beach.

    - **T&CD 3.3:** Trail connectivity along the Halifax River to US 1 and to the I-95 interchange with connectivity to Ormond Scenic Loop and Trail.

- ***T&CD 4:*** *Explore cost effective measures with the Building and Community Development Departments that could result in improvements to Ormond Beach's current CRS 5 rating to attain benefits of reduced insurance costs for our residents and businesses.*

# Economic Development Pillar

**"TO ENSURE THE ECONOMIC HEALTH AND VITALITY OF THE CITY OF ORMOND BEACH BY PROVIDING AN ENVIRONMENT ALLOWING BUSINESSES TO THRIVE THROUGH RETENTION, EXPANSION, AND ATTRACTION."**

## Goals (italicized) & Priorities (Sub-Bullets):

- ***ED 1:*** *Actively consider Community Redevelopment Authority (CRA) projects in both the Granda and Ormond Crossings Districts to spur development/redevelopment and associated investment.*

- ***ED 2:*** *Promote and protect Ormond Beach's Historic Downtown to ensure its economic vitality.*

- ***ED 3:*** *Actively promote the value of the Municipal Airport and pursue improvements that maximize its use and economic/business contributions to the City.*

    - **ED 3.1:** Pursue the upgrade or replacement of the existing Fixed Base Operator (FBO) Building to provide improved welcoming appearance and safety for patrons.

    - **ED 3.2:** Consider the expansion of the Airport's runway to 4,500 – 5,000 feet to improve safety for existing and new patrons of the facility.

- **ED 3.3:** Investigate the need for additional hangars at the Airport.

- ***ED 4:*** *Encourage a diversified economic base, which provides for the City's long-term economic health and quality of life.*

  - **ED 4.1:** Continue to invest in attracting and retaining high-wage jobs

  - **ED 4.2:** Reuse or repurpose Riverbend property.

## Governance Pillar

**"TO BUILD AND MAINTAIN STRONG GOVERNANCE PRACTICES INTERNALLY AND EXTERNALLY THROUGH CONTINUED CIVIC ENGAGEMENT EFFORTS WITH RESIDENTS, EFFECTIVE MANAGEMENT AND OPERATIONAL POLICIES, AND STRATEGIC PARTNERSHIPS WITH OTHER GOVERNMENTS AND AGENCIES TO SUPPORT THE CITY'S DIRECTIONS."**

### Goals (italicized) & Priorities (Sub-Bullets):

- ***GOV 1:*** *Strive to achieve the public's trust through honest, transparent, respectful, and equitable behavior in conducting City business.*

  - **GOV 1.1:** Develop a Mayor & City Commission Norms & Procedures Policy

- ***GOV 2:*** *Attract, develop, and support the best talent for Ormond Beach to be recognized as an Employer of Choice.*

- ***GOV 3:*** *Provide convenient, modern, and technologically advanced municipal services to improve efficiencies and accessibility of services to both internal and external customers.*

- ***GOV 4:*** *Advocate Ormond Beach's Goals and Priorities and promote related regional action through active participation in intergovernmental relations and partner agencies.*

- ***GOV 5:*** *Provide citizen education and engagement processes to assist in the community's decision-making in policies, ordinances, and programs.*

  - **GOV 5.1:** Continue Citizen's Academy.

  - ***GOV 5.2:*** Complete the City website redesign and other technology upgrades.

  - **GOV 5.3:** Continue Chamber partnership for Youth Leadership Program and Student Government Day to encourage future leaders in Ormond Beach.

## Public Safety Pillar

***"TO PROVIDE A SAFE AND SECURE COMMUNITY WITH EFFECTIVE, EFFICIENT AND RESPONSIVE EMERGENCY SERVICES, STAFFING, AND INFRASTRUCTURE."***

## Goals (italicized) & Priorities (Sub-Bullets):

- ***PS 1:*** *Provide efficient, effective staffing to ensure a high level of services and response times for Public Safety services.*
    - **PS 1.1:** Evaluate compensation, benefits, and training programs that enhance recruitment, retention, and succession planning in a competitive market.
    - **PS 1.2:** Maintain DARE program and other youth outreach programs.
    - **PS 1.3**: Mental wellness signage and resources on the website/first responder assistance.
    - **PS 1.4:** Encourage collaboration with drug/alcohol treatment providers and Narcan/Safety measures in response to affected populations.
- ***PS 2:*** *Strive to maintain one of the lowest crime rates among comparable cities.*
- ***PS 3:*** *Consider options including dialogue with churches and social service providers, establishment of Task Force, ordinances, regulations, and other measures to mitigate the impact of homelessness in Ormond Beach.*
- ***PS 4:*** *Ensure the physical security of City assets and operations.*
    - **PS 4.1:** Pursue the relocation of the Police Department, Emergency Operations Center (EOC), and the Public Works Facility from their current flood zone locations.
    - **PS 4.2:** Pursue the conversion of city outdoor lighting fixtures to LED.
- ***PS 5:*** *Consider enhancements to City's property maintenance Codes to achieve a higher adherence to community standards in support of beautifying Ormond Beach.*
- ***PS 6:*** *Explore measures with the Fire & Utilities Departments that could result in improvements to Ormond Beach's current ISO #3 rating to attain benefits of reduced insurance costs for our residents and businesses.*

# Quality of Life Pillar

***"TO ENSURE ORMOND BEACH REMAINS THE CROWN JEWEL OF CENTRAL FLORIDA, BY PROVIDING FOR THE QUALITY, QUANTITY AND VARIETY OF PASSIVE AND ACTIVE RECREATION AREAS AND FACILITIES TO SERVE THE NEEDS OF OUR COMMUNITY."***

## Goals (italicized) & Priorities (Sub-Bullets):

- ***QoL 1:*** *Pursue the expansion of recreation fields in Ormond Beach and prioritize the projects in the City's current Park & Recreation Master Plan for funding and development.*

- ***QoL 2:*** *Recognized as a leader in Parks & Recreation through the offering of diverse, high-quality parks and natural spaces.*
    - **QoL 2.1:** Desire to have U.S. National Anthem played at start of every game.
    - **QoL 2.2:** Explore improved field lighting in sports fields and recreational facilities.
        - Specific need behind Nova Rec to Nova Road on north side & Parking lot lighting of Softball Quad.
- ***QoL 3:*** *Consider the development of additional facilities for public programs and community gatherings/events.*
    - **QoL 3.1:** Determine the best redevelopment option for the former Church property located at 56 N. Beach St.
    - **QoL 3.2:** Establish Founder's Day as a community flagship event.
    - **QoL 3.3:** Plan for future needs of East and West Ormond Beach Community Centers/Venues.
- ***QoL 4:*** *Improve the attraction and beautification of Ormond Beach by supporting the placement of public art, community gateway planting/landscaping, and lighting of bridge.*
    - **QoL 4.1:** Develop policies and collaborate with partner agencies to enhance the beautification of the US 1 Corridor.
    - **QoL 4.2:** Continue to work with Volusia County and citizen groups to promote and enhance North Beach Street/Scenic Loop and Trail.
    - **QoL 4.3:** Continue to pursue and promote new Public Art projects in Downtown/Main Street.
    - **QoL 4.4:** Maintain downtown seasonal lights and add bridge uplighting.
    - **QoL 4.5:** Verbally support the rehabilitation of Chief Tomokie statue.

## Water Quality & The Environment Pillar

***"TO ADVANCE THE CITY'S ENVIRONMENTAL STEWARDSHIP THROUGH PROJECTS AND OUTREACH PROMOTING WATER QUALITY, STORMWATER MANAGEMENT, AND RECYCLING."***

### Proposed Goals (italicized) & Priorities (Sub-Bullets):

- ***WQ&E 1:*** *Protect and enhance our environment and invest in infrastructure projects and assets that build resilience benefits to reduce flooding risk and increase sustainability.*

- **WQ&E 1.1:** Reduce the impacts of localized stormwater flooding through the prioritization of key projects in the Stormwater Master Plan and through pre-storm mitigations activities.

- ***WQ&E 2:*** *Advocate for projects that can improve the overall quality of Ormond Beach's water bodies.*
  - **WQ&E 2.1:** Expand reclaimed water system and reuse pond out West.
  - **WQ&E 2.2:** Continue effort of septic to sewer conversions in Magnolia, Oak, and Bonita targeted areas on the mainland.
  - **WQ&E 2.3:** Evaluate the possible benefits of a new Federal inlet north of Highbridge to improve the water quality of the Halifax River.
- ***WQ&E 3:*** *Promote the value of the City's recycling program to reduce the impact of the waste stream sent to the landfill.*
- ***WQ&E 4:*** *Consider the establishment of a Protective Wildlife Corridor.*

## CLOSING COMMENTS

The City of Ormond Beach is to be congratulated for building upon its previous year's efforts to refine their strategic planning process to better articulate and track the community's strategic direction for the upcoming years. The City's Strategic Plan is like a GPS navigation system, where the destination is identified at the front end (Vision), the mode in which you desire to travel such as expressways, toll roads, etc. (Mission & Values) provide direction; and your waypoints, stops, and sights along the way (Pillars) ensure that you are attaining the important reasons behind the journey. That said, just as the GPS navigation system will offer options and detours based upon traffic, construction, and/or accidents to allow the successful navigation around unforeseen issues at the start of the journey, the City's Strategic Plan is developed at a moment in time based upon the best information that is available during its creation and adoption. The City of Ormond Beach will without doubt encounter economic challenges, state, and federal legislation, changing public service expectations, and other factors which will impact the final approved Strategic Plan, which will require adjustments from time to time as the community embarks on its journey to achieve its desired vision.

In future years, SGR recommends that Actionable Items and/or Key Success Indicators (KSI's) be developed for each Priority so that the organization and the community has a clear understanding on the progress of the desired results as expressed by the Mayor & Commission, along with assigning responsible Departments and action steps to track each Priority in the maturation of the City's Strategic Planning process.

Strategic Government Resources is pleased and honored to assist the City of Ormond Beach with the revised Strategic Visioning and Planning Project, and we look forward to following your progression as you embark on this exciting journey!

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

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| **Agenda Date** | July 22, 2025 | **Item No** | 7.T. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Resolution |
| **Subject** | Volusia County Multi-Jurisdictional Local Mitigation Strategy (LMS) Adoption | | |
| **Recommended Action** | Staff recommends approval of the attached resolution adopting the 2025 updated LMS. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Finance - Grants<br>Loretta Moisio, Grants Coordinator | | |


Summary

In 1998, the Volusia County Local Mitigation Strategy was implemented in order to make Volusia County a more disaster resistant community. Since that time, the City has been a participant of this initiative. The working group for the strategy is called the *Volusia Prepares LMS Working Group*. The State of Florida, Department of Emergency Management, and the Federal Emergency Management Agency (FEMA) requires that Local Mitigation Strategies be updated every five years. The Disaster Mitigation Act of 2000 also requires that such plans be updated as it ties the plans to available grant funding. The Disaster Mitigation Act of 2000 requires active participation from each local jurisdiction in the development and maintenance of a multi-jurisdictional Local Mitigation Strategy in order to be eligible for the Pre-Disaster Mitigation Program (PDM), and Hazard Mitigation Grant Program (HMGP).

The current LMS expires on July 30, 2025, and Volusia County's updated LMS for 2025 has been submitted to and approved by the Florida Department of Emergency Management (FDEM) for compliancy with federal standards. Part of the approval process of the LMS requires that all represented jurisdictions formally adopt the strategy by signed resolution which must be included in the final LMS submission. If not, the jurisdiction is not considered part of the multi-jurisdictional strategy; and, therefore, not eligible to apply for funding from the above mentioned programs.


Financial Impact

None

Citizen Impact

Participation in the multi-jurisdictional Local Mitigation Strategy provides the City with the ability to apply for grants in the Pre-Disaster Mitigation Program (PDM) and Hazard Mitigation Grant Program (HMGP) in order to provide projects within the City that mitigate the effects of disasters on its citizens.

Attachments

1. 25-122 Local Hazard Mitigation Plan (P25-0097G)
2. 2025 Final Combined LMS (2)-compressed

**RESOLUTION NO. 2025-122**

A RESOLUTION SUPPORTING AND ADOPTING THE UPDATED VOLUSIA COUNTY LOCAL HAZARD MITIGATION PLAN; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** areas of the City of Ormond Beach are vulnerable to the human and economic costs of natural, technological and societal disasters, and

**WHEREAS,** the City Commission of the City of Ormond Beach, Florida, realizes the importance of reducing or eliminating those vulnerabilities for the overall good and welfare of the community, and

**WHEREAS,** the City of Ormond Beach actively participates in Volusia Prepares, the Local Mitigation Strategy (LMS) working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities, and

**WHEREAS**, the City's professional staff have identified, justified and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of areas of Ormond Beach to the impacts of future disasters, and

**WHEREAS**, the City's professional staff have reviewed the information provided by or for other participating jurisdictions and organizations, including the projects and programs they have proposed for incorporation into the Volusia County Local Mitigation Plan, and

**WHEREAS**, these proposed projects and programs have been incorporated into the current edition of the Volusia County Local Mitigation Plan that has been prepared and issued

for consideration and implementation by the communities and jurisdictions of Volusia County a copy of said Plan being attached hereto and incorporated herein by reference, now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The City Commission hereby accepts and approves of its designated portion of the Volusia County Local Mitigation Plan,

**SECTION TWO.** The City Commission accepts and endorses the mitigation goals and objectives established by Volusia Prepares for the countywide plan, and the anticipated schedule for the next updating of the plan.

**SECTION THREE.** The City Commission finds that the proposed mitigation projects and programs included in the plan by other jurisdictions and organizations are acceptable, that they will not adversely affect the City or its neighborhoods, and that they do not conflict with or duplicate the mitigation proposals made by the City itself.

**SECTION FOUR.** The City Manager or her designee is requested and instructed to pursue available funding opportunities for implementation of the proposals designated therein.

**SECTION FIVE.** The City will, upon receipt of such funding or other necessary resources, seek to implement the proposals contained in the City's individual section of the Plan.

**SECTION SIX.** The City will continue to participate in the updating and expansion of the Volusia County Local Mitigation Plan in the years ahead.

**SECTION SEVEN.** The City will further seek to encourage the businesses, industries and community groups operating within Ormond Beach to also participate in the updating and expansion of the Volusia County Local Mitigation Plan in the years ahead.

**SECTION EIGHT.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025.**

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# VOLUSIA COUNTY, FLORIDA

Volusia County
FLORIDA

Title

# MULTI-JURISDICTIONAL LOCAL MITIGATION STRATEGY

**PREPARED BY THE ECFRPC**
**AND THE VOLUSIA PREPARES LMS WORKING GROUP**
**JANUARY 2025**

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# SECTION 1 – INTRODUCTION

This section of the Plan provides a general introduction to the Volusia County Multi-Jurisdictional Local Mitigation Strategy (LMS). It consists of the following five subsections:

- **Background**
- **Purpose**
- **Scope**
- **Authority**
- **Summary of Plan Contents**

## 1.1 BACKGROUND

Natural hazards, such as hurricanes, floods and tornadoes, are a part of the world around us. Their occurrence is natural and inevitable, and there is little we can do to control their force and intensity. We must consider these hazards to be legitimate and significant threats to human life, safety and property.

Volusia County, Florida is vulnerable to a wide range of natural hazards, including hurricanes and tropical storms, flooding, tornadoes and wildfires. These hazards threaten the life and safety of county residents and have the potential to damage or destroy both public and private property and disrupt the local economy and overall quality of life of individuals who live, work and vacation in the community.

While the threat from hazardous events may never be fully eliminated, there is much we can do to lessen their potential impact upon our community and our citizens. By minimizing the impact of hazards upon our built environment, we can prevent such events from resulting in disasters. The concept and practice of reducing risks to people and property from known hazards is generally referred to as *hazard mitigation*.

**FEMA Definition of Hazard Mitigation:**
*"Any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards."*

Hazard mitigation techniques include both structural measures, such as strengthening or protecting buildings and infrastructure from the destructive forces of potential hazards and non-structural measures, such as the adoption of sound land use policies and the creation of public awareness programs. It is widely accepted that the most effective mitigation measures are implemented at the local government level, where decisions on the regulation and control of development are ultimately made. A comprehensive mitigation approach addresses hazard vulnerabilities that exist today and in the foreseeable future. Therefore, it is essential that projected patterns of future development are evaluated and considered in terms of how that growth will increase or decrease a community's overall hazard vulnerability.

As a community formulates a comprehensive strategy to hazard mitigation, a key component is to develop, adopt and update a Local Mitigation Strategy. An LMS/hazard mitigation plan establishes a broad

community vision and guiding principles for reducing hazard risk and further proposes specific mitigation actions to eliminate or reduce identified vulnerabilities. Each of the jurisdictions has adopted the LMS by resolution (**Appendix H**).

The Volusia County Multi-Jurisdictional Local Mitigation Strategy has evolved over the years, as more thoroughly described in Section 2: Planning Process. The Volusia Prepares LMS Working Group (LMS Working Group) has developed Bylaws and Operating Procedures (**Appendix A**) to formalize the LMS update process and working group. The Plan documents and represents the County's and participating local jurisdictions' sustained efforts to incorporate hazard mitigation principles and practices into the routine government activities and functions of Volusia County and its participating jurisdictions and partners. This includes documenting the goals and objectives that Volusia County deems necessary to protect people and property from hazards. At its most inner core, the Plan recommends specific actions to combat hazard vulnerability and protect its residents from losses to those hazards that pose the greatest risk. Actions go beyond recommending micro-level solutions such as elevation, retrofitting and acquisition projects, and address macro-level solutions. Examples of macro-level actions that contribute to reducing the future vulnerability of Volusia County include local policies on community growth and development, incentives for natural resource protection and public awareness and outreach activities. Finally, the Plan is a living document, with implementation, evaluation and update procedures included to help achieve meaningful objectives and successful outcomes over time.

### 1.1.1 Disaster Mitigation Act of 2000

To reduce the Nation's mounting natural disaster losses, the U.S. Congress passed the Disaster Mitigation Act of 2000 (DMA 2000) to amend the Robert T. Stafford Disaster Relief and Emergency Assistance Act. Section 322 of DMA 2000 emphasizes the need for state and local government entities to closely coordinate mitigation planning activities and makes the development of a hazard mitigation plan a specific eligibility requirement for any local government applying for federal mitigation grant funds. These funds include the Hazard Mitigation Grant Program (HMGP) and the Pre-Disaster Mitigation (PDM) program, both of which are administered by the Federal Emergency Management Agency (FEMA) under the Department of Homeland Security. Communities with an adopted and federally approved hazard mitigation plan thereby become pre-positioned and are more apt to receive available mitigation funds before and after the next disaster strikes.

The Volusia County Multi-Jurisdictional LMS has been prepared in coordination with FEMA Region IV and the Florida Division of Emergency Management to ensure that the Plan meets all applicable DMA 2000 and state requirements. A *Local Mitigation Plan Review Crosswalk*, found in **Appendix B**, provides a summary of federal and state minimum standards and notes the location where each requirement is met within the Plan.

## 1.2 PURPOSE

The purpose of the Volusia County Multi-Jurisdictional LMS is to:

- **Provide a comprehensive update to the *Volusia County Local Hazard Mitigation Plan*, as previously amended in 2020, that is compliant with federal and state requirements.**
  - This Plan is intended to assist participating jurisdictions to comply with requirements in order to expedite the response and recovery process. In addition, compliance is often required to obtain state and federal funding for pre-disaster mitigation projects and post-disaster situations. This Plan allows participating jurisdictions to quickly assemble the necessary grant application materials when seeking funding.

- **Provide a methodical, substantive approach to mitigation planning.**
  - The use of a methodical approach ensures that each step in the planning process builds upon the last, resulting in a high level of assurance that proposed mitigation actions have a valid basis.

- **Enhance public awareness and understanding of hazard mitigation planning.**
  - Engaging the public in the local mitigation planning process shapes the goals, objectives and policies in this Plan. Further, it provides a method for educating the public on how to protect themselves from the impacts of hazards.

- **Create a decision tool for management.**
  - This plan provides local managers, leaders and officials with the tools needed to reduce vulnerabilities to future hazard events.

- **Enhance local policies for hazard mitigation capability.**
  - The Capability Assessment found in Section 7 outlines the policies in Volusia County and the participating jurisdictions to reduce hazard vulnerability. Volusia County's participating jurisdictions aim to enhance and create policies to address mitigating the impacts of a hazard if such policies do not exist.

- **Assure inter-jurisdictional coordination of mitigation-related programming.**
  - By creating a Multi-Jurisdictional plan, this Plan ensures coordination of mitigation activities. This ensures that mitigation actions proposed or implemented by one jurisdiction will be compatible with the actions pursued by another.

- **Provide jurisdiction-specific hazard mitigation vulnerability assessments and actions.**
  - The vulnerability of each jurisdiction will be outlaid in the Vulnerability Assessment. Further, each jurisdiction, based on its vulnerability, will have actions to address hazard vulnerability.

## 1.3 SCOPE

The focus of the Volusia County Multi-Jurisdictional LMS is on those hazards deemed to be "high" or "moderate" risk as determined through a detailed hazard risk assessment conducted for Volusia County. Other hazards that pose a "low" or "negligible" risk will continue to be evaluated during future updates to the Plan, but they may not be fully addressed until they are determined to be of high or moderate risk. This enables Volusia County and its participating jurisdictions to prioritize mitigation actions based on those hazards which are understood to present the greatest risk to lives and property.

The geographic scope (i.e., the planning area) for the Plan includes all areas within the unincorporated jurisdiction of Volusia County and the participating incorporated municipalities: Daytona Beach, Daytona Beach Shores, DeBary, DeLand, Deltona, Edgewater, Holly Hill, Lake Helen, New Smyrna Beach, Oak Hill, Orange City, Ormond Beach, Pierson, Ponce Inlet, Port Orange and South Daytona. In addition, other entities, such as the Volusia County School District, Halifax Medical Center, various Advent Health locations, American Red Cross and the Daytona Beach International Airport participated in the planning process. See Section 2 for a full list of participating entities.

## 1.4 AUTHORITY

The Volusia County Multi-Jurisdictional LMS has been developed in accordance with current state and federal rules and regulations governing local hazard mitigation plans and has been adopted by Volusia County and its participating jurisdictions and partners in accordance with standard local procedures. The Plan shall be routinely monitored and revised to maintain compliance with the following provisions, rules and legislation:

- Section 322, Mitigation Planning, of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as enacted by Section 104 of the Disaster Mitigation Act of 2000 (P.L. 106-390); and
- FEMA's Interim Final Rule published in the Federal Register on February 26, 2002, at 44 CFR Part 201.

## 1.5 SUMMARY OF PLAN CONTENTS

The contents of this Plan are designed and organized to be as reader-friendly and functional as possible. While significant background information is included in the processes used and studies completed (i.e., risk assessment, capability assessment), this information is separated from the more meaningful planning outcomes or actions (i.e., mitigation strategy, mitigation action plans).

Section 2: ***Planning Process***, provides a complete narrative description of the process used to prepare the Plan. This includes the identification of who was involved, who participated on the planning team, and how the public and other stakeholders were involved. It also includes a detailed summary for each of the key meetings held along with any associated outcomes.

The ***Community Profile***, located in Section 3, describes the general makeup of Volusia County, including prevalent geographic, demographic and economic characteristics. In addition, building characteristics and land use patterns are discussed. This baseline information provides a snapshot of the planning area and thereby assists local officials recognize those social, environmental and economic factors that ultimately play a role in determining community vulnerability to hazards.

The Risk Assessment is presented in three sections: Section 4: ***Hazard Identification***; Section 5: ***Hazard Profiles***; and Section 6: ***Vulnerability Assessment***. Together, these sections serve to identify, analyze and assess the overall risk posed to Volusia County and the participating jurisdictions from hazards. The risk assessment also attempts to define any hazard risks that may uniquely or exclusively affect specific areas of Volusia County or its participating jurisdictions and partners.

The ***Capability Assessment***, found in Section 7, provides a detailed analysis of the capacity in Volusia County and the participating jurisdictions to implement meaningful mitigation strategies and identifies existing opportunities to increase and enhance that capacity. Specific capabilities addressed in this section include planning and regulatory capability, staff and organizational (administrative) capability, technical capability, fiscal capability and political capability.

The ***Community Profile, Risk Assessment*** and ***Capability Assessment*** collectively serve as a basis for determining the goals for the Volusia County Multi-Jurisdictional LMS, each contributing to the development, adoption and implementation of a meaningful and manageable *Mitigation Strategy* that is based on accurate background information.

The ***Mitigation Strategy***, found in Section 8, consists of broad countywide goal statements as well as an analysis of hazard mitigation techniques for Volusia County and its participating jurisdictions and partners to consider in reducing hazard vulnerabilities. The Strategy provides the foundation for a detailed ***Mitigation Action Plan***, found in Section 9, which links specific mitigation actions for each County department or agency to locally assigned implementation mechanisms and target completion dates. Together, these sections are designed to make the Plan both strategic (through the identification of long-term goals) but also functional through the identification of short-term and immediate actions that will guide day-to-day decision-making and project implementation.

In addition to the identification and prioritization of possible mitigation projects, emphasis is placed on the use of program and policy alternatives to help make Volusia County and the participating jurisdictions less vulnerable to the damaging forces of hazards while improving the economic, social and environmental health of the community. The concept of multi-objective planning was emphasized throughout the planning process, particularly in identifying ways to link, where possible, hazard mitigation policies and programs with complimentary community goals related to disaster recovery, housing, economic development, recreational opportunities, transportation improvements, environmental quality, land development and public health and safety.

Section 10: ***Plan Maintenance Procedures*** includes the measures that Volusia County and the participating jurisdictions will take to ensure the Plan's continuous long-term implementation. The procedures also include the manner in which the Plan will be regularly evaluated and updated to remain a current and meaningful planning document.

# SECTION 2 – PLANNING PROCESS

**44 CFR Requirement**

***44 CFR Part 201.6(c)(1):*** The plan shall include documentation of the planning process used to develop the plan, including how it was prepared, who was involved in the process and how the public was involved.

This section describes the planning process undertaken by Volusia County in the development of the 2025 Multi-jurisdictional Local Mitigation Strategy. It consists of the following six subsections:

- **Overview of Hazard Mitigation Planning**
- **History of Hazard Mitigation Planning in Volusia County**
- **Preparing the 2025 Plan**
- **The Volusia Prepares Local Mitigation Strategy Working Group**
- **Community Meetings and Workshops**
- **Involving the Public and Identified Stakeholders**

## 2.1 OVERVIEW OF HAZARD MITIGATION PLANNING

Local hazard mitigation planning is the process of organizing community resources, identifying and assessing hazard risks and determining how to best minimize or manage those risks. This process results in a hazard mitigation plan that identifies specific mitigation actions, each designed to achieve both short-term planning objectives and a long-term community vision.

To ensure the functionality of a hazard mitigation plan, responsibility is assigned for each proposed mitigation action to a specific individual, department or agency along with a schedule or target completion date for its implementation. Plan maintenance procedures are established for the routine monitoring of implementation progress, as well as the evaluation and enhancement of the mitigation plan itself. These plan maintenance procedures ensure that the plan remains a current, dynamic and effective planning document over time that becomes integrated into the routine local decision-making process.

Mitigation planning offers many benefits, including:

- **Saving lives and property**
- **Saving money**
- **Speeding recovery following disasters**
- **Reducing future vulnerability through wise development and post-disaster recovery and reconstruction**
- **Expediting the receipt of pre-disaster and post-disaster grant funding**
- **Demonstrating a firm commitment to improving community health and safety**

Typically, mitigation planning is described as having the potential to produce long-term and recurring benefits by breaking the repetitive cycle of disaster loss. A core assumption of hazard mitigation is that

the investments made before a hazard event will significantly reduce the demand for post-disaster assistance by lessening the need for emergency response, repair, recovery and reconstruction. Furthermore, mitigation practices will enable local residents, businesses and industries to re-establish themselves in the wake of a disaster, getting the community economy back on track sooner and with less interruption.

The benefits of mitigation planning go beyond solely reducing hazard vulnerability. Measures such as the acquisition or regulation of land in known hazard areas can help achieve multiple community goals, such as preserving open space, maintaining environmental health and enhancing recreational opportunities. Thus, it is vitally important that any local mitigation planning process be integrated with other concurrent local planning efforts, and any proposed mitigation strategies must consider other existing community goals or initiatives that will help complement or hinder their future implementation.

## 2.2 HISTORY OF HAZARD MITIGATION PLANNING IN VOLUSIA COUNTY

Volusia County's hazard mitigation planning efforts began in 1997 with the formation of the Volusia Prepares Committee. The committee developed the first LMS in 1999 (adopted 2000), as part of the Florida Department of Community Affairs LMS Initiative. The previous version of the LMS, prior to the 2025 version, was updated and adopted in 2020.

## 2.3 PREPARING THE 2025 LMS

The 2025 LMS update was prepared by the East Central Florida Regional Planning Council with assistance from Volusia County Emergency Management Staff. The LMS Update process was led by Volusia County Emergency Management Plans Coordinator Aubrie Austin. The LMS plan was updated from June 2024 to January 2025.

Per the contractual scope of work[1], the consultant team utilized the mitigation planning process recommended by FEMA (Publication Series 386) and recommendations provided by Florida Division of Emergency Management mitigation planning staff. A Local Mitigation Plan Crosswalk, found in Appendix C, provides a detailed summary of FEMA's current minimum standards of acceptability for compliance with the DMA 2000 and notes the location of where each requirement is met within the Plan. These standards are based upon FEMA's Interim Final Rule as published in the Federal Register on February 26, 2002, in Part 201 of the 44 Code of Federal Regulations.

The 2025 LMS was prepared using an updated plan outline and incorporated relevant content from the 2020 LMS. The LMS Working Group updated various parts of the 2020 LMS, as exemplified below:

- *Stakeholders*
  The LMS Working Group identified additional stakeholders that would like to participate in the LMS update process. These stakeholders were invited to subsequent meetings.

- *Plan Outline*
  The LMS Working Group did not revise the plan outline that was proposed by the consultant.

[1] A copy of the negotiated contractual scope of work between Volusia County and ECFRPC is available through Volusia County upon request.

- *Hazards*
  The LMS Working Group decided to include natural hazards starting with the 2009 LMS update, per DMA 2K requirements. Additional manmade and technical hazards occurrences have been included because the rise in occurrences over past years. Many of these hazards are addressed through other emergency preparedness and response plans (e.g., Comprehensive Emergency Management Plan, Emergency Response Plan, Emergency Action Plan, etc.), but cascading impacts have increased the need for mitigation.

- *Hazards Identification Scoring (for reference)*
  In 2024, prior to this plan update, each jurisdiction reviewed the hazards scores that were included in the 2020 LMS (Comparison of Jurisdictional Relative Risk) and modified the scores for each hazard to reflect changes in the impacted area; probability of occurrence; and affects to the built and natural environment and economy.

- *Goals and Objectives*
  The LMS Working Group reviewed the goals and objectives as part of the 2025 update cycle. Through a series of meetings at the beginning of the update process, all goals and objectives were assessed, combined, and/or updated to better reflect the changing needs of the county.

- *Vulnerability Assessment*
  The Vulnerability Assessment was updated using property appraiser data, Resilient Florida Statute Guidelines, and NOAA/USACE predications, as well as the most recent local parcel data (October 2024) for GIS analysis. Hazard maps, hazards exposure and loss estimates were included when appropriate. See Sections 4, 5 and 6 for further information.

- *Hazard Mitigation Initiatives*
  The LMS Working Group decided to continue to use the Excel-based mitigation initiative status and scoring system. See Section 9 for further information.

- *LMS Working Group Bylaws and Operating Procedures (for reference)*
  The LMS Working Group updated the Bylaws and Operating Procedures in 2014 with the facilitated assistance from the consultant with changes made since the 2009 LMS update.

- *Capability Assessment*
  In 2009, a Capability Assessment was prepared, which was not included in the 2005 LMS. This assessment was updated for the 2020 LMS. A survey was conducted among the participating jurisdictions to update the 2025 LMS.

The process used to update this LMS included:

- Conducted the Preliminary Meeting with Volusia County Emergency Management to establish planning process, roles, responsibilities, etc. in preparation for the Kickoff Meeting.
- Conducted the Kickoff Meeting with the Volusia Prepares LMS Working Group
- Offered engagement opportunities for the general public

- Implemented the Vulnerability Assessment produced by the East Central Florida Regional Planning Council (ECFRPC)
- Updated the Capability Assessment
- Conducted Mitigation Strategy Meetings with the Volusia Prepares LMS Working Group and invited the general public to attend. The meetings focused on the plan outline and data collection process, as well as a review of the first draft of the updated 2025 plan.
- Developed the Mitigation Strategy with the LMS Working Group
- Updated the scores for the Mitigation Initiatives
- Updated the Mitigation Initiatives status and scoring of potential projects
- Updated the LMS Plan Maintenance process

Each of these planning steps resulted in critical work products and outcomes that collectively make up the Plan. These elements have been included as separate sections of the Plan (further described in Section 1: Introduction).

The jurisdictions will consider using content from the LMS into other planning initiatives.

## 2.4 VOLUSIA PREPARES LOCAL MITIGATION STRATEGY WORKING GROUP

To guide the development of this Plan, Volusia County reconvened its Volusia Prepares LMS Working Group that was created under past planning efforts. Since the previous update, some changes have been made to the LMS working group in terms of personnel. The LMS Working Group includes representatives of various public, private and non-profit organizations throughout the county. The LMS Working Group represents a community-based planning team made up of local government officials and other key stakeholders identified to serve as critical partners in the planning process.

Opportunities were provided for all Volusia County jurisdictions, agencies, businesses, academia and other interested parties to participate in the LMS update process. All Volusia Prepares information is emailed to city managers, business owners, chambers of commerce, agencies, non-profits, emergency managers and other county partners.

Several non-profits (e.g., American Red Cross, Volusia Interfaiths/Agencies Networking in Disaster and United Cerebral Palsy) have participated in the LMS update process and have approved initiatives in the LMS. There is a Volusia Prepares Business group that has developed a Business Operations Center and emergency business database. They've also held several business planning workshops.

Beginning in June 2024, the LMS Working Group members engaged in regular discussions as well as local meetings and planning workshops to discuss and complete tasks associated with preparing the Plan. This working group coordinated together on all aspects of plan preparation and provided valuable input to the process. In addition to regular meetings, committee members routinely communicated and were kept informed through an e-mail distribution list and internet web site.

Specifically, the tasks assigned to the LMS Working Group members included:

- Participate in LMS update meetings and workshops.
- Provide best available data.

- Help complete the Capability Assessment Survey and provide copies of any mitigation or hazard-related documents for review and incorporation into the Plan.
- Support the development of the Mitigation Strategy, including the design and adoption of community goal statements.
- Help design and propose appropriate mitigation actions for their department/agency for incorporation into the Mitigation Action Plan. Provide a status update and assign a priority score to existing Mitigation Actions.
- Review and provide timely comments on all study findings and draft plan deliverables.
- Support the adoption of the 2025 Volusia County Multi-Jurisdictional Local Mitigation Strategy by all participating jurisdictions.

In addition to these tasks, the Volusia Prepares LMS Working Group consists of a subcommittee responsible for the integration of the County's Program for Public Information (PPI) report into the workflow of the Volusia Prepares Working Group. This includes the creation of an annual report that reviews the status and applicability of the plan.

**Section 2 Table 1** lists the members of the Volusia County Prepares LMS Working Group who were responsible for participating in the development of the Plan.

**Section 2 Table 1: Volusia County Prepares LMS Working Group**

| NAME | AGENCY / JURISDICTION | EMAIL | TITLE |
|---|---|---|---|
| Justin Barton | Daytona Beach | bartonjustin@codb.us | Engineer |
| Angie Sehenuk | Daytona Beach | sehenukangie@codb.us | Engineer |
| Lori Irwin | Daytona Beach Shores | lirwin@cityofdbs.org | Finance Director |
| Amy Long | DeBary | awilliamson@debary.org | Public Works Director |
| David Hamstra | DeBary | david@PegasusEngineering.net | Engineering Consultant |
| Mike Grebosz | DeLand | greboszm@deland.org | Assistant City Manager |
| Kieu Moses | DeLand | mosesk@deland.org | Special Projects Coordinator |
| Jonathan Jacob | DeLand | jacobj@deland.org | Imaging Specialist |
| Sue Houle | Deltona | shoule@deltonafl.gov | Logistics Manager |
| Bill Snyder | Deltona | bsnyder@deltonafl.gov | City Fire Chief |
| Tyna Lynn Hilton | Edgewater | thilton@cityofedgewater.org | Environmental Services Administrator |
| Sandy Camp | Edgewater | scamp@cityofedgewater.org | Grants Administrator |
| Steve Juengst | Holly Hill | sjuengst@hollyhillfl.org | Deputy Public Works Director |
| Jim Gleason | Lake Helen | jgleason@lakehelen.org | City Administrator |
| David Hamstra | New Smyrna Beach | david@pegasusengineering.net | Engineering Consultant |
| Kyle Fegley | New Smyrna Beach | kfegley@cityofnsb.com | City Engineer |
| Mark Bell | Oak Hill | publicworks@oakhillfl.gov | Public Works Director |
| John Peters | Orange City | jpeters@orangecityfl.gov | Engineering Services Director |

| NAME | AGENCY / JURISDICTION | EMAIL | TITLE |
|---|---|---|---|
| Joseph Ruiz | Orange City | jruiz@orangecityfl.gov | Development Services Deputy Director |
| Ronnie Long | Orange City | rlong@orangecityfl.gov | Fire Chief |
| Loretta Moisio | Ormond Beach | Loretta.Moisio@ormondbeach.org | Grants Coordinator |
| Robin Gawel | Ormond Beach | Robin.Gawel@ormondbeach.org | Senior Planner |
| Yvonne Braddock | Pierson | townclerk@townofpierson.org | City Clerk |
| Hank Baker | Ponce Inlet | hbaker@ponce-inlet.org | Building Official |
| Ami Pierce | Ponce Inlet | apierce@ponce-inlet.org | Office Manager Building & Permit |
| Valerie Duhl | Port Orange | vduhl@port-orange.org | Community Development Engineer |
| Marget Tomlinson | Port Orange | mtomlinson@port-orange.org | Construction & Engineering Manager |
| Becky Witte | South Daytona | bwitte@southdaytona.org | Deputy City Clerk |
| James Gillis Jr | South Daytona | lgillis@southdaytona.org | City Manager |
| Josh McEnany | South Daytona | jmcenany@southdaytona.org | Economic Development Director |
| Jessica Fentress | Volusia County Coastal Division | jfentress@volusia.org | Coastal Division Director |
| Niles Cyzycki | Volusia County Coastal Division | NCyzycki@volusia.org | Coastal Division Activity Project Manager |
| Corry Brown | Volusia County Community Assistance | cabrown@volusia.org | Community Assistance Operations Manager |
| Aubrie Austin | Volusia County Emergency Management | alaustin@volusia.org | Emergency Management Operations Coordinator |
| Yolanda Buckles | Volusia County Emergency Management | ybuckles@volusia.org | Emergency Management Planner II |
| Suzie Darby | Volusia County Emergency Services | sdarby@volusia.org | Emergency Services Operations Manager |
| Samantha West | Volusia County Environmental Management | swest@volusia.org | Sustainability & Resiliency Manager |
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| Michael Ulrich | Volusia County Water Resources and Utilities | Mulrich@volusia.org | Water Resources and Utilities Director |
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| Pat White | Aptim | Patricia.white@aptim.com | Planner |

| NAME | AGENCY / JURISDICTION | EMAIL | TITLE |
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| Michelle Cechowski | East Central Florida Regional Planning Council | mcechowski@ecfrpc.org | Director of Emergency Preparedness |
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| Elizabeth Caison | FDEM | Elizabeth.Caison@em.myflorida.com | Regional Recovery Coordinator |
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| Cammie Dewey | St. Johns River WMD | cdewey@sjrwmd.com | Strategic Planning Basin Coordinator |
| Jim Cannon | St. Johns River WMD | Jcannon@sjrwmd.com | Intergovernmental Coordinator |
| Jim Peterson | St. Johns River WMD | JPeterson@sjrwmd.com | Strategic Planning Basin Coordinator |
| Mike McMunigle | St. Johns River WMD | MJMcMuni@sjrwmd.com | Strategic Planning Basin Coordinator |

## 2.5 COMMUNITY MEETINGS AND WORKSHOPS

The preparation of this Plan required a series of meetings and workshops for facilitating discussion, gaining consensus and initiating data collection efforts with local government staff, community officials and other identified stakeholders. More importantly, the meetings and workshops prompted continuous input and feedback from relevant participants throughout the drafting stages of the Plan. Below is a summary of the key meetings and community workshops held during the development of the plan update.

In many cases, routine discussions and additional meetings were held by local staff to accomplish planning tasks specific to their department or agency, such as the approval of specific mitigation actions for their jurisdiction, department or agency to undertake and include in the Mitigation Action Plan. Preplanning efforts began in January 2024. The LMS Working Group was notified in the first quarter meeting that the LMS update was this year, and their participation was vital to the plan's success.

The following is a summary of the meetings that occurred during the LMS update planning process. Meeting invitations, agendas, minutes and rosters are provided in Appendix D.

**Volusia Prepares Kickoff Meeting**

*June 21, 2024*

The Kickoff Meeting was held at the Volusia Emergency Operations Center, 3825 Tiger Bay Road and was attended by the LMS Working Group. The primary purpose of the meeting was to explain the proposed planning process in detail, describe individual roles and responsibilities and begin initial data collection efforts. The LMS Working Group was asked to identify additional stakeholders, new plans, data and studies to incorporate into the LMS update.

**Public Kickoff Meeting**

*September 20, 2024*

The Working Group's Quarter 3 Meeting was open to the public. This meeting was held at the Volusia County Emergency Operations Center. The goal was to begin the public engagement process. The objective was to inform the Working Group and the public on the progress made up to that point and to discuss any updates needed to the priority project list.

**Public Engagement Meetings**

*November 25 and 26, 2024*

Two public meetings were held to inform the public of the planning process and the overall scope of the 2025 Volusia County Local Mitigation Strategy. Maps and a draft plan were provided and general items within the plan were discussed. Special attention was given to community members' needs and recommendations for the plan.

**Volusia Prepares Meeting #2 and Conclusion Meeting for Public**

*December 13, 2024*

The next Local Mitigation Strategy Meeting was held at the Volusia County Emergency Operations Center, 3825 Tiger Bay Road. The purpose of this meeting was to inform the jurisdictions and the public on the plan update and obtain comments and feedback.

The final opportunity for public comment will take place at the County Council meeting when the plan is presented for formal adoption. Upcoming community outreach efforts will focus on including the concepts of mitigation in current public information activities, and to make the public aware of this planning process, its goals and objectives, and opportunities for public input at every possible occasion.

## 2.6 INVOLVING THE PUBLIC AND IDENTIFIED STAKEHOLDERS

A press release was issued from Volusia County Community Information, by the Volusia County Public Information Officer, to invite the public to participate in the LMS development and provide comments on the LMS. The press release included background information about the LMS process, the agenda topics, date, time and location information. Public feedback was accepted by emails, in meetings, in surveys, or by contacting the LMS Coordinator. In addition, the LMS was also placed on the Volusia County Emergency Management's Website.

The public and community stakeholders were invited to "Public Meetings" during the LMS planning process (see Appendix D). These meetings were hosted at two different public library locations to reach different parts of the community. Additionally, they were hosted at different times of the day, one evening and one morning, to accommodate various residents.

The public was also invited to the Volusia Prepares meetings conducted on September 20$^{th}$ and December 13$^{th}$ at the Volusia County EOC.

VCEM engaged community leaders from low-income and underserved communities to request input on the risks and hazards over the 5-year planning period. The survey was distributed to these partners as a way to report local experiences of hazard events (see Appendix D).

# SECTION 3 – COMMUNITY PROFILE

This section of the Plan provides an overview of Volusia County, Florida. It consists of the following five subsections:

- **Geography and the Environment**
- **Population and Demographics**
- **Housing, Infrastructure and Land Use**
- **Employment and Industry**
- **Development Trends**

A variety of resources were used to obtain reliable data and information about the community's profile and demographics. To develop this plan, sources such as the U.S. Census, BEBR reports, and Volusia County Property Appraiser information, were utilized.

## 3.1 GEOGRAPHY AND THE ENVIRONMENT

Volusia County was established in 1854 as a prosperous steamboat landing area. It lies on the central coast of eastern Florida and is comprised of 1,103 square miles of land and 329 square miles of water (bounded to the north and south by the coastal counties of Flagler and Brevard). Several counties border Volusia County to the west including Putnam, Marion, Lake and Seminole. The County is located approximately 40 miles from Orlando, 95 miles from Jacksonville and 105 miles from Tampa, Florida.

There are 16 incorporated areas within Volusia County, of which Deltona is the largest in terms of population. An orientation map of the Volusia County study area is provided as **Section 3 Figure 1**. The participating jurisdictions in this plan include Daytona Beach, Daytona Beach Shores, DeBary, Deland Deltona, Edgewater, Holly Hill, Lake Helen, New Smyrna Beach, Oak Hill, Orange City, Ormond Beach, Pierson, Ponce Inlet, Port Orange, South Daytona, and the unincorporated area of Volusia County.

Forest land accounts for approximately 56 percent of the land area in Volusia County[1]. There is an abundance of public land in Volusia County. For example, the northern portion of the county, abutting Flagler County, is located in the North Peninsula State Recreation Area. In addition, the southern coastal portion of the county, adjacent to Brevard County, is part of the Canaveral National Seashore.

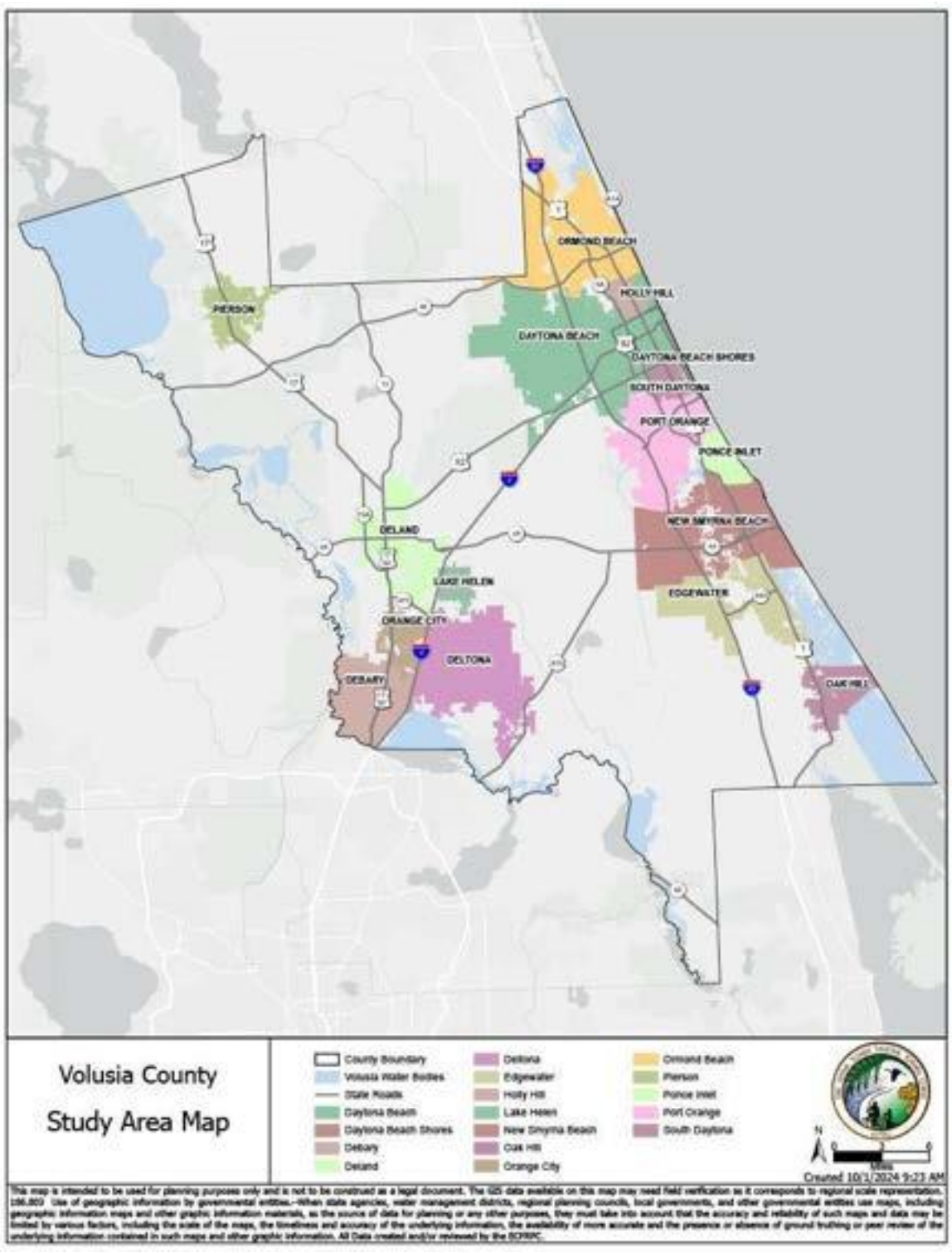
The climate in Volusia County is considered sub-tropical with generally warm, humid temperatures year-round. The average winter temperature is 61 degrees Fahrenheit. The average summer temperature is 81 degrees Fahrenheit, though it typically exceeds 90 degrees Fahrenheit in the months of June, July, and August. The average annual precipitation is 53.83 inches.

The dominant surface water resources in Volusia County are Halifax River, Indian River Lagoon, Mosquito Lagoon, Lake George (37,884 acres), Lake Monroe (5,423 acres), and Lake Harney (3,210 acres)[2].

[1] http://www.freshfromflorida.com
[2] Volusia County Comprehensive Plan, Figure 1-2 Legend for Water Bodies

There are many other water areas throughout the County, which are fed by numerous creeks, bayous and other minor tributaries.

**Section 3: Figure 1: Volusia County Study Area Map**




Source: Volusia County GIS, ECFRPC GIS

## 3.2 POPULATION AND DEMOGRAPHICS

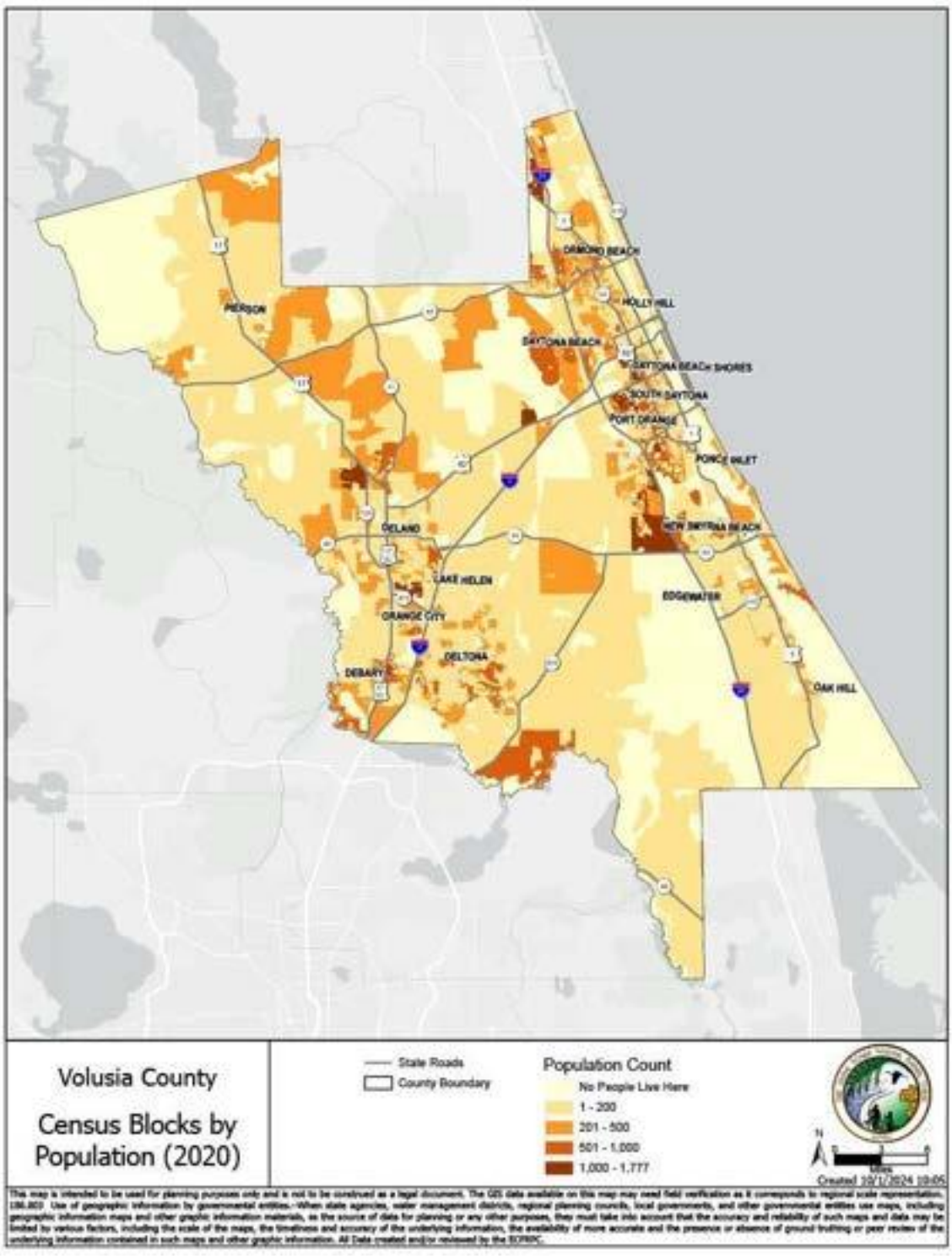
According to the U.S. Census Bureau, the 2023 estimated population of Volusia County was 590,357. This represents a 6.7 percent increase from 2020, when the population was 553,537. **Section 3: Table 1** provides the 2020 populations of the cities and unincorporated areas within Volusia County, along with the 2023 population estimates as provided by the U.S. Census Bureau. In addition, **Section 3: Figure 2** shows the population distribution in Volusia County.

**Section 3: Table 1: Population of Cities and Unincorporated Areas in Volusia County[3]**

| JURISDICTION | 2020 POPULATION | 2023 POPULATION ESTIMATE |
|---|---|---|
| Daytona Beach | 71,586 | 82,485 |
| Daytona Beach Shores | 5,120 | 5,194 |
| DeBary | 22,255 | 23,209 |
| DeLand | 37,786 | 43,009 |
| Deltona | 93,701 | 98,739 |
| Edgewater | 23,111 | 23,636 |
| Holly Hill | 12,970 | 13,075 |
| Lake Helen | 2,843 | 2,964 |
| New Smyrna Beach | 30,210 | 32,655 |
| Oak Hill | 2,011 | 2,128 |
| Orange City | 12,631 | 14,928 |
| Ormond Beach | 43,070 | 44,277 |
| Pierson | 1,540 | 1,558 |
| Ponce Inlet | 3,365 | 3,450 |
| Port Orange | 62,619 | 65,966 |
| South Daytona | 12,852 | 13,781 |
| Unincorporated | 115,867 | 119,303 |

[3] U.S. Census Bureau, Population Division (May 2024) & University of Florida Bureau of Economic and Business Research (January 2024). https://bebr.ufl.edu/wp-content/uploads/2024/01/projections_2024.pdf

**Section 3: Figure 2: Population of Cities and Unincorporated Areas in Volusia County**




Source: U.S. Census Bureau (2020)

According to the 2022 U.S. Census American Community Survey, the median age for the County was 46.6 years. This is higher than the Florida median age of 42.7 years of age. It is estimated that 25.4 percent of the County's population is made up of persons that are 65 years old and over, which is higher than the State figure of 21.6 percent.

The racial mix in Volusia County is predominately white, but has other populations. White persons make up 70.4 percent of the County's population. Black or African American persons accounted for 10.1 percent of the Volusia County population, less than the state percentage of 15.0 percent. Asians comprised 2.0 percent of the population compared to the state's 2.9 percent. People of two or more races comprise 7.6 percent of the population in the County.

According to the Census American Community Survey, in 2022 there were 2.7 people per household. There were 2.32 people per household according to the 2010 U.S. Census.

**Section 3: Table 2: Average Number of Persons Per Household**

| JURISDICTION | AVERAGE NUMBER OF PERSONS PER HOUSEHOLD |
|---|---|
| Daytona Beach | 2.7 |
| Daytona Beach Shores | 2.2 |
| DeBary | 2.7 |
| DeLand | 2.9 |
| Deltona | 3.2 |
| Edgewater | 2.6 |
| Holly Hill | 2.5 |
| Lake Helen | 2.5 |
| New Smyrna Beach | 2.4 |
| Oak Hill | 1.7 |
| Orange City | 2.6 |
| Ormond Beach | 2.5 |
| Pierson | 2.9 |
| Ponce Inlet | 2.1 |
| Port Orange | 2.6 |
| South Daytona | 2.7 |
| Unincorporated | 2.8 |

Source: U.S. Census Bureau

## 3.3 HOUSING, INFRASTRUCTURE, AND LAND USE

### 3.3.1 Housing

According to the Census Bureau's 2022 American Community Survey, there are 273,835 housing units in Volusia County. Of these structures, 68.8 percent are single-unit and 22.7 percent are multi-unit. The remaining 8.5 percent are mobile homes or other types of housing. The median value of owner-occupied housing units was $251,400, compared to the $178,700 state average and the $193,500 national average.[4]

### 3.3.2 Infrastructure

Infrastructure is categorized in this Plan as Transportation and Utilities, as these elements are vital in a disaster event, both for evacuation and for response and recovery efforts. Volusia County is endowed with multi-modes of transportation and has several utility providers.

***Transportation***

Volusia County has several transportation options whether traveling by automobile, rail, or air. There are two federal interstates which run through the County: Interstate 95 runs north to south along the coast, and Interstate 4 runs northeast, connecting the County to Orlando, and merging with I-95 near Daytona Beach. There are also four federal highways (U.S. 1, U.S. 17, U.S. 40 and U.S. 92). There are also four major railway transportation providers (Amtrak, CSX, Florida East Coast Railway, and SunRail), and a number of regional airports. The major area airport is Daytona Beach International Airport. In addition, Port Canaveral, a deep-water port, and one of the busiest cruise ports in the world, is located about 70 miles south of Volusia County in Brevard County.

***Utilities***

Florida Power and Light, Duke Energy, City of New Smyrna Beach Utilities Commission, and Clay Electric Cooperative serve the electricity needs in Volusia County. The natural gas suppliers are Florida Public Utilities and TECO People's Gas. Water and sewer services are provided by a number of different sources including Volusia County Utilities, North Peninsula Utilities Corporation, and municipal governments.

[4] https://data.census.gov/table/ACSDP5Y2022.DP04?g=050XX00US12127&d=ACS%205-Year%20Estimates%20Data%20Profiles

### 3.3.3 Land Use

**Section 3: Table 2** shows the current vacant commercial, industrial, institutional, other, and residential land in Volusia County as of 2024 rounded up to the nearest whole numbers.

**Section 3: Table 3: Vacant Land in Acres Throughout Volusia County**

| JURISDICTION | VACANT COMMERCIAL | VACANT INDUSTRIAL | VACANT INSTITUTIONAL | VACANT OTHER | VACANT RESIDENTIAL |
|---|---|---|---|---|---|
| Daytona Beach | 1488 | 241 | 95 | 6830 | 817 |
| Daytona Beach Shores | 25 | 0.5 | 0.7 | 137 | 10 |
| DeBary | 298 | 46 | - | 739 | 491 |
| DeLand | 447 | 127 | 30 | 2084 | 676 |
| Deltona | 576 | 152 | 9 | 1691 | 1165 |
| Edgewater | 464 | 220 | 2 | 1360 | 518 |
| Holly Hill | 67 | 31 | 0.6 | 45 | 96 |
| Lake Helen | 100 | - | 7 | 185 | 631 |
| New Smyrna Beach | 654 | 150 | 15 | 2978 | 626 |
| Oak Hill | 143 | - | 3 | 796 | 479 |
| Orange City | 827 | 91 | 0.8 | 259 | 236 |
| Ormond Beach | 651 | 63 | 5 | 2947 | 628 |
| Pierson | 65 | - | 0.8 | 900 | 745 |
| Ponce Inlet | 17 | - | 4 | 221 | 67 |
| Port Orange | 514 | 42 | 130 | 2127 | 311 |
| South Daytona | 125 | 9 | 1 | 73 | 39 |
| Unincorporated Area | 1735 | 333 | 41 | 6305 | 40339 |

Source: Volusia County Property Appraiser, ECFRPC

## 3.4 EMPLOYMENT AND INDUSTRY

Volusia County began as a prosperous steamboat landing town in the early 1800s. Today, employment is based largely in the public sector. According to the 2022 American Community Survey, the civilian labor force in Volusia County is approximately 255,301. The top employers are Volusia County Schools, and the local hospital systems.

From an industry perspective, the main economic sources for the county are educational services, and health care and social assistance (21.7%); Retail trade (13.6%); Professional, scientific, and management, and administrative and waste management services (12.4%); and Arts, entertainment, and recreation, and accommodation and food services (11.5%).[5]

In 2022, the estimated median household income for Volusia County was $64,601, less than the State at $72,200 and U.S. medians of $80,610.[6]

[5] https://data.census.gov/table/ACSDP5Y2022.DP03?g=050XX00US12127&d=ACS%205-Year%20Estimates%20Data%20Profiles

[6] https://fred.stlouisfed.org/series/MHIFL12127A052NCEN

## 3.5 DEVELOPMENT TRENDS

Volusia County experienced substantial growth between 2000 and 2005 followed by a sharp decline in growth between 2009 and 2012, as indicated by U.S. Census residential building permit data. Growth has generally rebounded since 2013.

**Section 3: Table 4: Annual Residential Building Permit Data, Volusia County**

| YEAR | TOTAL RESIDENTIAL UNITS | YEAR OVER YEAR CHANGE |
|---|---|---|
| 2000 | 3,147 | --- |
| 2001 | 5,112 | + 1,965 |
| 2002 | 4,171 | -941 |
| 2003 | 5,112 | + 941 |
| 2004 | 4,920 | - 192 |
| 2005 | 5,186 | + 266 |
| 2006 | 2,961 | - 2,225 |
| 2007 | 1,577 | - 1,384 |
| 2008 | 1,053 | - 524 |
| 2009 | 600 | - 453 |
| 2010 | 653 | + 53 |
| 2011 | 539 | - 114 |
| 2012 | 760 | + 221 |
| 2013 | 1,307 | + 547 |
| 2014 | 1,205 | - 102 |
| 2015 | 987 | - 218 |
| 2016 | 1,077 | + 90 |
| 2017 | 1,496 | + 419 |
| 2018 | 1,598 | + 102 |
| 2019 | 1,928 | + 105 |
| 2020 | 2,035 | + 107 |
| 2021 | 2,759 | +724 |
| 2022 | 3,519 | + 760 |
| 2023 | 3,232 | -287 |
| 2024 | 2,574 | -658 |

Source: U.S. Census Bureau, 2013-2017 ACS; Volusia County Connect Permits[7]

For a list of new developments in Volusia County please visit the Land Development section of the Volusia County Growth and Resource Management Department website at the following link: http://www.volusia.org/services/growth-and-resource-management/planning-and-development/land-development/

[7] https://connectlivepermits.org/citizenportal/app/public-search on 12/18/2024

# SECTION 4 – HAZARD IDENTIFICATION

This section is the first of three sections that assess the risk of Volusia County and the participating jurisdictions to hazards. This section identifies a wide range of hazards that could potentially impact the County. Section 5: ***Hazard Profiles*** provides more detailed information about how the identified hazards specifically impact the County and participating jurisdictions. Section 6: ***Vulnerability Assessment*** provides detailed analyses results that indicate the number of damages that could occur in the County because of the identified hazards. Together, these sections serve to identify, analyze and assess the overall risk posed to Volusia County and the participating jurisdictions from hazards. The risk assessment also attempts to define any hazard risks that may uniquely or exclusively affect specific areas of Volusia County or its participating jurisdictions and partners.

Volusia County and the participating jurisdictions are vulnerable to a wide range of natural hazards[1] that threaten life and property. Upon a review of the full range of natural hazards suggested under FEMA planning guidance, Volusia County and the participating jurisdictions have identified several hazards that are to be addressed in this Multi-Jurisdictional LMS. These hazards were identified through an extensive process that utilized input from the Local Mitigation Strategy Working Group (LMS Working Group) members, research of past disaster declarations in the County, a review of previous hazard mitigation plans in the County, and a review of the current Florida Hazard Mitigation Plan. Readily available online information from reputable sources such as federal and state agencies was also evaluated to supplement information from these key sources.

**Section 4: Table 1** lists the full range of natural hazards initially identified for consideration in the Plan and provides a brief description for each. This table includes seventeen (17) individual hazards categorized by the following types: natural, technological, and manmade. Some of these hazards are interrelated or cascading (i.e., hurricanes can cause flooding, storm surge and tornadoes). It should also be noted that some hazards, such as extreme temperature may impact a large area yet cause little damage, while other hazards, such as tornadoes, may impact a small area yet cause extensive damage.

**Section 4: Table 1: Descriptions of the Full Range of Initially Identified Hazards**

| HAZARD | DESCRIPTION |
|---|---|
| **Natural** | |
| **Agriculture** | Agriculture includes Infestations, Invasive Species, and Diseases Infestation or disease in agriculture is when biological entities such as insects, rodents, bacteria or viruses significantly increase in a given area, affecting crops to the point where human and animal health is threatened, valuable crops may be damaged or significant environmental resources may be lost. |
| **Coastal Erosion** | Landward displacement of a shoreline caused by the forces of waves and currents define coastal erosion. Coastal erosion is measured as the rate of change in the |

[1] FEMA's current regulations and interim guidance under the Disaster Mitigation Act of 2000 (DMA 2000) require, at a minimum, an evaluation of a full range of natural hazards. An evaluation of human-caused hazards (e.g., technological hazards, terrorism, etc.) is encouraged, though not required, for plan approval. Volusia County has focused solely on natural hazards at this time. Incorporation of human-caused hazards may be evaluated in future versions of the plan, as it is a "living document" which will be monitored, evaluated and updated regularly.

| HAZARD | DESCRIPTION |
|---|---|
| | position or horizontal displacement of a shoreline over a period. It is generally associated with episodic events such as hurricanes and tropical storms, nor'easters, storm surges and coastal flooding but may also be caused by human activities that alter sediment transport. Construction of shoreline protection structures can mitigate the hazard but may also exacerbate it under some circumstances. |
| **Drought** | A drought is a prolonged period of less than normal precipitation such that the lack of water causes a serious hydrologic imbalance. Common effects of drought include crop failure, water supply shortages, and fish and wildlife mortality. High temperatures, intense winds, and low humidity can worsen drought conditions and make areas more susceptible to wildfire. Human demands and actions can hasten or mitigate drought-related impacts on local communities. |
| **Extreme Temperature** | Extreme temperature generally refers to temperatures that are unusually high or low compared to typical weather conditions for a specific location and time of year. However, defining what constitutes "extreme" can be challenging due to context, location, history, and duration. Volusia County defines extreme temperature in two ways.<br>• Extreme cold may include snow, sleet, freezing rain, or a mix of these wintry forms of precipitation. Ice storms occur when moisture falls and freezes immediately upon impact on trees, power lines, communication towers, structures, roads and other hard surfaces. Winter storms and ice storms can down trees, cause widespread power outages, damage property, and cause fatalities and injuries to human life.<br>• Extreme heat is defined as temperatures that hover 9 degrees or more above the average high temperature of 90°F for the region and last for 3 or more consecutive days. Humid or muggy conditions, which add to the discomfort of high temperatures, occur when a "dome" of high atmospheric pressure traps hazy, damp air near the ground. |
| **Flood** | The accumulation of water within a water body results in the overflow of excess water onto adjacent lands, usually floodplains, causing flood or rising waters in various ways. Floods have three categories: riverine, coastal, or shallow flooding (which includes sheet flow, ponding, and urban drainage). A floodplain is the land adjoining the channel of a river, stream ocean, lake or other watercourse or water body that is susceptible to flooding. |
| **Public Health Emergencies** | Public health emergencies consist of disease and pandemic outbreaks. They may be accidental, natural, or intentional. Under section 319 of the Public Health Service Act (42 U.S.C § 319), the Secretary of the Department of Health and Human Services (HSS) can declare a public health emergency. This can include medical surges (often from mass casualty events) that require hospitals to act beyond normal capacity. |
| **Rising Coastal Waters** | Rising coastal waters is a hazard that refers to unprecedented water levels along the coast, usually leading to inland affects. This hazard encompasses:<br>• Storm surge is a large dome of water often 50 to 100 miles wide and rising anywhere from four to five feet in a Category 1 hurricane up to more than 30 feet in a Category 5 storm. Storm surge heights and associated waves are also dependent upon the shape of the offshore continental shelf (narrow or wide) and the depth of the ocean bottom (bathymetry). A narrow shelf, or one that drops steeply from the shoreline and subsequently produces deep |

| HAZARD | DESCRIPTION |
|---|---|
| | water close to the shoreline, tends to produce a lower surge but higher and more powerful storm waves. Storm surge arrives ahead of a storm's actual landfall and the more intense the hurricane is, the sooner the surge arrives. Storm surge can be devastating to coastal regions, causing severe beach erosion and property damage along the immediate coast.<br>• Sea level rise is caused by warming of the earth's climate, the associated thermal expansion of water molecules, and generally impacts coastal, lagoon-adjacent and river-adjacent areas that are hydrologically connected to the ocean. Sea level rise has been observed over the past few decades in Central Florida, including Volusia County. Projections by NOAA and the U.S. Army Corps of Engineers depict varying levels of sea level rise by the year 2100. As part of this plan, sea level rise and sea level rise-plus storm surge are analyzed.<br>• Tsunamis are a wave or series of waves mostly caused by an earthquake or by a large undersea landslide, volcanic eruption or other undersea disturbance. From the area of disturbance, tsunami waves will travel outward in all directions and can originate hundreds or even thousands of miles away from affected coastal areas. |
| **Severe Weather** | Severe weather refers to any significant or intense weather conditions that can cause damage, disruption, or pose a threat to safety. It encompasses a range of phenomena that are more extreme than typical weather conditions. Volusia County experiences severe weather in a variety of ways.<br>• A hail event produces hailstones that fall to the ground. Hail forms when updrafts in thunderstorms carry raindrops into parts of the atmosphere where the temperatures are below freezing.<br>• Lightning is a discharge of electrical energy resulting from the buildup of positive and negative charges within a thunderstorm, creating a "bolt" when the buildup of charges becomes strong enough. This flash of light usually occurs within the clouds or between the clouds and the ground. A bolt of lightning can reach temperatures approaching 50,000 degrees Fahrenheit. Lightning rapidly heats the sky as it flashes, but the surrounding air cools following the bolt. This rapid heating and cooling of the surrounding air causes thunder. On average, 73 people are killed each year by lightning strikes in the United States.<br>• Thunderstorms are caused by air masses of varying temperatures meeting in the atmosphere. Rapidly rising warm and moist air fuels the formation of thunderstorms. They can move through an area very quickly or linger for several hours. |
| **Tornado** | A tornado is a violently rotating column of air that has contact with the ground and is often visible as a funnel cloud. Its vortex rotates cyclonically with wind speeds ranging from as low as 40 mph to as high as 300 mph. Tornadoes are most often generated by thunderstorm activity when cool, dry air intersects and overrides a layer of warm, moist air forcing the warm air to rise rapidly. The destruction caused by tornadoes ranges from light to catastrophic depending on the intensity, size, and duration of the storm. |
| **Tropical Cyclones** | Hurricanes and tropical storms are classified as tropical cyclones and defined as any closed circulation developing around a low-pressure center in which the winds rotate |

| HAZARD | DESCRIPTION |
|---|---|
| | counterclockwise in the Northern Hemisphere (or clockwise in the Southern Hemisphere) and with a diameter averaging 10 to 30 miles across. When maximum sustained winds reach or exceed 39 miles per hour, the system is designated a tropical storm, given a name, and is closely monitored by the National Hurricane Center. When sustained winds reach or exceed 74 miles per hour the storm is deemed a hurricane. The primary damaging forces associated with these storms are high-level sustained winds, heavy precipitation and tornadoes. Coastal areas are also vulnerable to the additional forces of storm surge, wind-driven waves and tidal flooding which can be more destructive than cyclone wind. Most hurricanes and tropical storms form in the Atlantic Ocean, Caribbean Sea and Gulf of Mexico during the official Atlantic hurricane season, which extends from June through November. |
| **Wildland Fire** | An uncontrolled fire burning in an area of vegetative fuels such as grasslands, brush, or woodlands. Heavier fuels with high continuity, steep slopes, high temperatures, low humidity, low rainfall, and high winds all work to increase risk for people and property located within wildfire hazard areas or along the urban/wildland interface. Wildfires are part of the natural management of forest ecosystems, but most are caused by human factors. Over 80 percent of forest fires started by negligent human behavior such as smoking in wooded areas or improperly extinguishing campfires. The second most common cause for wildfire is lightning. |
| **Manmade** | |
| **Civil Disturbance** | Events of civil disturbances can be classified as armed violence, riots, protests, and threats against the military or the government. The proper planning and prevention methods aid in the mitigation of such events. For threats of civil disturbance utilizing armed violence, it is likely that a joint jurisdictional management of operations will take effect, coordinated at the county level between the Sheriff's Office, Florida Department of Law Enforcement (FDLE), and the Office of Emergency Management. Civil disturbances can occur due to socio-economic, political or other reasons. These types of events typically occur in public places. |
| **Mass Migration** | Mass-migration occurs when persons of one geographic area move in large numbers to another geographic location. |
| **Terrorism** | Terrorism includes any attempt to attack, cripple or damage public goods, public infrastructure or citizens on a large scale. Defined in the Code of Federal Regulations as "the unlawful use of force and violence against persons or property to intimidate or coerce a government, the civilian population, or any segment thereof, in furtherance of political or social objectives" (28 C.F.R. Section 0.85). The various forms of terrorism Volusia County may experience come in four forms.<br>• Agro-Terrorism: The deliberate introduction of disease-causing organisms and chemicals into the food supply through agriculture. It could impact the public if crops or agricultural foods contaminated with disease-causing organisms were to enter the food chain.<br>• Cyber Terrorism: Unlawful attacks and threats of attack against computers, networks, and the information stored therein; and used to intimidate or coerce a government or its people in furtherance of political or social objectives. |

| HAZARD | DESCRIPTION |
|---|---|
| | • Domestic Terrorism: Violent, criminal acts committed by individuals and/or groups to further ideological goals stemming from domestic influences, such as those of a political, religious, social, racial, or environmental nature.<br>• International Terrorism: Violent, criminal acts committed by individuals and/or groups who are inspired by, or associated with, designated foreign terrorist organizations or nations (state-sponsored). |
| **Technological** | |
| **Coastal Oil Spill** | An oil spill is the release of liquid petroleum into the environment, typically the ocean, rivers, or lakes. These spills can result from various incidents, including accidents involving oil tankers, offshore drilling rigs, pipelines, storage facilities, or during the extraction process. Oil spills can have severe environmental, economic, and health impacts. While oil spills would primarily affect the Gulf coast of Florida, oil spills can negatively affect tourism and ecological conditions on the Atlantic coast of Florida. |
| **Critical Infrastructure Failure** | Public utilities provide critical services such as drinking water, stormwater and wastewater collection/treatment, electric power, transportation, supply chains systems that support food and fuel, and communications. These services contribute to the economic well-being and public health/safety of the communities they serve. A utility service disruption can be a cascading emergency from an event such as a cyber-terrorism or a hurricane.<br>Widespread power outages can occur without warning. Generally warning times will be short in the case of technological failure, such as a fire at a sub-station, traffic accident, human error, or terrorist attack. In cases where a power failure is caused by natural hazards, greater warning time is possible. For example, high wind events such as tornados and hurricanes often cause widespread power failure and are often forecasted before they affect a community so that residents can prepare. |
| **HazMat / Industrial Incident** | Hazardous material (HazMat) includes events when liquid, solid or gaseous chemicals that are harmful or fatal to humans or ecological infrastructure disperse into the atmosphere. |

SPECIAL NOTE: The plan omits hazards that may be recognized to affect the jurisdiction(s) in the planning area. Rationale is that while some hazards may pose a risk to Volusia County, mitigation investments would not be deemed appropriate or feasible due to the impending need to mitigate more frequent disasters. Hazards, such as sinkholes and earthquakes, were omitted due to low probability, limited recorded impacts, and low economic impact. It is acknowledged that mitigation efforts can duplicate hazard mitigation benefits.

# SECTION 5 – HAZARD PROFILES

**44 CFR Requirement**

***44 CFR Part 201.6(c)(2)(i):***
The risk assessment shall include a description of the type, location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.

## 5.1 OVERVIEW

This section includes detailed hazard profiles for each of the hazards identified in the previous section as significant enough for further evaluation through the risk assessment in Volusia County. This includes the following hazards:

- **Natural**
  - Agriculture
  - Coastal Erosion
  - Drought
  - Extreme Temperature
  - Flood
  - Public Health Emergencies
  - Rising Coastal Water
  - Severe Weather
  - Tornado
  - Tropical Cyclones
  - Wildland Fire
- **Manmade**
  - Civil Disturbance
  - Mass Migration
  - Terrorism
- **Technological**
  - Coastal Oil Spill
  - Critical Infrastructure Failure
  - HazMat/ Industrial Incident

Each hazard profile described in this section includes a general description of the hazard, its location and extent, notable historical occurrences, the probability of future occurrences, potential impacts, and overall vulnerability. It also includes specific items noted by members of the Local Mitigation Strategy Working Group (LMS Working Group). The probability of future occurrence is expressed as “high” (expected to occur at least every five years), “moderate” (expected to occur at least every 25 years), “low”

(expected to occur at least every 100 years, and "very low" (is possible to occur, despite their being no recorded occurrences).

## Major Disaster Declarations

In 1988, the Robert T. Stafford Disaster Relief and Emergency Assistance Act was enacted to support state and local governments when disasters overwhelm local resources. This law, as amended, establishes a process for requesting and obtaining a Presidential Disaster Declaration, defines the type and scope of assistance available from the federal government, and sets the conditions for obtaining that assistance. The Federal Emergency Management Agency (FEMA), now part of the Emergency Preparedness and Response Directorate of the Department of Homeland Security, is tasked with coordinating the response. Since 1965, Volusia County has received numerous presidential disaster declarations for such hazards as hurricanes, tornados, floods and severe freezes (**Section 5: Table 1**).

**Section 5: Table 1: Presidential Disaster Declarations**

| EVENT | DECLARATION DATE | DECLARATION NUMBER |
|---|---|---|
| Severe Storms, Tornadoes, and Flooding | 05/15/79 | 586 |
| Tornadoes, Flooding, High Winds & Tides, Freezing | 03/13/93 | 982 |
| Tropical Storm Gordon, Tornadoes, Flooding | 11/28/94 | 1043 |
| Tropical Storm Josephine | 10/15/96 | 1141 |
| Severe Storms, High Winds, Tornadoes, Flooding | 02/25/98 | 1195 |
| Extreme Fire Hazard | 07/03/98 | 1223 |
| Hurricane Floyd | 09/22/99 | 1300 |
| Hurricane Irene | 10/28/99 | 1306 |
| Severe Freeze | 02/06/01 | 159 |
| Hurricane Charlie/Bonnie | 08/13/04 | 1539 |
| Hurricane Frances | 09/04/04 | 1545 |
| Hurricane Ivan | 09/15/04 | 1551 |
| Hurricane Jeanne | 09/26/04 | 1561 |
| Hurricane Katrina Evacuation | 09/05/05 | 3220 |
| Severe Storms, Tornadoes | 02/03/07 | 1679 |
| Severe Storms, Tornadoes, and Flooding | 02/08/07 | 1680 |
| Tropical Storm Fay | 08/21/08 | 3288 |
| Severe Storms, Flooding, Tornadoes, Straight-line Winds | 05/27/09 | 1840 |
| Hurricane Matthew | 10/03/16 | 3377 |
| Hurricane Irma | 09/04/17 | 3385 |
| Hurricane Michael | 10/07/18 | 3405 |
| Hurricane Dorian | 08/28/19 | 3420 |
| Florida Covid-19 Pandemic | 03/25/20 | 4486 |

| | | |
|---|---|---|
| Hurricane Sally | 09/23/20 | 4564 |
| Hurricane Ian | 09/29/22 | 4673 |
| Hurricane Nicole | 12/13/22 | 4680 |
| Hurricane Idalia | 08/31/23 | 4734 |
| Hurricane Debby | 08/10/24 | 4806 |
| Hurricane Milton | 10/11/2024 | 4834 |

Source: Federal Emergency Management Agency

Volusia County Emergency Management has had numerous significant disaster events that resulted in the activation of their Emergency Operations Center. **Section 5 Table 2** lists these events by type, area of impact, EOC activation level, the estimated number of properties that were damaged, and loss estimates.

**Section 5: Table 2: Significant Activation Events**

| Date of Event | Type of Event | Area of Event | EOC Level Activation | Damage Estimate | |
|---|---|---|---|---|---|
| | | | | Number of Properties | Dollars |
| 3/13/1993 | Windstorm | County-Wide | Level 2 (Part) | 1273 | 16,948,355 |
| 5/4/1994 | Tornado | Holly Hill | Level 2 (Part) | 273 | 6,680,000 |
| 9/6/1994 | I-4 Chemical Spill | SW Volusia | Level 1 (Mon) | N/A | N/A |
| 11/17/1994 | T.S. Gordon | County-Wide | Level 2 (Part) | 658 | 10,602,924 |
| 8/3/1995 | Hurricane Erin | Edgewater | Level 3 (Full) | 31 | 65,052 |
| 3/11/1996 | Windstorm | Daytona Beach | Level 1 (Mon) | 8 | 28,000 |
| 7/10/1996 | Hurricane Bertha | County-Wide | Level 2 (Part) | N/A | N/A |
| 9/5/1996 | Hurricane Fran | County-Wide | Level 2 (Part) | N/A | N/A |
| 10/8/1996 | T.S. Josephine | County-Wide | Level 1 (Mon) | 193 | 1,232,343 |
| 4/23/1997 | Tornado | NSB Peninsula | Level 2 (Part) | 79 | 525,600 |
| 7/5/1997 | Tornado | Oak Hill | Level 1 (Mon) | 6 | 33,000 |
| 11/2/1997 | Tornado | NSB Main & Penn | Level 2 (Part) | 318 | 11,070,722 |
| 2/2/1998 | Windstorm | Bethune Beach | Level 1 (Mon) | 1 | 20,000 |
| 2/22/1998 | Tornado | Daytona Beach | Level 2 (Part) | 616 | 9,435,553 |
| 6/22/1998 | Fire Storm "98" | County-Wide | Level 4 (Full) | 22 | 2,126,013 |
| 7/28/1998 | Tornado | Daytona Beach | Level 1 (Mon) | 46 | 159,000 |
| 1/3/1999 | Windstorm | SR 415 Area | Level 1 (Mon) | 8 | 9,100 |
| 1/9/1999 | Windstorm | Daytona Beach | Level 1 (Mon) | 11 | 59,000 |
| 9/14/1999 | Hurricane Floyd | East Side | Level 1 (Full) | 433 | 18,655,353 |
| 10/16/1999 | Hurricane Irene | East Side | Level 2 (Part) | 185 | 16,809,266 |
| 1/1/2000 | Y2K | County-Wide | Level 1 (Full) | N/A | N/A |
| 5/31/2000 | Wildfires 2000 | County-Wide | Level 2 (Part) | N/A | N/A |
| 9/16/2000 | Hurricane Gordon | County-Wide | Level 2 (Part) | N/A | N/A |
| 9/19/2000 | Windstorm | DeLand | Level 2 (Part) | 18 | 68,836 |
| 3/13/2001 | Tornado | Daytona Beach | Level 2 (Part) | 172 | 3,210,995 |
| 9/11/2001 | Nat'l Terrorism Event | County-Wide | Level 2 (Part) | N/A | N/A |
| 9/14/2001 | T.S. Gabrielle | County-Wide | Level 2 (Part) | 44 | 474,135 |
| 11/15/2001 | Rain Event | East Volusia | Level 2 (Part) | 39 | 561,300 |
| 4/18/2002 | Amtrak Derailment | Putnam Co. | Level 2 (Part) | N/A | 5,000 |

| Date of Event | Type of Event | Area of Event | EOC Level Activation | Damage Estimate | |
|---|---|---|---|---|---|
| | | | | Number of Properties | Dollars |
| 9/4/2002 | T.S. Edouard | County-Wide | Level 2 (Part) | N/A | N/A |
| 1/13/2003 | Water Plant Breach | Debary | Level 2 (Part) | N/A | 30,000 |
| 7/3/2004 | Pepsi 400 Dis Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/13/2004 | Hurricane Charley | County-Wide | Level 1 (Full) | 5719 | 106,900,000 |
| 9/4/2004 | Hurricane Frances | County-Wide | Level 1 (Full) | 26964 | 393,900,000 |
| 9/25/2004 | Hurricane Jeanne | County-Wide | Level 1 (Full) | UNK | 59,500,000 |
| 7/2/2005 | Pepsi 400 Dis Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 9/8/2005 | T.S. Ophelia | County-Wide | Level 2 (Part) | Beach | N/A |
| 10/23/2005 | Hurricane Wilma | County-Wide | Level 2 (Part) | 3 | 752,000 |
| 2/19/2006 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/1/2006 | Pepsi 400 Dis Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/29/2006 | T.S. Ernesto | County- Wide | Level 2 (Part) | N/A | N/A |
| 12/25/2006 | Tornado | DeLand-Daytona Bch. | Level 3 (Mon) | 210 | 32,000,000 |
| 2/2/2007 | Tornado | DeLand-NSB | Level 2 (Part) | 771 | 60,557,921 |
| 2/18/2007 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/6/2007 | Airport Road Fire | Volusia/Flagler Co. | Level 2 (Part) | N/A | N/A |
| 7/7/2007 | Pepsi 400 Dis Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 2/17/2008 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/5/2008 | Coke 400 Dis Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/18/2008 | T.S. Fay | County-Wide | Level 1 (Full) | 240 | 13,580,016 |
| 2/15/2009 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/17/2009 | May Rainstorm | County-Wide | Level 2 (Part) | 1654 | 69,516,703 |
| 7/7/2009 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/24/2009 | Port Orange Tornado | Port Orange | Level 3 (Monitor) | 175 | 2,810,661 |
| 2/14/2010 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | |
| 7/3/2010 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | |
| 2/20/2011 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | |
| 2/28/2011 | Iron Horse Fire (17,017 a.) | Volusia County | Level 3 (Monitor) | N/A | |
| 5/26/2011 | Volusia Command Fires | Volusia County | Level 3 (Monitor) | N/A | |
| 6/2/2011 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | |
| 2/26-28/12 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | |
| 7/7/2012 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | |
| 12/11-12/12 | Tornado Terra Mar | Edgewater | Level 2 (Part) | N/A | 1,692,498 |
| 2/24/2013 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | |
| 3/2/2013 | Durrance Fire | Ormond Beach | Level 3 (Monitor) | N/A | |
| 6/6/2013 | Tropical Storm Andrea | Countywide | Level 3 (Monitor) | N/A | |
| 7/6/2013 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | |
| 2/23/2014 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | |
| 7/1/2014 | Tropical Storm Arthur | Countywide | Level 3 (Monitor) | N/A | |
| 7/3/2014 | T.S. Arthur | Countywide | Level 2 (Part) | N/A | |
| 7/5-6/2014 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | |

| Date of Event | Type of Event | Area of Event | EOC Level Activation | Damage Estimate | |
|---|---|---|---|---|---|
| | | | | Number of Properties | Dollars |
| 9/23/2014 | No Name Rain Event | Port Orange/ NSB | Level 2 (Part) | 150 | 1,500,000 |
| 3/22/2015 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/5/2015 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/27-29/2015 | T.S. Erika | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 2/21/2016 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/27-30/2016 | Country 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 6/5-7/2016 | T.S. Colin | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/2/2016 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 10/6-20/2016 | Hurricane Matthew | Countywide | Level 1 (Full) | N/A | 493,500,000 |
| 2/26/2017 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/26-28/2017 | Country 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/2/2017 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 9/5-22/2017 | Hurricane Irma | Countywide | Level 1 (Full) | N/A | 371,091,000 |
| 2/18/2018 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/25-27/2018 | Country 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/7/2018 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 2/17/2019 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/7/2019 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 9/2/2019 | Hurricane Dorian | Countywide | Level 1 (Full) | N/A | 2,600,600 |
| 2/16/20 | Daytona 500 Race | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/1/20 | Hurricane Isaias | Countywide | Level 2 (Part) | N/A | N/A |
| 8/16/20 | Nascar Series | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/19/20 | Primary Day Tornado | DeLand | Level 2 (Part) | N/A | N/A |
| 8/29/20 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 2/16/21 | Daytona 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 7/2/21 | Hurricane Elsa | Countywide | Level 2 (Part) | N/A | N/A |
| 8/28/21 | Coke Zero 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 2/20/22 | Daytona 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/28/22 | Coke Zero Sugar 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 9/28/22 | Hurricane Ian | Countywide | Level 1 (Full) | 7,051 | 357,449,754 |
| 11/7/22 | Hurricane Nicole | Countywide | Level 1 (Full) | 615 | 495,385,828 |
| 2/19/23 | Daytona 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/26/23 | Coke Zero Sugar 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/28-8/30/23 | Hurricane Idalia | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 1/18-1/19/24 | Daytona 500 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 5/8-5/12/24 | Rockville | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 8/24/24 | Coke Zero Sugar 400 | Daytona Beach | Level 2 (Part) | N/A | N/A |
| 9/26/24 | Hurricane Helene | Countywide | Level 2 (Part) | N/A | N/A |
| 10/10/24 | Hurricane Milton | Countywide | Level 1 (Full) | 5,102 | 267,508,457 |
| | | | **Totals -----> ** | **53,414** | **$2,838,300,446** |

Source: Volusia County Emergency Management Division (Revised 1/28/2025)

***NOTE: ALL HISTORICAL OCCURRENCES IN THIS REPORT ARE THE MOST RECENT AS DOCUMENTED BY THE NATIONAL CLIMATIC DATA CENTER***

# NATURAL HAZARDS

## 5.2 AGRICULTURE

### Background

Agriculture includes Infestations, Invasive Species, and Diseases Infestation or disease in agriculture is when biological entities such as insects, rodents, bacteria or viruses significantly increase in a given area, affecting crops to the point where human and animal health is threatened, valuable crops may be damaged, or significant environmental resources may be lost. Examples of common Volusia infestations are caused by mosquitos, citrus greening, southern pine beetle, Florida Dampwood Termites, rats, or noxious plants like Brazilian Pepper Tree, etc.

Cattle diseases like Mad Cow, Hartwater, and hoof-and-mouth and citrus disease like Greening and Canker are of concern to Volusia farmers. Coordination with the University of Florida IFAS and Volusia County Extension is the first step in mitigation planning for agricultural infestations and disease. A notable source of information on the distribution of invasive plants, insects, animals and diseases in Volusia can be found at the Early Detection and Distribution Mapping system website, http://www.eddmaps.org, known as EDDMapS. The EDDMapS web-based mapping system documents invasive species and disease distribution. The site combines data from other databases and organizations as well as volunteer observations to create a national network of invasive species distribution data that is used by scientists, researchers, land managers, landowners, educators, conservationists, ecologists, farmers, foresters, state and national parks. Florida has ecosystems not found in the other 47 contiguous states, and it also has more non-native species than any state other than Hawaii.

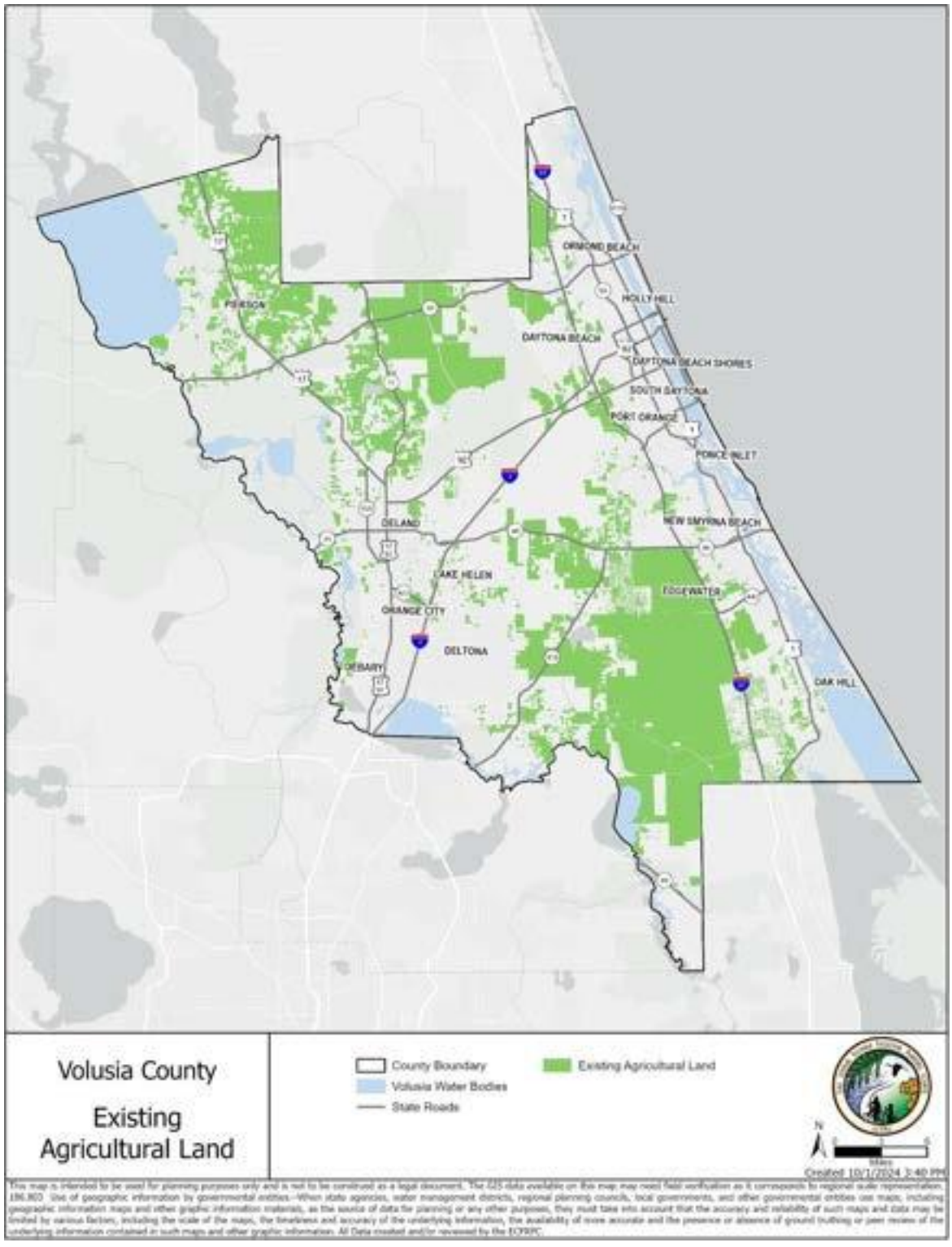
If important natural resources such as mangroves, sea oats, oyster beds, etc. are overrun by invading species, then the county will be more vulnerable to the consequences of all other hazards. With the disappearance of natural barriers, lower impacting hazards will have increasingly stronger impacts on residents, businesses, critical infrastructure and the ability of the County to provide uninterrupted program operations. Faculty members at the University of Florida currently are conducting research and outreach programs to better understand and control these exotic invasive species. Until controls are in place the entire population of Volusia is at risk to the effects of a degrading ecosystem.

### Location and Spatial Extent

Agriculture incidents in Volusia County are quite rare and historically have not caused much damage to the community. In 2022, the county had 95,988 acres of farmland. Much of the agricultural land is located in the central western part of Volusia County, including Enterprise and Pierson. The extent encompasses small areas of crops within the county. Since 2022, there has been a 13% decrease in the number of farms that exist within the county. While the direct impacts may be rare, the indirect effects of an incident could be county-wide. From 2020 to 2024, at least 70 acres within the county are infested with non-native species.[1] **Section 5 Figure 1** displays the areas of the county most vulnerable to agricultural incidents based on areas zoned agricultural.

[1] https://www.eddmaps.org/tools/query/?observationDateStart=01/01/2020&observationDateEnd=08/12/2024&eradicationstatus=1,2&country=926&state=92612000&fipscode=92612127&records=current

**Section 5: Figure 1: Volusia County Agricultural Land**



Source: Volusia County Property Appraiser, ECFRPC

**Section 5: Table 3: Farm Overview 2022**[2]

| | 2022 | % Change Since 2017 |
|---|---|---|
| **Number of Farms** | 1,374 | -13 |
| **Land in Farms (Acres)** | 95,988 | -16 |
| **Average Size of Farm (Acres)** | 70 | -4 |

## Historical Occurrences

With its plant-friendly south temperate/subtropical climate, Florida particularly suffers from the introduction and unchecked growth of exotic plants. Almost half (1,180) of the 3,834 plant species found in Florida have arrived here since European occupation. Since plants are the base of the food chain, exotic "takeovers" can jeopardize plant-dependent wildlife and the whole ecosystem. The Florida Exotic Pest Plant Council (FLEPPC) has identified 152 non-native invasive species that are invading and disrupting native plant communities (2011 list). In 2022, that has now increased to 172[3]. EDDMapS notes over 299 separate invasive plants, animal, and insect species found in Volusia County to date. Many of the listed species are distributed throughout the county and are found in natural and disturbed landscapes.

In Florida, at least 60 species of exotic birds have bred in the wild. Despite this fact, the chance of persisting survival of non-indigenous birds is uncertain. Among those species which have survived and thrived as pests are Muscovy ducks, rock doves, European starlings, house sparrows, and monk parakeets. Though troublesome in other respects, some species (such as feral pigs) are important as prey for native predators (Florida panthers) and serve as an attraction for hunters. However, negative impacts from invasive species include habitat destruction, competition with native species, predation, hybridization, disease and parasites.

Florida mammal pests include the Norway rat, roof rat, house mouse and feral pig. Siting of invasive fish in Volusia include Lionfish, and Nile Tilapia. Annually, insect pests cause an estimated $1 billion in damages in Florida, and many of the worst pests are non-indigenous. According to entomologist Dr. John Capinera, 1,218 invading insect species become established in Florida annually. These non-natives arrive by flying, walking, swimming, rafting and by stowing away on cargo (often on infested plants commercially imported).

In 1997 and 1998, Florida's agricultural community was forced to focus time and resources on communicating to the general public about the Mediterranean fruit fly (Medfly) and the control methods used to eradicate the pest when the fly threatened the state's $6.8 million agriculture industry. The Florida Agricultural Extension is a partnership between the University of Florida Institute of Food and Agricultural Sciences (IFAS), the United States Department of Agriculture (USDA) and county governments in Florida to provide scientific knowledge and expertise to the public through educational programs. Volusia County has cattle farms, citrus orchards, ferneries, and other agricultural enterprises that are vulnerable to infestations and disease. Information on these infestations and diseases is available at http://www.volusia.org/services/community-services/extension/.

[2]Source: 2022 Census of Agriculture County Profile
https://www.nass.usda.gov/Publications/AgCensus/2022/Online_Resources/County_Profiles/Florida/cp12127.pdf

[3]Source: https://www.floridainvasives.org/plant-list/2023-invasive-plant-species/

## Probability of Future Occurrences

Agricultural threats will continue to pose a threat to Volusia County for years to come, but the probability remains low for catastrophic farming impacts. Agriculture does remain a threat because although the number of farms has decreased since 2017, the market value of products sold increased by 47% and farm related income by 116%.

## 5.3 COASTAL EROSION

### Background

Coastal erosion is a hazard defined as the wearing away of land and loss of beach, shoreline, or dune material and is measured as the rate of change in the position or horizontal (landward) displacement of a shoreline over a period of time. Short-term erosion typically results from episodic natural events such as hurricanes and storm surge, windstorms and flooding hazards, but may be exacerbated by human activities such as boat wakes, removal of dune and vegetative buffers, shoreline hardening and dredging. Long-term erosion is a function of multi-year impacts such as wave action, sea level rise, sediment loss, subsidence and climate change. Climatic trends can change a beach from naturally accreting to eroding due to increased episodic erosion events caused by waves from an above-average number of storms and high tides, or the long-term effects of fluctuations in sea level.

Natural recovery from erosion can take years, often decades. If a beach or dune system does not recover quickly enough naturally, coastal and upland property may be exposed to further damage in subsequent coastal erosion and flooding events. Human actions to supplement natural coastal recovery, such as beach nourishment, dune stabilization and shoreline protection structures (e.g., sea walls, groins, jetties, etc.) can mitigate the hazard of coastal erosion, but may also exacerbate it under some circumstances.

Death and injury are not typically associated with coastal erosion; however, it can cause the destruction of buildings and infrastructure and represents a major threat to the local economies of coastal communities that rely on the financial benefits of recreational beaches.

### Location and Spatial Extent

All coastal areas in Volusia County are susceptible to coastal erosion. The jurisdictions most vulnerable are displayed in **Section 5 Figure 2**. Using Florida Department of Environment (FDEP) field data beginning in 1972, it is clear that Volusia County shorelines are moving due to erosion, accretion, and beach nourishment projects[4]. Further, in July 2023, FDEP released a *Critically Eroded Beaches in Florida* report that identifies four critically eroded beach areas (27.2miles), two non-critically eroded beach area (2 miles) and one critically eroded inlet shoreline area (0.6 mile) in Volusia County.

A 16.6-mile segment of beach (R51 – R143) along Ormond Beach, Daytona Beach, Daytona Beach Shores, Wilbur By The Sea and the Town of Ponce Inlet is critically eroded, threatening development and recreational interests, as well as sea turtle nesting areas where the dry sand beach has become very narrow. Most of this segment is armored with seawalls.

Due to the erosional impacts of Hurricane Ian and Nicole in 2022, there is a 0.9-mile segment of a noncritically eroded beach within the Town of Ponce Inlet between R143 to R148.2 and no structures are threatened. The north shoreline (0.6-mile) of Ponce de Leon Inlet is critically eroded and threatens recreational interests at the county park. The 8.4 miles of beaches (R160.8 – R207.8) south of Ponce de Leon Inlet within New Smyrna Beach and Bethune Beach are critically eroded. Private development and recreational interests, as well as sea turtle nesting habitats, are threatened. Much of New Smyrna Beach

[4] Foster, Emmet and Jenny Cheng. Shoreline Beach Change Estimates, Volusia County, 2000. Office of Beaches and Coastal Systems, Florida Department of Environmental Protection; Beaches and Shores Research Center, Florida State University.

is armored with seawalls, with Bethune Beach protected by a boulder rock revetment. The New Smyrna Beach area has received inlet sand transfer material from dredging within Ponce de Leon Inlet and additional material from dredging the Atlantic Intracoastal Waterway. A 1.1-mile segment of the Canaveral National Seashore (R207.8 – R214) south of Bethune Beach is also non-critically eroded without any threatened interests at this time.[5]

The beach ridge in Volusia County ranges from 300 – 3,000 feet in width. A majority of the county, ranging approximately from Ormond Beach to Bethune Beach, has fine-grained quartz sand. Sand in areas north and south of this area consist of a shell-quartz mixture and have steeper slopes than the central county. The southernmost mile of shoreline in Volusia County makes up part of the Canaveral National Seashore Park, while the northernmost area is part of the North Peninsula State Recreation Area.

## Historical Occurrences

Erosion events typically are part of other hazard events (e.g., storm surge and hurricanes) and the monetary damage for the erosion alone is unknown.

**Section 5: Table 4: Historical Coastal Erosion Impacts**

| LOCATION | DATE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|
| Volusia County | 9/14/1999 | 0/0 | $56,444,488 (2009 dollars) | Hurricane Floyd caused significant beach erosion in Volusia County. Of the property damage estimates, over $13 million was attributed to beach erosion. |
| St. Lucie and Volusia Counties | 10/14/1999 | 0/0 | $68,539,735 (2009 dollars) | Hurricane Irene caused beach loss of four to ten feet in the affected areas with damage in the millions. |
| Brevard and Volusia Counties | 9/04/2001 | 0/0 | $6,333,850 (2009 dollars) | Storm tide from a tropical storm reached two feet above normal, causing significant beach erosion. |
| St. Lucie and Volusia Counties | 9/25/2004 | 0/0 | $440,408,221 (2009 dollars) | Severe beach erosion was reported from Hurricane Jeanne, a category 3 storm. |
| Volusia County | 8/21/2008 | 0/0 | Unknown | New Smyrna Beach experienced a loss of 50 feet of new sand due to wind gust of over 45 MPH from Tropical Storm Fay. Even Orange and Seminole counties experienced riverine erosion along the St. Johns River. |
| St. Johns, Flagler, Volusia and Brevard Counties | 10/6/16 | 0/0 | $15.8 million | Under executive authority, Governor Rick Scott announced on January 27, 2017, that emergency funding of $15.8 million would be made available for emergency beach and dune repairs in response to the damage caused by Hurricane Matthew. The emergency funding was intended for |

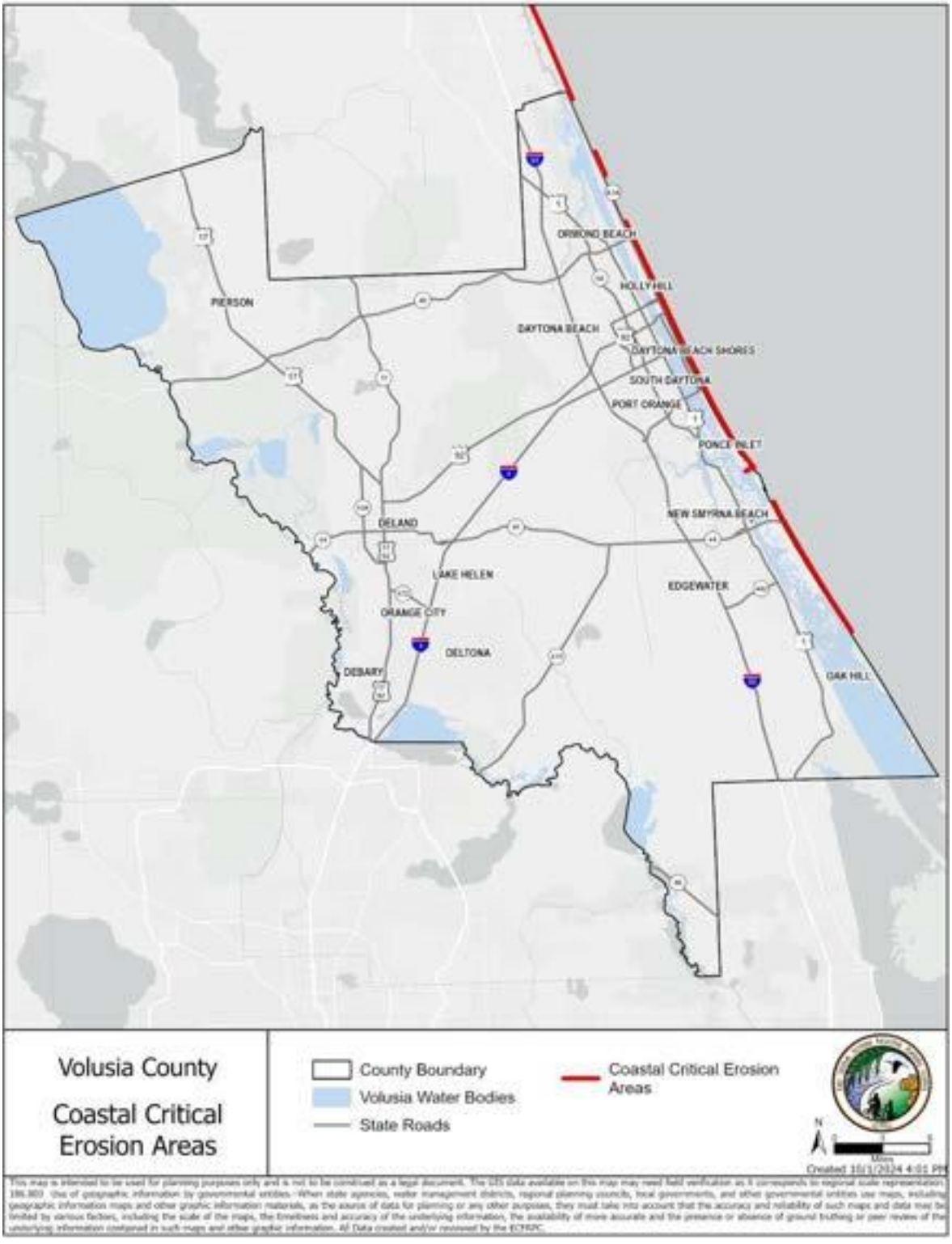
[5] Critically Eroded Beaches in Florida Office of Resilience and Coastal Protection Florida Department of Environmental Protection July 2023

| LOCATION | DATE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|
| | | | | immediate use to address critically eroded beaches where there was an imminent threat to beachfront structures, such as roadways, homes and businesses. |
| Volusia County | September-November 2022 | 0/0 | Unknown | Several structures either partially or fully collapsed into the ocean throughout Volusia County. Elsewhere, significant damage was noted to dunes, beach access crossovers, seawalls, piers, and boardwalks, many of which were already in a weakened state due to Hurricane Ian. Numerous structures, including homes, condominiums, and hotels were deemed unsafe and required additional analysis by engineers as well as county and state officials. Elevated water levels along the intracoastal waters resulted in damage to numerous boat docks and marinas throughout the county. |

Source: National Climatic Data Center

The severity of coastal erosion is typically measured through a quantitative assessment of annual shoreline change for a given beach cross-section of profile (feet or meters per year) over a long period of time. Erosion rates vary as a function of shoreline type and are influenced primarily by episodic events but can be used in land use and hazard management to define areas of critical concern.

**Section 5: Figure 2: Critical Erosion Areas in Volusia County**




Source: Florida Department of Environmental Protection, Division of Beaches and Coastal Systems, 2024

## Probability of Future Occurrences

The probability of the continuing occurrence of coastal erosion in the coastal areas of Volusia County is high. Florida's Bureau of Beaches and Coastal Systems estimates an average of a one-foot loss annually for Volusia County in stable or accretionary areas. The area between Ormond Beach and Daytona Beach Shores are eroding at a rate between zero and 0.5 feet annually, according to a 2000 study. Northern areas of the county, including the North Peninsula State Recreation Area, lose between 0.5 and 1.5 feet annually. Areas south of Ormond Beach to Daytona Beach Shores stretch have lower expected erosion rates due to extensive armoring (e.g., beach walls and revetments). However, natural erosion is occurring southward from South of Ponce de Leon Inlet. Loss rates are as high as 1.5 feet per year and decrease heading in a southerly direction. The damaging impacts of coastal erosion are lessened through continuous (and costly) beach nourishment and structural shoreline protection measures. However, it is likely that the impacts of coastal erosion will increase in severity due to future episodic storm events.

The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts and that future mitigation and adaptation strategies related to this hazard should be considered.

## 5.4 DROUGHT

### Background

Drought is a normal part of virtually all climatic regions, including areas with high and low average rainfall. Drought is the consequence of a natural reduction in the amount of precipitation expected over an extended period of time, usually a season or more in length. High temperatures, high winds, and low humidity can exacerbate drought conditions. In addition, human actions and demands for water resources can hasten drought-related impacts. Droughts are typically classified into one of four types[6]:

- **Meteorological:** The degree of dryness or departure of actual precipitation from an expected average or normal amount based on monthly, seasonal, or annual time scales.
- **Hydrologic:** The effects of precipitation shortfalls on stream flows and reservoir, lake, and groundwater levels.
- **Agricultural:** Soil moisture deficiencies relative to water demands of plant life, usually crops.
- **Socioeconomic:** The effect of demands for water exceeding the supply as a result of a weather-related supply shortfall.

Droughts are slow-onset hazards, but over time can have very damaging effects to crops, municipal water supplies, recreational uses, and wildlife. If droughts extend over a number of years, the direct and indirect economic impact can be significant. The National Weather Service alerts are displayed in **Section 5 Figure 3**.

### Location and Spatial Extent

The Palmer Drought Severity Index (PDSI) is based on observed drought conditions and range from -0.5 (incipient dry spell) to -4.0 (extreme drought). Evident in **Section 5: Figure 3,** the Palmer Drought Severity Index Summary Map for the United States, droughts affect most areas of the United States but are less severe in the Eastern United States.

Drought typically covers a large area and cannot be confined to any geographic or political boundaries; thus, Volusia County and all its jurisdictions are equally susceptible. According to the Palmer Drought Severity Index, Florida has a relatively low risk for drought hazard. However, local areas may experience much more severe and/or frequent drought events than what is represented on the Palmer Drought Severity Index map. Further, it is assumed that Volusia County would be uniformly exposed to drought, making the spatial extent potentially widespread. During long periods of drought, disruption in the water cycle can have potentially damaging effects, including substantial crop loss in the northwestern portion of the county. Periods of drought can exacerbate the ignition of wildfires that can damage the natural and built environment, as has occurred before in Volusia County.

One of the most severe cases of drought in Florida occurred from October 2010 until June of 2012 in which a major portion of the state displayed D3 (Drought Extreme) conditions. During this extensive period, the two-month period of April and May of 2012, showed the highest level of drought concern with portions of the state under a D-4 Drought Exceptional condition (The National Drought Mitigation Center, 2014).

[6] Multi-Hazard Identification and Risk Assessment: A Cornerstone of the National Mitigation Strategy, FEMA

Thus, Volusia County can experience the full array of drought conditions, from D0 to D4. NOAA describes D4 events as having "extensive and widespread crop and pasture losses, fire risk, shortages of water in reservoirs, stream and wells that yield water emergencies. D4 can loosely be likened to a "once-in-a-generation" type of drought noted by the second percentile, or a 1 in 50-year drought.

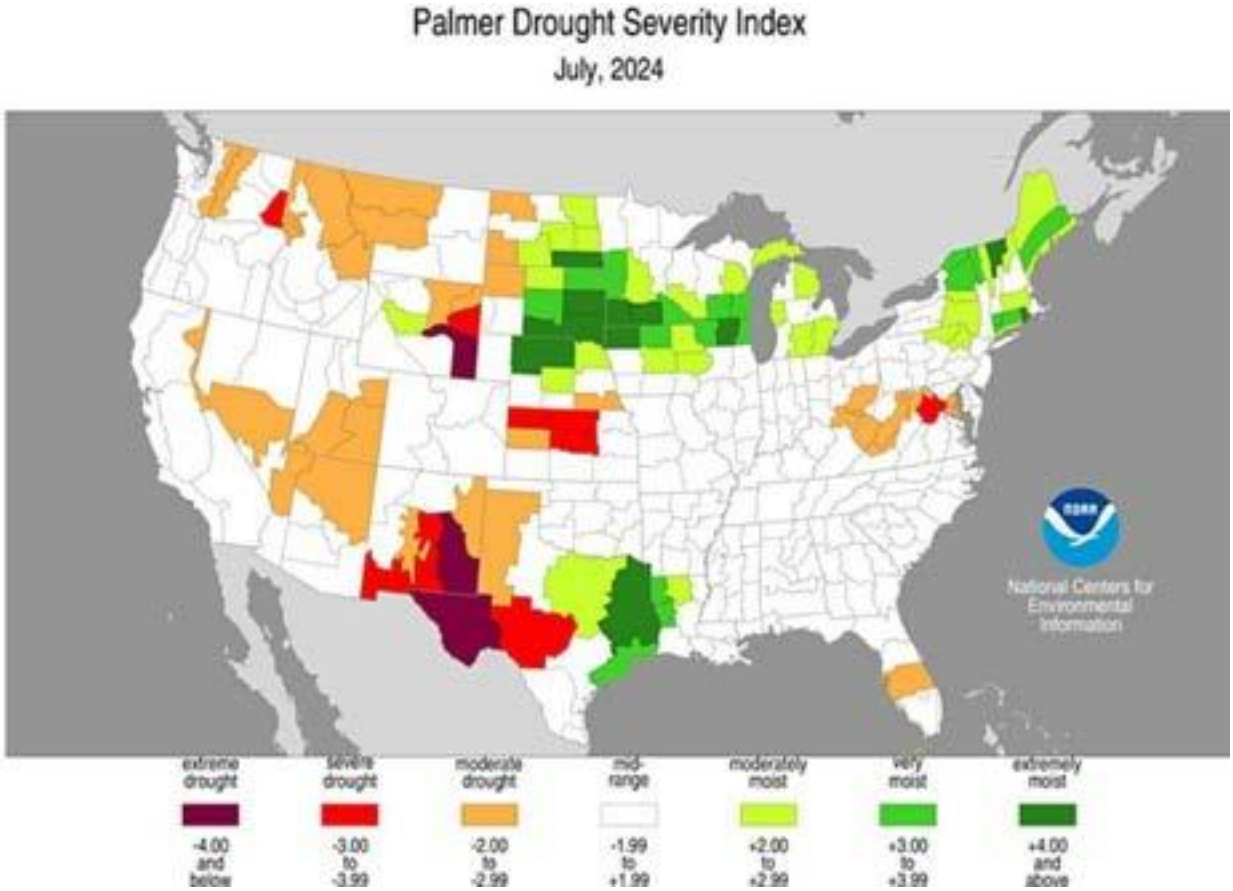
**Section 5: Figure 3: Drought Monitor Intensities**

| National Weather Service Alerts | |
|---|---|
| Alert | Criteria |
| D0 Abnormally Dry | Going into drought: short-term dryness slowing planting, growth of crops or pastures. Coming out of drought: some lingering water deficits; pastures or crops not fully recovered. |
| D1 Moderate Drought | Some damage to crops, pastures, streams, reservoirs, or wells low, some water shortages developing or imminent, and voluntary water-use restrictions requested. |
| D2 Severe Drought | Crop or pasture losses are likely, water shortages common and water restrictions imposed. |
| D3 Extreme Drought | Major crop and pasture losses with widespread water shortages or restrictions. |
| D4 Exceptional Drought | Exceptional and widespread crop and pasture loss, shortages of water in reservoirs, streams, and wells creating water emergencies. |

Source: National Weather Service

Source: National Weather Service

**Section 5: Figure 4: Palmer Drought Severity Index Summary Map for the United States**




*Source: NOAA (Note: This map updates frequently. This is only a snapshot in time and not a long-term trend or view)*[7]

## Historical Occurrences

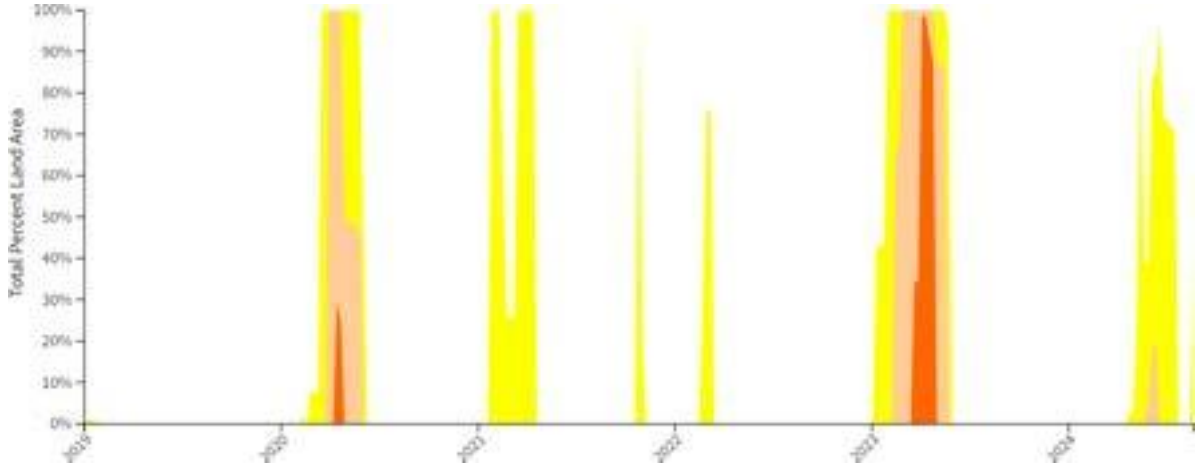
Secondary research was conducted to determine the historical drought occurrences in Volusia County. Volusia County is part of the St. Johns River Water Management District, which monitors well levels throughout its jurisdiction. The Keetch Bryam Drought Index is a numerical scale (0-800) that measures the amount of moisture in the soil. A zero indicates wet, full saturation conditions while an 800 represents extreme drought conditions. It is often used to assess the danger of wildfires but is also an indication of drought. Therefore, it is reported where information is available. The following highlights some of the events from the years.

**1981:** Drought conditions were reported throughout Southern Florida. Three firefighters narrowly escaped injury while fighting drought-related wildfire. Officials from St. Johns River Water Management District ordered a mandatory 15 percent reduction in water use for public water supply, industrial, commercial and self-supplied users[8].

[7] https://www.ncei.noaa.gov/access/monitoring/historical-palmers/maps/psi/202301-202407
[8] "Winds, Dry Weather Worsen Central Florida Fires. Ocala Star-Banner. Associated Press. July 1, 1981.

- **1985:** A short, six-month drought was reported in Volusia County. In addition to sparking wildfires, it led to a water warning calling for voluntary water usage restrictions[9]. On June 20, 1985, the water warning was expanded throughout St. Johns Water Management District. Volusia County had been placed under warning months earlier[10]. On August 14, the warning was lifted as counties were able to meet usage demands due to recent rainfall.
- **1998:** Volusia County reported a Drought Index reading of 700. Wildfires were abundant throughout the County. This year was reported as having the driest conditions in 50 years. The drought did not officially end until 2002[11].
- **January 1999:** Volusia County reported a Drought Index of 500.
- **May 2000:** The May Drought Index was reported at 432 – 570. By early 2001 the Drought Index average for Volusia County was 601.
- **February 2001:** During this drought, drought index D4 covered 39.08% of Florida.
- **April 2006 – August 2008:** This prolonged drought covered much of the state in D2 and D3 conditions.
- **October 2010 – June 2012:** This prolonged drought covered much of the state in D1 and D2 conditions. D3 conditions peaked in June 2012, covering more than 80% of the state.
- **Spring 2024:** Volusia County was in a drought nearly the entire first quarter of the year, reaching D2 conditions as shown in **Section 5 Figure 4**. [12]

**Section 5: Figure 5: Drought Conditions for Volusia County**




Source: NOAA

## Probability of Future Occurrences

It is assumed that all of Volusia County is uniformly exposed to a drought event. As with any location, some areas of the county may be affected more severely than others during a drought. Given the

[9] "Fires Still Rage in Volusia County." Evening Independent. Associated Press.
[10] "St. John's Water District Expands Warning Area." Gainesville Sun. Associated Press. June 20, 1985.
[11] NAVARRO, MIREYA. "Thousands Flee Florida Homes as Fires Surge." July 2, 1998. Section A, page 1, New York Times.
[12] https://www.drought.gov/states/florida/county/volusia

frequency of previous events, warm temperatures, and average rainfall, the probability of future drought events is high.

In partnership with County and municipal staff and the St. Johns River Water Management District, a contingency plan is in place to restrict water use across the county in an effort assist with water conservation efforts during periods of drought. Some direct impacts related to drought include reduced crop production, increased fire hazards, reduced water levels at major lakes and rivers, damage to fish habitat, and income loss for the agriculture industry.

The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts and that future mitigation and adaptation strategies related to this hazard should be considered.

## 5.5 EXTREME TEMPERATURES

### Background

Extreme temperature generally refers to temperatures that are unusually high or low compared to typical weather conditions for a specific location and time of year. However, defining what constitutes "extreme" can be challenging due to context, location, history, and duration. Volusia County defines extreme temperature in two ways.

- **Extreme cold** may include snow, sleet, freezing rain, or a mix of these wintry forms of precipitation. A winter storm can range from moderate snow over a period of a few hours to blizzard conditions with blinding wind-driven snow that lasts for several days. Ice storms occur when moisture falls and freezes immediately upon impact on trees, power lines, communication towers, structures, roads and other hard surfaces. Winter storms and ice storms can bring down trees, cause widespread power outages, damage property, and cause fatalities and injuries to human life. All winter storm events have the potential to present dangerous conditions to Volusia County.
- **Extreme heat** is defined as temperatures that hover 99 degrees or more above the average high temperature of 90°F for the region and last for 3 or more consecutive days. Humid or muggy conditions, which add to the discomfort of high temperatures, occur when a "dome" of high atmospheric pressure traps hazy, damp air near the ground.

### Location and Spatial Extent

The entirety of Volusia County and its jurisdictions are susceptible to extreme temperatures. Volusia County, being in the southern portion of the nation, rarely experiences extreme cold events, and thus has a much lower risk than more northern areas of the country. Typically, there have not been many winter storms that have caused damage in Volusia County. Volusia County does succumb more frequently to extreme heat events.

A severe winter storm occurs when the surface air temperature is expected to be 32°F or below over a widespread area for at least 3 or more consecutive days (this is the minimum extent of a severe winter storm). Use of the term is usually restricted to aversive situations or occasions when wind or other conditions prevent frost. "Killing" may be used during the growing season when the temperature is expected to be low enough for a sufficient duration to kill all but the hardiest herbaceous crops. Extreme cold can immobilize an entire region. Even areas, such as Volusia County, that normally experience mild winters can be hit with a major extreme cold winter event. Winter storms can result in ice, localized flooding, closed highways, blocked roads, downed power lines and hypothermia.

There is a low probability that Volusia County and its jurisdictions will experience 72 consecutive hours of temperatures below 32°F on an annual basis. However, outlier storms (such as the Great Blizzard of 1899) have been observed within Volusia County and are often the result of arctic activity that affects the entire North American continent. These events are of low probability on an annual basis but can occur.

Volusia County and its jurisdictions are more likely to experience freezing temperatures for much shorter durations of time. More specifically, temperatures tend to dip below the freezing threshold during nighttime from the months of November to February.

The extent of extreme heat is determined as 3 -10 consecutive days of 99°F or higher and at least 50% of the County would be impacted during an event. Trends show increasing temperatures for longer durations. This puts the entire county and its residents at much greater risk of extreme heat events.

## Historical Occurrences

Temperatures within Volusia County, Florida were recorded as low as 6 degrees Fahrenheit in December 1962, according to the National Oceanographic and Atmospheric Administration. Temperatures dropped to 6 degrees for five consecutive days, although the temperature did not sustain at this level continuously. According to a previous Volusia County Emergency Operations Management manager, there were also two severe winter freezes in the mid to late 80's. These events killed many orange groves in Volusia County and around the state. There were no reports of death, injuries, or property damage as a result of the winter weather.

Despite the rare chance of winter storm occurrence, one snow event was reported in 2008 according to NOAA National Climatic Data Center (NCDC). On January 3, 2008, cold breezes off the Atlantic produced brief snow flurries along the coast of Volusia County. On January 9, 2010, sleet was reported in Volusia County.

However, freezing temperatures are not likely to persist for more than 24 hours at a time. In most circumstances, temperatures will only dip below freezing for a small number of hours during the nighttime. A number of these events were reported in Volusia County in the 2014- and 2015-time frame, one of the most recent and severe being the 'polar vortex' super storm on January 6th and 7th, 2014. The early months of 2025 brought freezing temperatures across the state. Volusia County opened cold weather shelters and issued numerous freeze and cold weather advisories for residents.

According to scientists at NASA's Goddard Institute for Space Studies (GISS) in New York, July 2023 was hotter than any other month in the global temperature record. Temperatures above 95 F occur most often in June, July, August, and occasionally in May and September. From January 2020 to January 2025 Volusia County experienced temperatures 99 degrees or above on 2 occasions, June 23, 2022 at 101 degrees and August 10, 2023, at 99 degrees.

## Probability of Future Occurrences

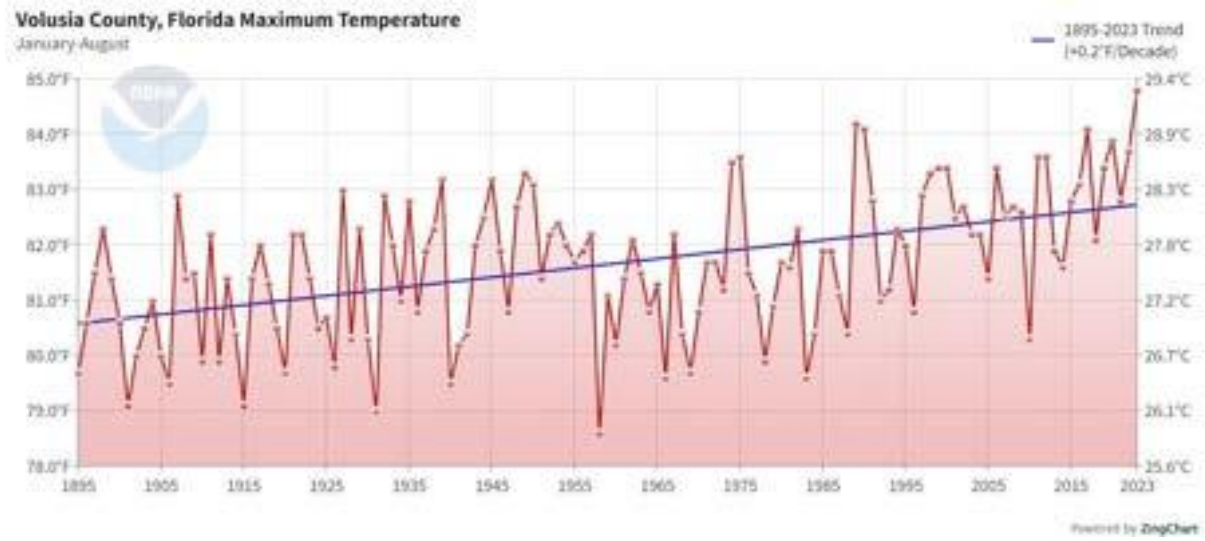
There is a low probability of future winter storm occurrences in Volusia County; however, outlier storms such as the 1899 Blizzard can occur with an extremely low probability. Winter storm events will remain an infrequent occurrence in Volusia County. Given the average winter temperature of 61.5 degrees Fahrenheit, it is highly unlikely that a winter event beyond light snow will occur. Based on the data produced by NOAA shown in **Section 5: Figure 7**, extreme cold trends are increasing.

It is assumed that Volusia County experiences extreme heat periodically and will continue to do so. The average temperature and number of consecutive days of extreme heat are likely to increase, bringing new challenges to human health and infrastructure. The historical county maximum temperature in January through August in 1895 was 79.7 degrees, whereas the current day maximum temperature is 84.8 degrees.[13] Based on the data produced by NOAA shown in **Section 5: Figure 6**, extreme heat trends are increasing.

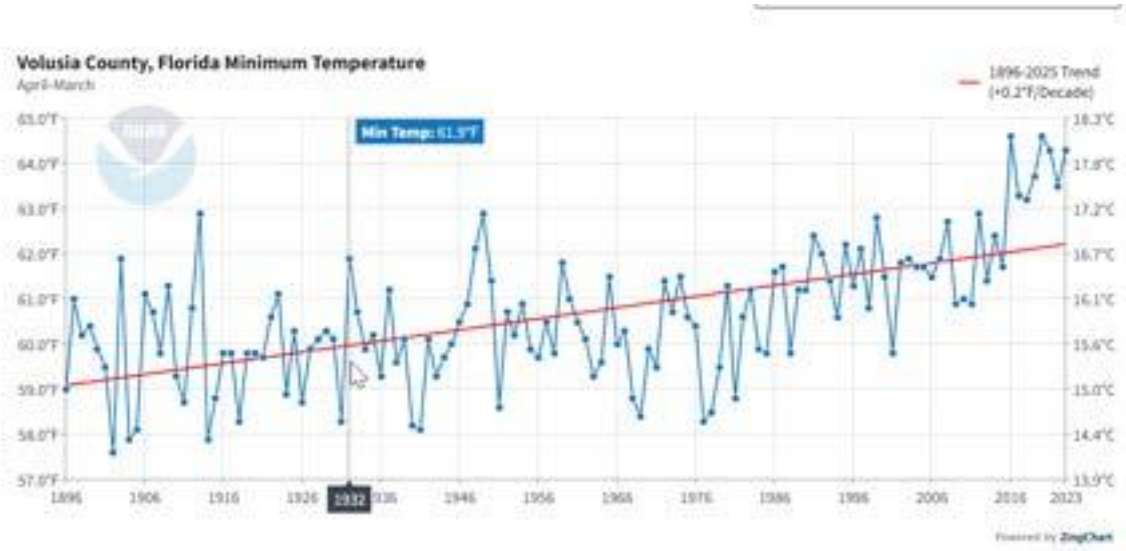
[13]Source: NOAA National Centers for Environmental information, Climate at a Glance: County Time Series, published August 2024, retrieved on August 13, 2024, from https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/county/time-series

Future impacts throughout Volusia County could include damage to crops, nurseries and tree farms (e.g., Pierson is the fern capital of the world), and other vegetation; sleet could increase the number of vehicular accidents); and the increased use of alternate heating sources in homes could cause potential structural fires. Also, agriculture may be disproportionately affected.

**Section 5: Figure 6: Florida Maximum Annual Temperature Since 1895**




**Section 5: Figure 7: Florida Maximum Annual Temperature Since 1895**




The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts and that future mitigation and adaptation strategies related to this hazard should be considered.

## 5.6 FLOOD

### Background

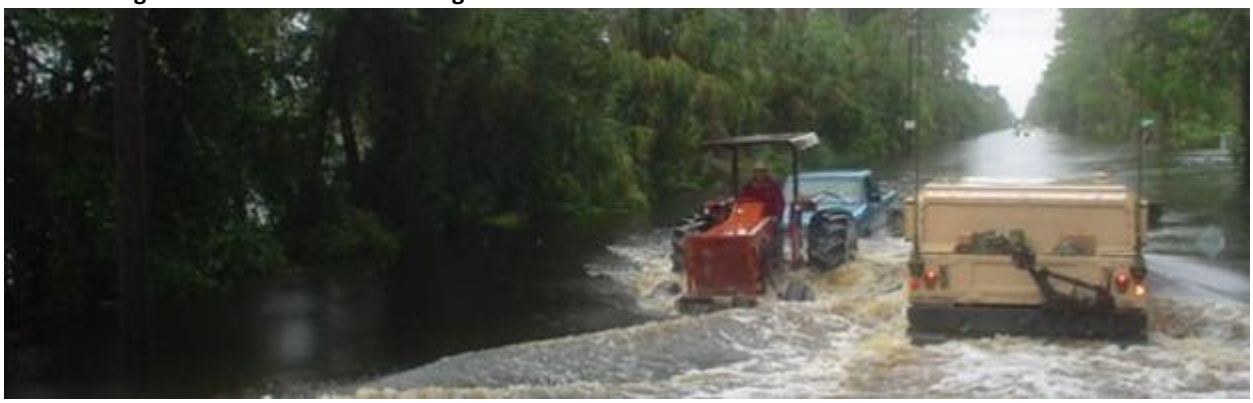
Flooding is the most frequent and costly natural hazard in the United States, a hazard that has caused more than 10,000 deaths since 1900. Nearly 90 percent of presidential disaster declarations result from natural events where flooding was a major component.

Floods generally result from excessive precipitation and can be classified under two categories: general floods, precipitation over a given river basin for a long period of time along with storm-induced wave or tidal action; and flash floods, the product of heavy localized precipitation in a short time period over a given location. The severity of flooding events is typically determined by a combination of several major factors, including stream and river basin topography and physiography; precipitation and weather patterns; recent soil moisture conditions; and the degree of vegetative clearing and impervious surface.

- A **general flood** is usually a long-term event that may last for several days. The primary types of general flooding include riverine, coastal, and urban flooding. Riverine flooding is a function of excessive precipitation levels and water runoff volumes within the watershed of a stream or river. Coastal flooding is typically a result of storm surge, wind-driven waves and heavy rainfall produced by hurricanes, tropical storms and other large coastal storms[14]. Urban flooding occurs where manmade development has obstructed the natural flow of water and decreased the ability of natural groundcover to absorb and retain surface water runoff.

- Most **flash flooding** is caused by slow-moving thunderstorms in a local area or by heavy rains associated with hurricanes and tropical storms. However, flash flooding events may also occur from a dam or levee failure within minutes or hours of heavy amounts of rainfall, or from a sudden release of water held by a retention basin or other stormwater control facility. Although flash flooding occurs most often along mountain streams, it is also common in urbanized areas where much of the ground is covered by impervious surfaces.

**Section 5: Figure 8: Flood Waters Covering Streets**



Maytown Road experienced extreme flooding during the 2009 Volusia County rainstorms

[14] While briefly mentioned here, coastal flooding is more thoroughly addressed under the "rising coastal water" hazard.

The periodic flooding of lands adjacent to rivers, streams and shorelines (land known as floodplain) is a natural and inevitable occurrence that can be expected to take place based upon established recurrence intervals. Floodplains are designated by the frequency of floods that is large enough to cover them. There are two ways to determine the frequency of flood events

1. By plotting a graph of the size of all known floods for an area and determining how often floods of a particular size occur, and
2. the chance of occurrence in a given year, which is the percentage of the probability of flooding each year.

For example, the 1 percent annual chance flood refers to an area in the 100-year floodplain and has a 1 percent chance of occurring in any given year. Similarly, the 0.2 percent flood covers the 500-year floodplain and has a 0.2 percent chance of occurring in any given year. The recurrence interval of a flood is defined as the average time interval, in years, expected between a flood event of a particular magnitude and an equal or larger flood. Flood magnitude increases with increasing recurrence intervals.

## Location and Spatial Extent

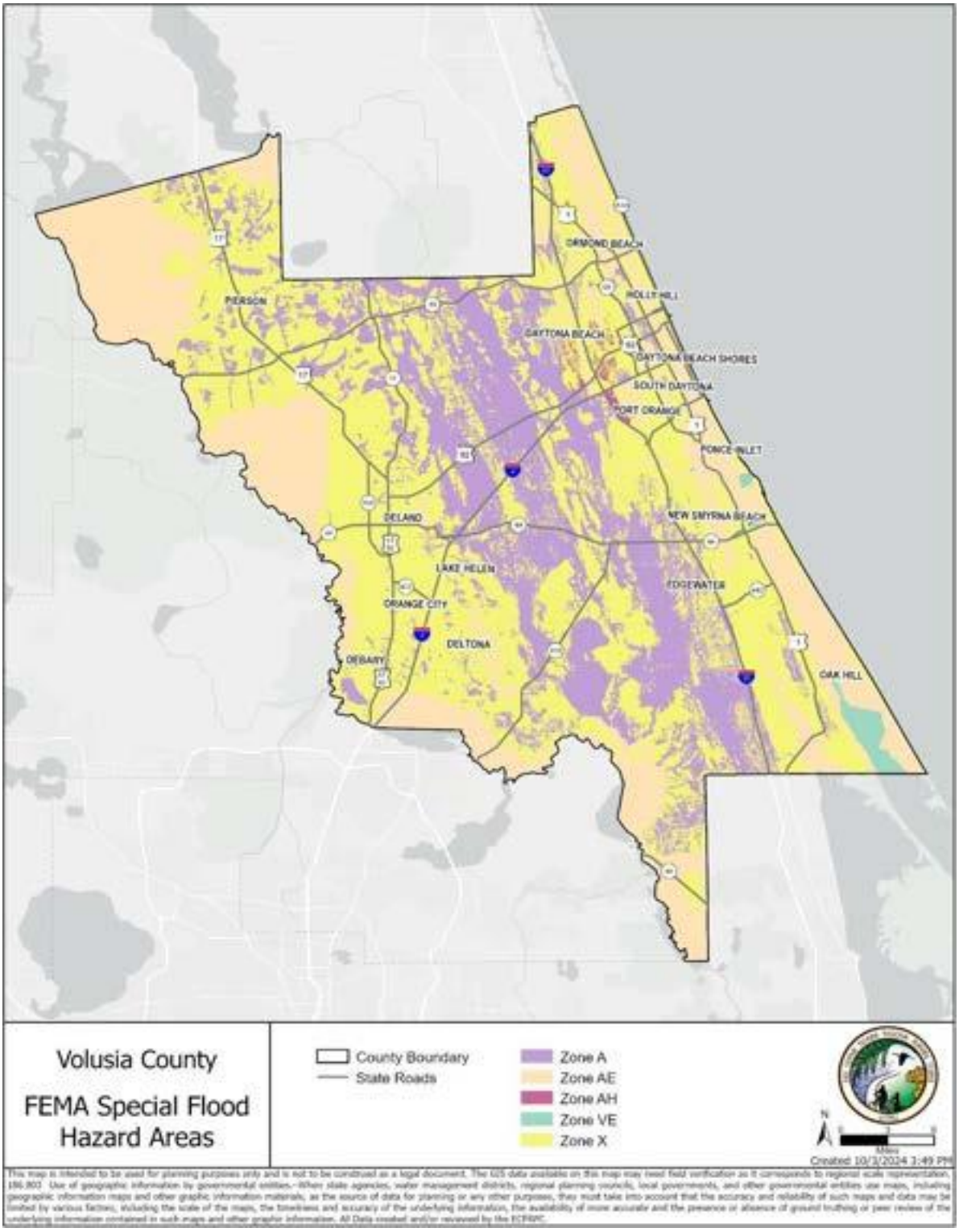
All areas of Volusia County are susceptible to riverine and urban (stormwater) flooding, and its coastal communities are also very susceptible to tidal and coastal flooding due to coastal storm events including storm surge.[15] **Section 5: Figure 9** illustrates the location and extent of currently mapped Special Flood Hazard Areas for Volusia County based on best available FEMA Digital Flood Insurance Rate Map (DFIRM) data.[16] As displayed in the image, the hazard differs across the county. The differences include Zones A/AE (100-year floodplain), Zone VE (100-year coastal flood zones, associated with wave action) and Zone X (500-year floodplain). It is important to note that while FEMA digital flood data is recognized as best available data for planning purposes, it does not always reflect the most accurate and up-to-date flood risk. Impacts have included flooding of hundreds of homes, schools, and roads, including the blockage of I-95 in Ormond Beach during a 2004 flash flood. Flooding and flood-related losses sometimes occur outside of delineated “100 year” special flood hazard areas during 500-year storm events or when rain events are exacerbated by strong winds. Changes in topography (and associated water runoff) generally do not impact Volusia County due to its flat terrain.

Water can rise to exceptional levels during hurricane, storm surge, flash flood and thunderstorm conditions. Water levels have historically risen to 6 feet within southwestern Volusia County following one of these events, with increased water heights for coastal communities due to Florida’s semidiurnal tides. Roadway flooding has been seen rising between 1 and 5 feet.

There are a number of areas that are disproportionately affected to flooding, including areas adjacent to the St. Johns River (Maytown to Enterprise).

[15] Storm surge is addressed separately within this section.

**Section 5: Figure 9: Special Flood Hazard Areas in Volusia County**




Source: Federal Emergency Management Agency

## Historical Occurrences

According to the National Climatic Data Center, there have been over 20 reported flood events in Volusia County since 1994. According to the data as shown in **Section 5: Table 5**, there was over $20 million in property damage (not including recorded agricultural losses) during this period.

**Section 5: Table 5: Historical Flood Impacts in Volusia County**

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Peninsular | 9/15/1994 | Flood | 0/0 | $757,242 | Two synoptic-scale systems, one tropical and one non-tropical brought heavy rain to most of peninsular Florida the last half of September. Other sections of Florida, particularly northeast and east central, experienced urban flooding which closed roads and flooded schools and homes in Duval County and flooded subdivisions in Flagler, Volusia, St. Johns and Brevard counties. |
| Countywide | 10/11/1994 | Flood | 0/0 | $757,242 | Heavy rains across much of northeast Florida caused widespread flooding of roadways and vehicles and minor flooding of schools, businesses and residences. Strong onshore winds caused significant beach erosion and minor coastal flooding along portions of the northeast coast. |
| Oak Hill | 9/19/1999 | Flash Flood | 0/0 | $13,439 | Heavy rain of 2 to 4 inches produced flooding in Oak Hill. Two homes had minor flooding. |
| Edgewater | 9/14/2001 | Flash Flood | 0/0 | $316,693 | Rainfall from Tropical Storm Gabrielle flooded about 25 homes and apartments in Edgewater and New Smyrna Beach. About 5 homes were flooded along the Tomoka River in Daytona Beach. Roadway and small stream flooding was reported over much of the county. |
| Ponce Park | 11/14/2001 | Flash Flood | 0/0 | $633,385 | Showers and thunderstorms dumped over 5 inches of rain in coastal sections of Volusia County. Thirty-five homes in the Ponce Inlet, Daytona Beach and Ormond by the Sea areas received some water damage. |
| Deltona | 8/19/2002 | Urban Flood | 0/0 | $0 | Thunderstorms produced street flooding in Deltona. |
| Ormond Beach | 8/8/2004 | Flash Flood | 0/0 | $0 | Heavy rain in the morning hours brought 24-hour rain totals to near 7 inches. Widespread street flooding with water in two homes in Ormond Beach was reported. A lane of Interstate 95 was blocked by flood waters. |
| Countywide | 9/5/2004 | Flash Flood | 0/0 | $0 | From 10 to 12 inches of rain from the northern rain bands of Hurricane Frances produced widespread flooding of homes, businesses and roads across coastal communities as well as in Deltona, and DeLand. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Countywide | 9/9/2004 | Flood | 0/0 | $5,564,516 | Hurricane Frances produced 6 to 10 inches of heavy rain over much of the middle and upper St. Johns River Basin. Beginning on September 9th, water levels began to reach flood stage on the middle basin mainly around Geneva, and Sanford. Levels continued to rise well above flood stage and began to fall slightly until Hurricane Jeanne followed the same track across the state. Significant flooding followed with a record crest of 10.1 feet being reached at Lake Harney Gage. Many homes were flooded near Stone Island. |
| Countywide | 8/21/2008 | Flash Flood | 0/0 | $13,400,000 | As Tropical Storm Fay drifted north in the Volusia County offshore waters, hours of torrential rain fell across southern Volusia County. Close to 200 homes were flooded. The damage was nearly $13 million. Torrential rain from Tropical Storm Fay produced widespread flooding across Brevard and central and southern Volusia counties. |
| Deltona | 5/19/2009 | Flood | 0/0 | $68,600,000 | Multiple rounds of heavy rainfall over five days led to several feet of standing water in many areas of eastern Volusia County. Rainfall reached 18 to 28 inches in several coastal areas. |
| Ormond Beach | 5/22/2009 | Flash Flood | 0/0 | N/A | High levels of pre-existing flood waters were exacerbated as two to four inches of additional rainfall occurred in less than three hours. Standing water rose to three feet or higher in several locations. Flood waters entered additional homes. Flash flood damage estimates were included collectively in the five-day flood event from May 19-24. |
| Isleboro | 9/23/2014 | Flash Flood | 0/0 | $562,000 | A very moist atmosphere coupled with a series of upper-level disturbances resulted in several persistent rain bands. Significant urban and small stream flooding affected portions of Melbourne/Palm Bay and Lake Mary/Winter Park. Flash flooding resulted in rapid water accumulation in New Smyrna Beach and from Holly Hill to Daytona Beach to Port Orange, where numerous roadways became impassable and over 100 homes sustained damage from the rising flood waters. Rainfall totals during the 24-hour period of greatest impact reached 6-12 inches. Flood damage estimates within Volusia County were 3.65 million dollars. No injuries reported. |
| Holly Hill | 9/24/2014 | Flash Flood | 0/0 | $3,090,000 | Same as above. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Ormond-by-the-Sea | 10/6/2016 | Flood | 0/0 | $0 | Associated with Hurricane Matthew (see Hurricanes) |
| Seville | 9/10/2017 | Flood | 0/0 | $0 | Associated with Hurricane Irma. (see Hurricanes) |
| Ormond-by-the-Sea | 11/23/2017 | Flood | 0/0 | $0 | A strong thunderstorm embedded within a rain area ahead of a cold front intensified as it traveled quickly northeast across Volusia County. Mobile homes were damaged well inland in DeLand, then over 30 minutes later, the storm damaged mobile homes in Daytona Beach. |
| Daytona Beach | 11/5/2021 | Flood | 0/0 | $500,000 | A very slow-moving front produced persistent heavy rains across a portion of Volusia County. The total of twenty-four-hour rain totals were 6-10 inches, however most of the rain fell in less than 12 hours, impacting Daytona Beach and Port Orange. As much as 5-6 inches accumulated between 1500 and 1800 LST. Numerous roadways were flooded, with as much as 1-2 feet of standing water in some localized areas, resulting in road closures. |
| Volusia County | 9/28/2022 | Flood | 4/0 | $3,400,000 | Rainfall totals averaging between 10 to 16 inches, with locally higher amounts of up to 20 inches were reported particularly in the coastal part of the county, resulting in widespread residential, street, urban, and poor drainage flooding. A county damage assessment indicated 3554 structures affected, 2602 with minor damage, 645 with major damage, and 48 destroyed, mainly due to widespread and historic flooding. The combined effects of Hurricane Ian led to a total estimated damage of approximately $340M. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 11/08/2022 | Flood | 0/0 | $0 | Rainfall totals of 3-6 inches, which fell between 0700EST on the 8th and 1500EST on the 10th led to generally nuisance type to minor street flooding across portions of Volusia County. The St. Johns River at Astor, which was already in moderate flood stage due to the remnant effects of Hurricane Ian, experienced water level rises as early as the 8th due to increasing north to northeast winds impeding the river's flow. Renewed flooding was reported along numerous streets and communities along the river in Astor. At DeLand, already in minor flood stage, river gauges recorded a rise into moderate flood stage on the 9th. |
| West Holly Hill | 9/30/2023 | Flood | 0/0 | $0 | Volusia County Fire Rescue reported flooding of several areas in Ormond Beach due to excessive rainfall. |
| Ormond Beach | 9/30/2023 | Flood | 0/0 | $0 | Heavy rainfall led to flooding in Ormond Beach in Volusia County. |
| Volusia County | 10/10/2024 | Flood | 0/0 | $240,000,000 | Volusia County Emergency Management reported significant urban, street, and low-lying flooding as a result of 6 to 12 inches of rain in association with Hurricane Milton. A period of very heavy rainfall rates associated with the core of the storm led to flash flooding during the overnight period (Oct 9 - 10). The heavy rain that fell as a result of the storm also led to a long-term river flood event along the St. Johns with the river near Geneva entering major flood on Oct 14, peaking at 10.15 feet on Oct 15. At DeLand, the river rapidly rose to major flood stage on Oct 11, peaking at 5.49 ft on Oct. 14. Downstream at Astor, the river was already in a minor flood stage at the beginning of the event and quickly rose to major the morning of Oct 10, peaking at 4.81 ft on Oct 12, a new record for the site. |

Source: National Climatic Data Center[17]

***NOTE: ALL HISTORICAL OCCURRENCES IN THIS REPORT ARE THE MOST RECENT AS DOCUMENTED BY THE NATIONAL CLIMATIC DATA CENTER***

According to the emergency management officials from the Volusia County jurisdictions, another significant flood occurred during the Memorial Day Weekend in May 2009 that was not included in the

[17]https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=%28Z%29+Flood&beginDate_mm=05&beginDate_dd=01&beginDate_yyyy=2017&endDate_mm=05&endDate_dd=31&endDate_yyyy=2024&county=VOLUSIA%3A127&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=12%2CFLORIDA

NCDC database. This event caused high rains and four feet of storm surge. There was approximately $68 million in damage along the coastline from Ormond Beach to New Smyrna Beach. Approximately 1,000, infrastructure and various critical facilities were damaged. Daytona Beach, alone, had approximately 650 damaged homes.

## Historical Summary of Insured Flood Losses

All jurisdictions in Volusia County participate in the National Flood Insurance Program (NFIP). **Section 5: Table 6** provides flood insurance policy and claim summary information for each of the participating jurisdictions. The reported losses include both inland (freshwater) and coastal flooding events. It should be emphasized that these numbers include only those losses to structures that were insured through the NFIP policies, and for losses in which claims were sought and received. It is likely that many additional instances of flood losses in Volusia County were either uninsured, denied claims payment, or not reported.

**Section 5: Table 6: NFIP Policy and Claim Information**

| JURISDICTION | TOTAL CLAIMS SINCE 1978 | TOTAL PAID SINCE 1978 |
|---|---|---|
| Daytona Beach | 1,701 | $81,477,671 |
| Daytona Beach Shores | 175 | $3,778,724 |
| DeBary | 108 | $4,846,401 |
| DeLand | 19 | $363,712 |
| Deltona | 125 | $3,178,258 |
| Edgewater | 252 | $7,528,013 |
| Holly Hill | 400 | $10,505,116 |
| Lake Helen | 3 | $14,481 |
| New Smyrna Beach | 1,229 | $50,878,748 |
| Oak Hill | 18 | $554,185 |
| Orange City | 19 | $946,274 |
| Ormond Beach | 768 | $11,608,018 |
| Pierson | 1 | $8,834 |
| Ponce Inlet | 255 | $7,965,454 |
| Port Orange | 1,451 | $62,222,337 |
| South Daytona | 1,088 | $54,614,519 |
| Volusia County | 2,391 | $68,055,722 |
| **TOTAL** | **10,003** | **$368,546,467** |

Source: Volusia County Growth Management, FEMA (as of 01/27/2025)

## Repetitive Loss Properties

FEMA defines a repetitive loss property as any insurable building for which two or more claims of more than $1,000 were paid by the NFIP within any rolling 10-year period, since 1978. A repetitive loss property may or may not be currently insured by the NFIP. Currently there are over 122,000 repetitive loss properties nationwide.

According to Volusia County repetitive loss property records (as of January 2025), there are over 1,000 repetitive loss properties located in Volusia County. Without mitigation, these properties will likely continue to experience flood losses. **Section 5: Figure 10** displays the general location of RL properties.

**Section 5: Table 7: Repetitive Loss Properties Information**

| JURISDICTION | NUMBER OF RL PROPERTIES | | |
|---|---|---|---|
| | TOTAL | NUMBER OF Structures BY LAND USE (Data provided by jurisdictions in 2025) | LOSSES BY LAND USE (Data provided by jurisdictions in 2020 LMS update) |
| Daytona Beach | 273 | 226 residential, 47 commercial | 2 residential |
| Daytona Beach Shores | 11 | 6 residential, 5 commercial | NONE |
| DeBary | 20 | 13 residential, 5 commercial, 2 government | NONE |
| DeLand | 2 | 2 residential | 10 residential |
| Deltona | 13 | 13 residential | NONE |
| Edgewater | 24 | 24 residential | 1 residential |
| Holly Hill | 72 | 72 residential | 1 residential |
| Lake Helen | 5 | 5 residential | NONE |
| New Smyrna Beach | 116 | 110 residential, 6 commercial | 18 residential |
| Oak Hill | 0 | 0 | NONE |
| Orange City | 45 | 39 residential, 6 commercial | NONE |
| Ormond Beach | 37 | 37 residential | 24 residential |
| Pierson | 0 | 0 | NONE |
| Ponce Inlet | 15 | 15 residential | NONE |
| Port Orange | 355 | 347 residential, 4 commercial, 4 government | 4 residential |
| South Daytona | 411 | 402 residential, 9 commercial | 2 residential |
| Volusia County | 208 | 204 residential, 4 commercial | 13 residential |

Source: Individual jurisdictions, FEMA

Not all jurisdictions have severe repetitive loss properties. Those that have them identified for the 2025 update are:

- Port Orange, 50 Residential

## Probability of Future Occurrences

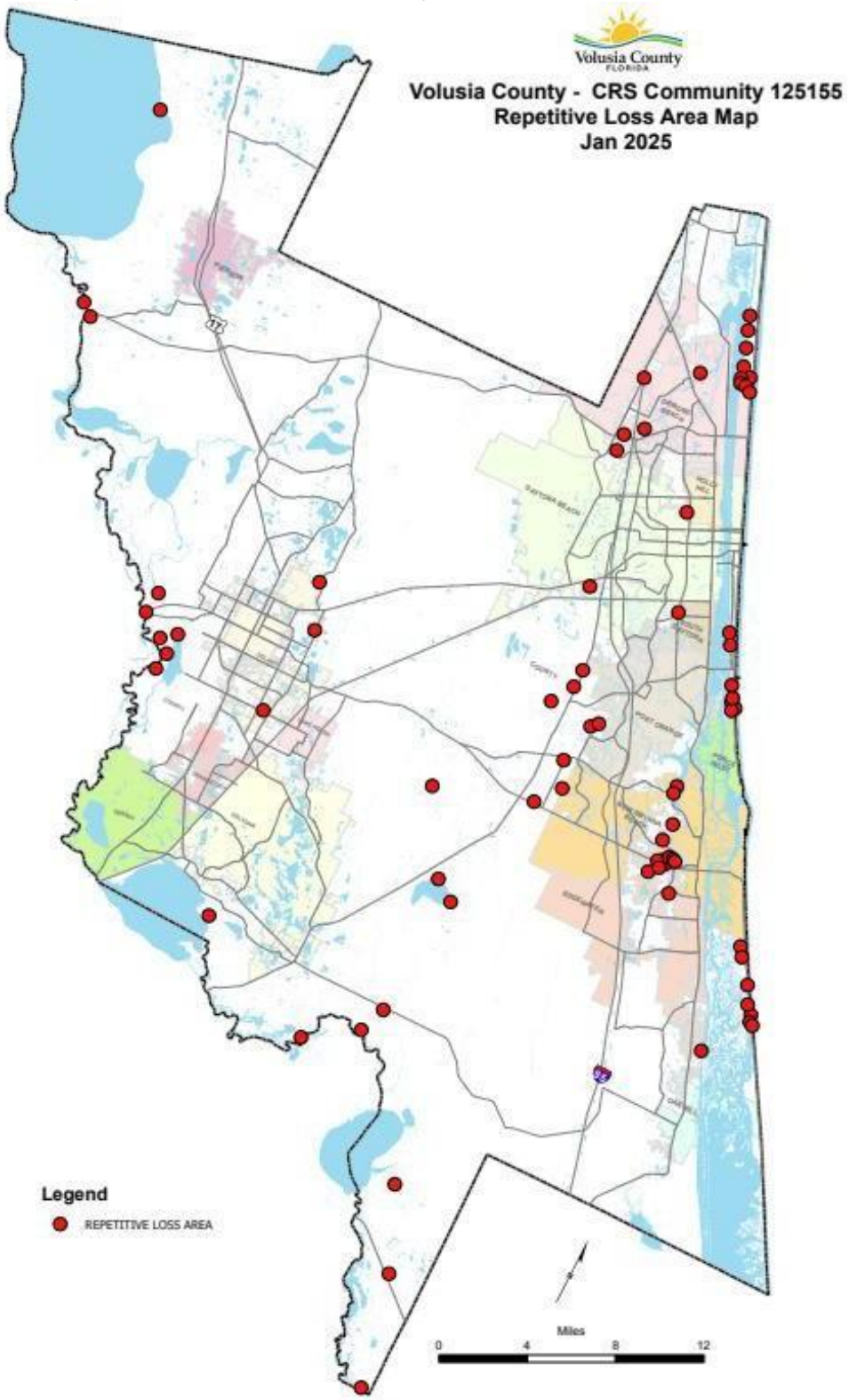
Flood events will remain a frequent occurrence in Volusia County, and the probability of future occurrences is high. The probability of future flood events based on magnitude and according to best

available data is illustrated in Figure 5.10, which indicates those areas susceptible to the 1 percent annual chance flood (100-year floodplain); the 1 percent annual chance flood with wave action (100-year coastal floodplain); and the 0.2 percent annual chance flood (500-year floodplain). Further, as described in other hazard profiles, it is highly likely that Volusia County will continue to experience inland and coastal flooding associated with large tropical storms, hurricanes and storm surge events.

Anticipated sea level rise will increase the probability and intensity of future tidal flooding. Rising sea level over time will decrease the return period (increasing the frequency) of significant flood events. For example, sea level rise of 1 foot over a typical project analysis period (50 years) may cause a flood event currently of annual probability of 2 percent (50-year flood) to become an event of 10 percent annual probability (10-year flood). This rise in sea level will increase the probability of the loss of coastal wetlands and erosion of sandy beaches that act as protective buffers against flood events.

There are repetitive loss properties within 13 of the 16 jurisdictions within Volusia County. This includes 1,280 properties in total. Countywide distribution of repetitive loss properties is somewhat weighted to the east, as a majority of the repetitive loss properties in the county are in Port Orange, South Daytona, and Daytona Beach. The western side of the county also has several repetitive loss properties, most notably the cluster within the Stone Island residential area in the southwestern portion of the county. Data collected showed that many properties have not undergone mitigation efforts; however, there is insufficient data to measure an actual percentage for the entire county.

**Section 5: Figure 10: Repetitive Loss Areas in Volusia County**




Source: Volusia County GIS

## 5.8 PUBLIC HEALTH EMERGENCY

### Background

Public heath emergencies may be accidental, natural, or intentional. Under section 319 of the Public Health Service Act (42 U.S.C § 319), the Secretary of the Department of Health and Human Services (HSS) can declare a public health emergency.

Public health is the science and art of preventing disease, prolonging life, and promoting health through organized efforts and informed choices of society, organizations, the public, private communities, and individuals. According to the Centers for Disease Control and Prevention (CDC), disease outbreaks are identified by the occurrence of more cases of disease(s) than normally expected within a specific place, or among a group of people over a specified period of time. Potential health threats come from an increasing range of health hazards, including infectious diseases, HazMat incidents, food contamination, and threats associated with climate change including extreme weather events. Public health emergencies include medical surges (often from mass casualty events) that require hospitals to act beyond normal capacity. Pandemics are included in this category.

### Location and Spatial Extent

All Volusia County residents face risks associated with public health emergencies. Risk factors, including income, gender, age, migration, health/nutritional status, displacement, and unplanned urbanization, increase people's exposure and vulnerability to these threats and hazards.

All Volusia County residents are at risk of public health emergencies such as pandemic influenza, pneumonic plague, epidemic, food contamination, etc. Youth (under 18) and the elderly (over 65) are especially vulnerable as their immune systems are more susceptible. Risks may also be increased in people of any age who have other serious health problems — such as heart or lung conditions, weakened immune systems, obesity, or diabetes. This is similar to what is seen with respiratory illnesses, such as the flu (influenza) and COVID-19.

### Historical Occurrences

In 2016 and 2017 the Zika Virus cases were on the rise and led to several birth defects. In October of 2022, Dengue was reported in a Volusia County resident. In June 2023, four cases of Malaria were reported, treated, and recovered in Sarasota, Florida. Although rare, there have also been cases of West Nile Virus that led to encephalitis in the County.

Then in March 2020, the first cases of COVID-19 were reported in Florida. On March 11, 2020, the World Health Organization (WHO) officially declared COVID-19 a pandemic. By April, the governor had declared an executive order to restrict activities within the state unless deemed essential. The pandemic was declared over in May 2023, but continues to impact Florida's population through the time this plan was published.

### Probability of Future Occurrences

Public health emergencies are expected to increase. Volusia County and the surrounding areas bring many tourists, which can be a contributor to the spread of health concerns or diseases. Although international

travel is a contributing factor, climate change and a growing population will continue to influence public health.

## 5.9 RISING COASTAL WATERS

### Background

Rising coastal waters is a hazard that refers to unprecedented water levels along the coast, usually leading to inland affects. This hazard encompasses:

- **Storm Surge**: Storm surge occurs when the water level of a tidally influenced body of water increases above the normal astronomical high tide and is most common in conjunction with coastal storms with massive low-pressure systems with cyclonic flows such as hurricanes, tropical storms and nor'easters. The low barometric pressure associated with these storms causes the water surface to rise, and storms making landfall during peak tides have surge heights and more extensive flood inundation limits. Storm surges will inundate coastal floodplains by dune over wash, tidal elevation rise in inland bays and harbors, and backwater flooding through coastal river mouths. The duration of a storm is the most influential factor affecting the severity and impact of storm surges.
- **Sea Level Rise (SLR)**: Sea level rise is caused by warming of the earth's climate, the associated thermal expansion of water molecules, and generally impacts coastal, lagoon-adjacent and river-adjacent areas that are hydrologically connected to the ocean.
- **Tsunami**: In the open ocean, tsunami waves travel at speeds of up to 600 miles per hour but are too small to be observed, and the time between wave crests may be five to 90 minutes. As the waves approach shallow coastal waters, they slow down and may rise to several feet or, in rare cases, tens of feet. Although the waves slow down as they reach shallow water, the energy remains constant and when tsunami waves crash into the shoreline they may be as high as 100 feet. The first wave is almost never the largest; successive waves may be spaced tens of minutes apart and continue arriving for many hours. The coastal areas at greatest risk are less than 50 feet above sea level and within one mile of the shoreline. Tsunamis can cause great loss of life and property damage where they come ashore, and most tsunami deaths are the result of drowning. Associated risks include water pollution, damaged gas lines, and flooding.

### Location and Spatial Extent

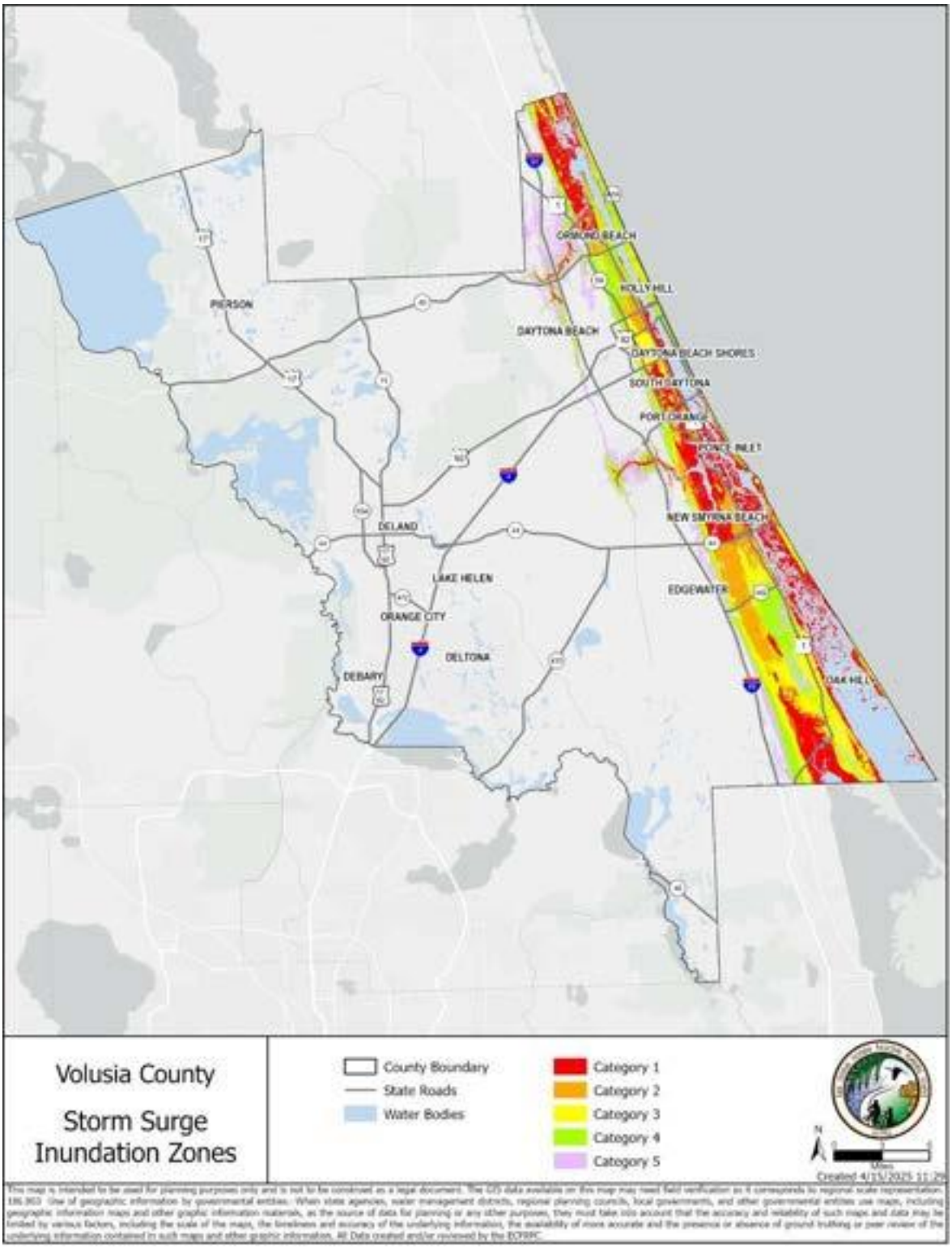
All of Volusia County and its jurisdictions are subject to rising coastal water inundation. Municipalities such as Ormond Beach, Holly Hill, Daytona Beach, Daytona Beach Shores, South Daytona, Port Orange, Ponce Inlet, New Smyrna Beach, Edgewater, and Oak Hill are most susceptible to rising coastal waters given their proximity to the coast.

- **Storm Surge**: As shown in **Section 5 Figure 11**, the entire east side of Volusia County is at high risk of storm surge inundation in addition to most riverine floodplains along major rivers in southern portions of the area. While areas not located immediately along the coast or major rivers may not be directly impacted by storm surge inundation except in extreme storm events, they might experience flooding caused by storm surge and extremely high tides that affect the drainage of areas further inland.
- **Sea Level Rise**: In Volusia County, areas susceptible to sea level rise include jurisdictions in close proximity to the Atlantic Ocean, the Indian River Lagoon, the Halifax River, the St. Johns River, and smaller riverine systems that provide hydro connectivity into the interior of the County. The extent of sea level rise would go beyond coastal communities, like Ormond Beach and New Smyrna Beach. Inland communities along waterways, such Astor and DeLand, will be impacted

during periods of high-water inundation since the water systems will be over capacity and exiting the system at slower rates.

- **Tsunami**: Tsunami activity is a greater risk along the Pacific Rim states (Washington, Oregon, California, Alaska, and Hawaii), but is still possible along the East Coast of the United States. In fact, as many as 40 tsunami or tsunami-like events have been reported along the East Coast since the early 1600s. Additionally, models and methodologies do not currently exist to accurately assess the tsunami hazard as it would relate to an inland community along the East Coast. The potential location and extent of the tsunami hazard for Volusia County is similar and slightly more extensive than the established flood hazard area. A tsunami event could cover all of Volusia County based on severity. However, the coastal jurisdictions are most at risk. The areas of Volusia County most at risk of a tsunami hazard are similar to those of storm surge and sea level rise. A tsunami's extent could go beyond the coastal areas, although they are at the greatest risk. High velocity waves that could cause severe catastrophic damage to structures and infrastructure. Its extent could result in massive amounts of vegetative and construction debris, boats would be washed ashore, impacted buildings could collapse, trees could be uprooted, above ground power poles and lines could collapse, and underground utilities could be unearthed and destroyed.

**Section 5: Figure 11: Current Day Storm Surge Predications Based on Hurricane Category**




Source: ECFRPC, NOAA

## Historical Occurrences

Volusia County has experienced numerous rising water events associated with hurricanes, nor'easters and tropical storms. Water can rise to exceptional levels during hurricanes, storm surge, flash flood and thunderstorm conditions.

- **Storm Surge**: Water levels from storm surge have historically risen to 6 feet within Volusia County following one of these events, with increased water heights for coastal communities due to Florida's semidiurnal tides. Roadway flooding has been seen rising between 1 and 5 feet. Hurricane Nicole in 2022 produced an impactful storm surge along a large portion of the east coast of Florida, battering beaches with elevated water levels and wave action. Florida was previously hit by Hurricane Ian in late September which caused beach erosion along the east coast and freshwater flooding from rainfall in rivers and canals. The impact of Ian likely left the area more vulnerable to storm surge from Nicole. Additionally, Nicole's large wind field and its initial subtropical characteristics increased the potential for widespread wave and storm surge impacts. Port Orange, South Daytona, Ormond Beach, and Daytona Beach were most impacted during Hurricane Nicole, however most of this was from the tides increasing and influencing the intracoastal waterways. Please refer to the Hurricane Historical Occurrences listing for more information.
- **Sea Level Rise**: Sea level rise is currently impacting south and central Florida, with nearshore, high-tide flooding becoming a more frequent sea level rise-associated hazard in some locations. Historical occurrences of sea level rise are not easy to measure due to a lack of data existing from the early 20th Century as well as the time period of two epochs (38 years) needed to calculate the mean impacts of sea level rise, by location. According to U.S.SealevelChange.gov, Florida has seen 7 inches in sea level rise since 1970., As data collection and monitoring improve, the ability for the County to track historical occurrences will improve. One indicator of sea level rise is the frequency or nearshore, high tide flood events, also known as nuisance flooding. In 2016, a NOAA study found that nuisance flooding frequency was increasing to the north and south of Volusia County (in Mayport, FL; Fernandina Beach, FL; and Key West, FL). It is expected that these events will continue to increase in frequency in the future.
- **Tsunami**: In August 2008, a qualitative tsunami hazard assessment prepared by NOAA and USGS indicated that the U.S. Atlantic coast has a very low tsunami risk[18]. This qualitative assessment was based on National Geophysical Data Center (NGDC) and United States Geological Survey (USGS) databases. Specifically, Atlantic coast tsunami vulnerability was deemed very low based on very low wave runup, low tsunami hazard frequency, and no reported fatalities. Although an East Coast tsunami would be rare, two offshore areas are currently under investigation according to a 2002 National Geophysical Data Center report. One area of interest consists of large cracks northeast of Cape Hatteras, North Carolina that could foretell the early stages of an underwater landslide resulting in a tsunami. The other area of interest consists of submarine canyons approximately 150 kilometers from Atlantic City, New Jersey. Significant factors for consideration regarding these areas are recent discoveries along the East Coast that demonstrate the existence of pressurized hydrates and pressurized water layers on the continental shelf. This has produced speculation among the scientific community on possible triggers that could cause sudden and perhaps violent releases of compressed material that could factor into landslide events and the resulting tsunami waves. Although different from a tsunami, a rogue wave is relatively large (i.e., larger in height than a tsunami) and spontaneous ocean waves can cause similar impacts.

[18] NOAA and USGS. 2008. *U.S. States and Territories National Tsunami Hazard Assessment: Historical Record and Sources for Waves.* August 2008.

Although a defined tsunami has not impacted Volusia County, On July 3, 1992, a 27-mile-long, 18-foot rogue wave came onshore between Ormond Beach to New Smyrna Beach, centered at Daytona Beach. Sailboats crashed ashore, 200 cars were damaged and approximately 75 people were injured resulting in two hospitalizations. It is theorized that an underwater landslide caused the rogue wave, potentially categorizing this wave as a type of tsunami, or it was the result of a squall line.

## Probability of Future Occurrences

There is a high probability that Volusia County will continue to experience rising coastal water associated with large tropical storms, hurricanes and squalls combined with high tides, based on the frequency of tropical cyclones as shown in **Section 5 Figure 13 and 14.**

As noted in previous sections (under Flood), anticipated sea level rise will increase the probability and intensity of future storm surge events. This rise in sea level will increase the probability and intensity of rising coastal water events but will also contribute to the loss of coastal wetlands and erosion of sand beaches that act as protective buffers against storm surge events. The National Oceanic and Atmospheric Administration (NOAA) and the U.S. Army Corps of Engineers have published numerous “sea level rise curves” that project the future impacts of sea level rise, in feet. The following sea level rise curves are being used to assess the potential impacts of sea level rise by municipalities in Volusia County.

**Section 5: Figure 12: Sea Level Rise Projections**



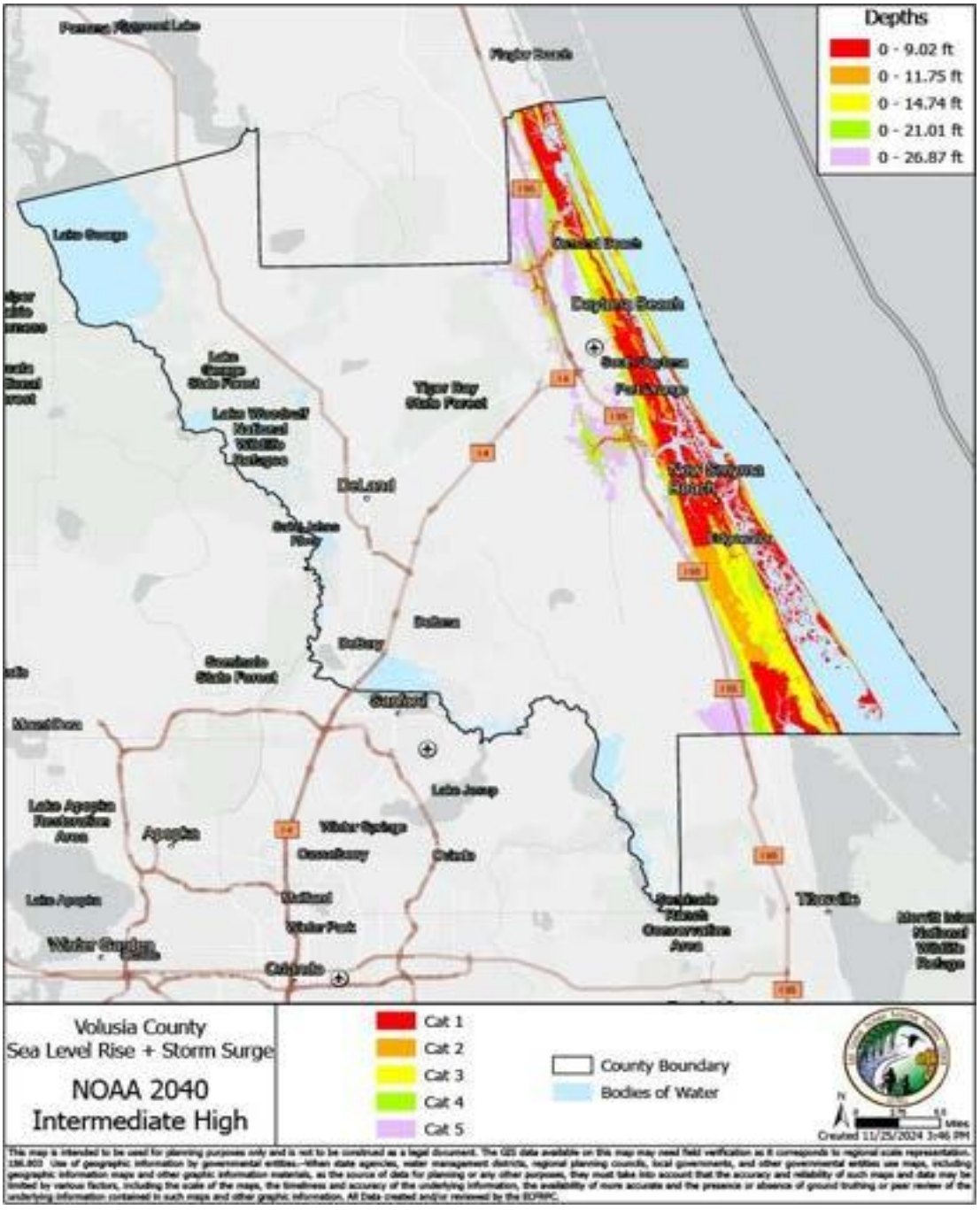

The probability of future storm surge events is dependent on the probability of future hurricanes and tropical storm events for Volusia County. According to NOAA statistical data, Volusia County is in an area with an annual probability of a named storm between 36 and 42 percent.

The probability of a future tsunami event affecting Volusia County is very low, as indicated in the 2008 NOAA-USGS tsunami hazards assessment. However, the consequences of even a moderate tsunami striking Volusia County would devastate lives, development, and the ability of the county to function.

The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts and that future mitigation and adaptation strategies related to this hazard

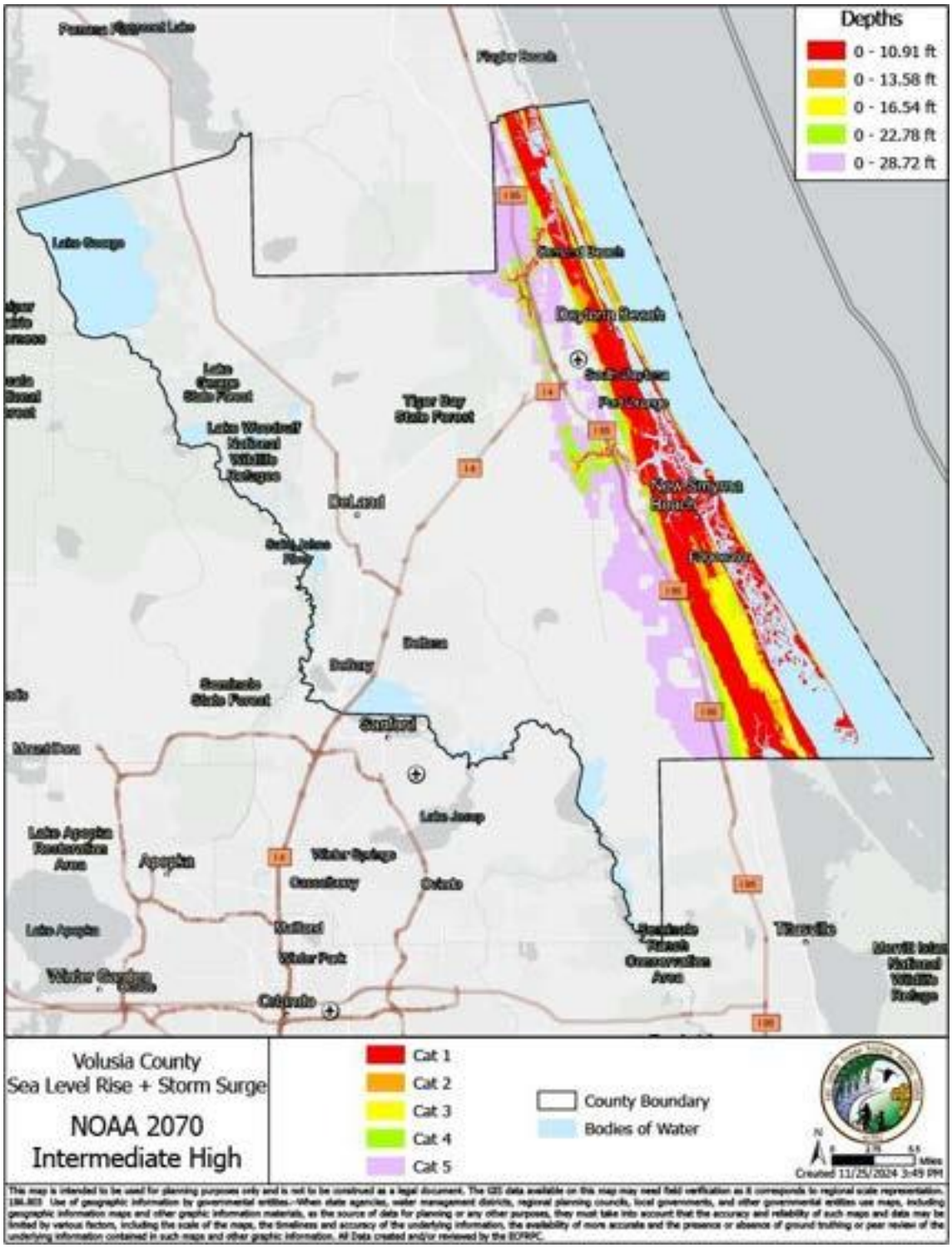
should be considered. The figures below represent the NOAA intermediate high projection for rising coastal waters in 2040 and 2070 with storm surge.

**Section 5: Figure 13: 2040 Intermediate High Storm Surge**




Source: ECFRPC, Volusia County Vulnerability Assessment

**Section 5: Figure 14: 2070 Intermediate High Storm Surge**




Source: ECFRPC, Volusia County Vulnerability Assessment

## 5.10 SEVERE WEATHER

### Background

Severe weather refers to any significant or intense weather conditions that can cause damage, disruption, or pose a threat to safety. It encompasses a range of phenomena that are more extreme than typical weather conditions. Volusia County experiences severe weather in a variety of ways.

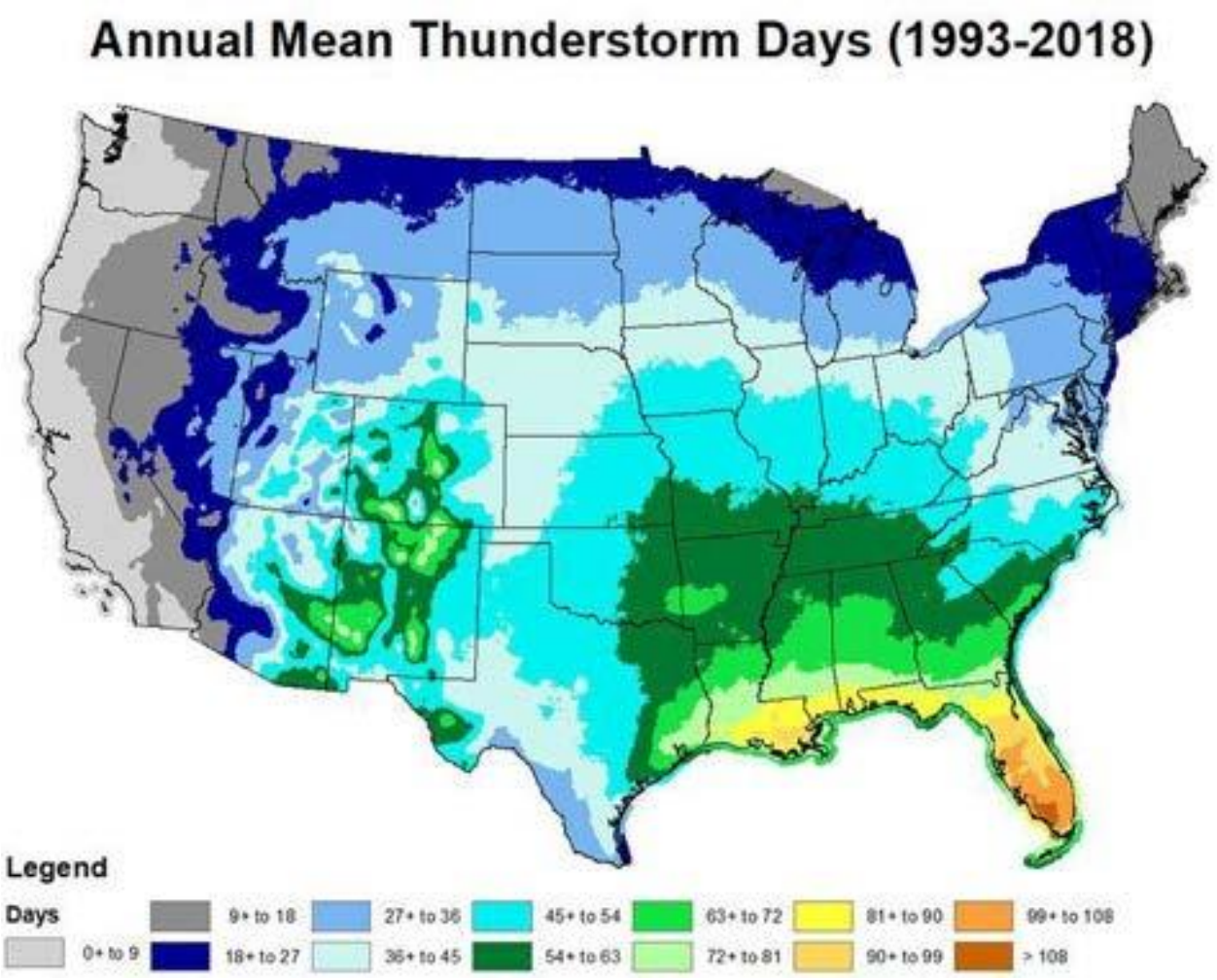
- **Hail** frequently accompanies thunderstorms and has potential to cause substantial damage. Early in the developmental stages of hail, ice crystals form within a low-pressure front due to the rapid rise of warm air into the upper atmosphere and the subsequent cooling of the air mass. Frozen droplets gradually accumulate on the ice crystals until they develop sufficient weight to fall as precipitation. Hail precipitation falls in spheres or irregularly shaped masses greater than 0.75 inches in diameter. The size of hailstones is a direct function of the size and severity of the storm. High velocity updraft winds are required to keep hail in suspension in thunderclouds. The strength of the updraft is a function of the intensity of heating at the Earth's surface. Higher temperature gradients relative to elevation above the surface result in increased suspension time and hailstone size.
- **Lightning** is a discharge of electrical energy resulting from the buildup of positive and negative charges within a thunderstorm, creating a "bolt" when the buildup of charges becomes strong enough. This flash of light usually occurs within the clouds or between the clouds and the ground. A bolt of lightning can reach temperatures approaching 50,000 degrees Fahrenheit. Lightning rapidly heats the sky as it flashes but the surrounding air cools following the bolt. This rapid heating and cooling of the surrounding air causes thunder which often accompanies lightning strikes. While most often affiliated with severe thunderstorms, lightning often strikes outside of heavy rain and might occur as far as 10 miles away from any rainfall.
    - According to FEMA, an average of 300 people are injured and 80 people are killed in the United States each year by lightning. Direct lightning strikes also can cause significant damage to buildings, critical facilities, and infrastructure. Lightning is also responsible for igniting wildfires that can result in widespread damage to property before firefighters have the ability to contain and suppress the resultant fire[19].
- **Thunderstorms** are common throughout Florida and occur throughout the year. Although thunderstorms generally affect a small area, they are very dangerous given their ability to produce accompanying hazards including high winds, hail, and lightning which all may cause serious injury or death, in addition to property damage[20].
    - According to the National Weather Service, more than 100,000 thunderstorms occur each year, though only about 10 percent of these storms are classified as "severe." A severe thunderstorm occurs when the storm produces one of three elements: 1) Hail of three-quarters of an inch; 2) Tornado; 3) Winds of at least 58 miles per hour.
    - Three conditions need to occur for a thunderstorm to form. First, it needs moisture to form clouds and rain. Second, it needs unstable air, such as warm air that can rise rapidly (this often referred to as the "engine" of the storm). Finally, thunderstorms need lift, which comes in the form of cold or warm fronts, sea breezes, mountains, or the sun's heat. When these conditions occur, air masses of varying temperatures meet, and a

[19]Wildfires are discussed in Section 5.14.
[20] Lightning and Hail are discussed in detail as separate hazards in this section.

thunderstorm is formed. These storm events can occur singularly, in lines, or in clusters. Further, they can move through an area very quickly or linger for several hours.

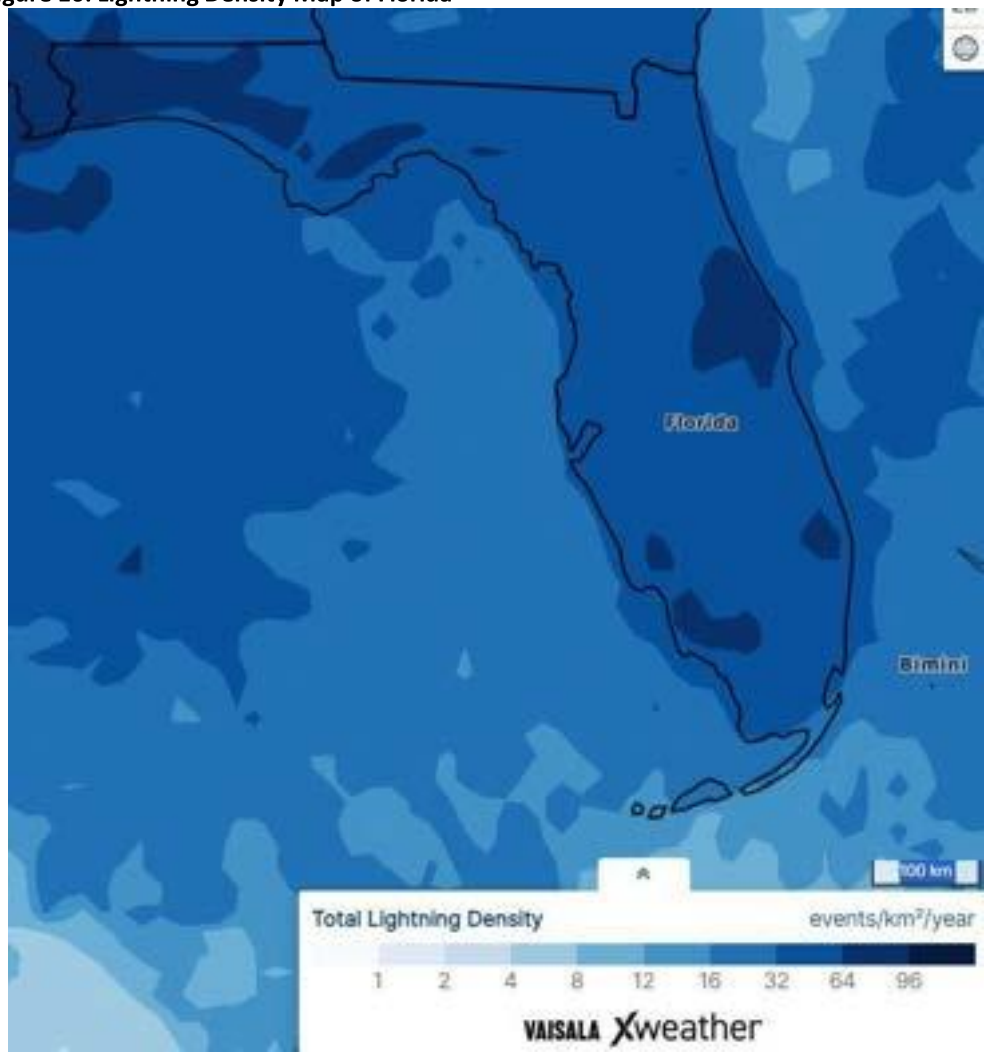
Severe weather can affect all jurisdictions within Volusia County and their duration can span from localized events (less than 10 minutes locally) to hours-long events (primarily in the case of hurricanes or large tropical systems).

**Section 5: Figure 15: Average Annual Number of Thunder Events**




Source: NOAA. 4/2023

**Section 5: Figure 16: Lightning Density Map of Florida**




Source: Vaisala U.S. National Lightning Detection Network 2024. https://interactive-lightning-map.vaisala.com/

## Location and Spatial Extent

Severe storms are common and impact the entirety of Volusia County. Volusia County and its jurisdictions are in a region of the country that is particularly susceptible to these types of events.

Hail is often produced during a thunderstorm event which has no geographic limitations on the area it affects. Therefore, it is assumed that all of Volusia County is uniformly at risk to hail events. Impacts typically include downed power lines and trees and damage to vehicles and mobile homes. In terms of extent for Volusia County, tennis ball-sized hail (2.5-inch diameter based on NOAA hail conversions) has been observed on many occasions within Volusia County and is a probable occurrence on an annual basis. Larger hail conditions are less likely, but possible. The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts from hail and that future mitigation and adaptation strategies related to this hazard should be considered.

Lightning occurs randomly and is, therefore, impossible to predict where it will strike. It is assumed that all of Volusia County is uniformly exposed to lightning which strikes in very small, specific geographic areas. Impacts from lightning have included deaths and injuries, damage to electrical systems, and fires that have destroyed residential and commercial property. The most threatening and common type of lightning is cloud-to-ground lightning, where the extent of the threat causes lightning to make contact with whatever object is below. **Section 5 Figure 16** displays the spatial extent of the hazard.

Severe thunderstorms and their related hazardous elements (including lightning, hail, and straight-line winds) are not confined to any geographical boundaries and typically are widespread events. Thunderstorms can occur in all regions of the United States, but they are most common in the central and southern states because atmospheric conditions in those regions are favorable for generating these powerful storms as shown in **Section 5 Figure 15**. Therefore, it is assumed that Volusia County would be uniformly exposed to these hazards and that the extent of that impact would potentially be large. The extent of thunderstorm severity varies on an event-by-event-basis and is generally subject to the atmospheric conditions present at the time. While light thunderstorms are more common in frequency, severe thunderstorms (with associated Severe Thunderstorm Warnings) which include the added impacts of lightning and (more rarely) hail occur several times per year in Volusia County. The extent of severe thunderstorms are watches and warnings. A Severe Thunderstorm Watch is issued when severe thunderstorms are possible in and near the watch area. It does not mean that they will occur. It only means they are possible. A Severe Thunderstorm Warning is issued when severe thunderstorms are occurring or are imminent in the warning area.

## Historical Occurrences

According to the National Climatic Data Center, there have been numerous recorded hail events in Volusia County as shown in **Section 5: Table 8**[21]. Hail sizes for these events range from 1.00 inches to 2.75 inches in diameter. The emergency management officials from the Volusia County jurisdiction determined that only hail that was greater than one inch in diameter was to be listed.

**Section 5: Table 8: Historical Hail Impacts**

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 8/16/1963 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 2/7/1971 | 2.75 | 0/0 | $0 | Not Available |
| Volusia County | 3/13/1971 | 1.75 | 0/0 | $0 | Not Available |
| Volusia County | 5/29/1971 | 1.75 | 0/0 | $0 | Not Available |
| Volusia County | 4/4/1973 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 6/10/1975 | 1.75 | 0/0 | $0 | Not Available |
| Volusia County | 5/12/1976 | 1.50 | 0/0 | $0 | Not Available |
| Volusia County | 4/18/1978 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 4/8/1982 | 1.50 | 0/0 | $0 | Not Available |
| Volusia County | 4/29/1982 | 1.75 | 0/0 | $0 | Not Available |

[21] A Hail event that affects several jurisdictions on the same day is classified as a single event.

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 6/8/1985 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 6/18/1987 | 1.75 | 0/0 | $0 | Not Available |
| Volusia County | 5/24/1988 | 1.50 | 0/0 | $0 | Not Available |
| Volusia County | 2/21/1989 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 3/23/1989 | 1.25 | 0/0 | $0 | Not Available |
| Volusia County | 5/1/1989 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 6/26/1990 | 1.00 | 0/0 | $0 | Not Available |
| Volusia County | 5/2/1992 | 1.00 | 0/0 | $0 | Not Available |
| Edgewater | 1/11/1993 | 1.50 | 0/0 | $77,700 | Strong downburst winds damaged 9 mobile homes. Most had aluminum awnings, carports, and family rooms ripped away. Trees and power lines were down. Up to golf ball-sized hail also fell. |
| Daytona Beach | 3/31/1993 | 1.75 | 0/0 | $0 | Golf ball-sized hail fell at the Daytona Beach Airport. |
| Daytona Beach | 6/19/1995 | 2.50 | 0/0 | $36,809 | Severe thunderstorms blew down dozens of trees in Deltona and produced one inch-diameter hail. |
| Daytona Beach | 3/28/1996 | 1.75 | 0/0 | $0 | Strong downburst winds blew down trees destroyed a pool screen and produced two and one-half-inch-diameter hail in the Spruce Creek Village. |
| Barberville | 6/15/1996 | 1.00 | 0/0 | $0 | Hail the size of quarters fell in Barberville, while quarter-sized hail fell in DeBary. |
| DeBary | 6/15/1996 | 1.00 | 0/0 | $0 | |
| Daytona Beach | 8/25/1996 | 1.00 | 0/0 | $0 | Not Available |
| Deltona | 7/7/1997 | 1.00 | 0/0 | $0 | Not Available |
| DeBary | 8/13/1997 | 1.00 | 0/0 | $0 | Not Available |
| Deltona | 2/28/1998 | 1.00 | 0/0 | $0 | Not Available |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| DeLand | 3/20/1998 | 1.25 | 0/0 | $0 | Not Available |
| New Smyrna Beach | 3/20/1998 | 1.00 | 0/0 | $0 | |
| Daytona Beach | 6/25/1998 | 1.75 | 0/0 | $0 | Not Available |
| Port Orange | 1/9/1999 | 1.00 | 0/0 | $4,032 | A few mobile homes were damaged by falling trees and quarter-sized hail in Port Orange. |
| Pierson | 5/6/1999 | 1.75 | 0/0 | $0 | Not Available |
| Orange City | 5/9/1999 | 1.75 | 0/0 | $0 | Not Available |
| Oak Hill | 4/15/2000 | 1.00 | 0/0 | $0 | Not Available |
| DeLand | 9/19/2000 | 1.75 | 0/0 | $0 | Not Available |
| Oak Hill | 3/29/2001 | 1.00 | 0/0 | $0 | Not Available |
| DeLand | 3/31/2001 | 1.00 | 0/0 | $0 | Not Available |
| New Smyrna Beach | 8/21/2001 | 1.00 | 0/0 | $0 | Not Available |
| Deltona | 3/19/2003 | 1.00 | 0/0 | $0 | Not Available |
| DeLand | 4/25/2003 | 1.00 | 0/0 | $0 | Not Available |
| DeLand | 7/18/2003 | 1.00 | 0/0 | $0 | Not Available |
| Oak Hill | 7/21/2003 | 1.00 | 0/0 | $0 | Not Available |
| DeLand | 10/7/2003 | 1.00 | 0/0 | $0 | Not Available |
| Port Orange | 7/8/2004 | 2.00 | 0/0 | $0 | Not Available |
| Maytown | 10/19/2004 | 1.00 | 0/0 | $0 | Not Available |
| Seville | 3/25/2005 | 1.00 | 0/0 | $0 | Not Available |
| Daytona Beach | 5/4/2005 | 1.75 | 0/0 | $112,551 | Not Available |
| Holly Hill | 6/28/2006 | 1.75 | 0/0 | $0 | Not Available |
| DeLand | 7/17/2006 | 1.00 | 0/0 | $0 | Not Available |
| Glencoe | 3/7/2008 | 1.00 | 0/0 | $0 | A cold front moving across central Florida produced a line of thunderstorms that moved southeast across the area. One inch hail was reported in Port Orange. Quarter size hail was reported at Interstate 95 and Highway SR44, near Glencoe, and in Daytona Beach. The public reported nickel size hail in Deltona. |
| Port Orange | 3/7/2008 | 1.00 | 0/0 | $0 | |
| Daytona Beach | 3/7/2008 | 1.00 | 0/0 | $0 | |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Seville | 7/5/2008 | 1.00 | 0/0 | $0 | Quarter-sized hail was reported. A sea breeze thunderstorm produced hail and wind gusts in interior parts of E.C.F. |
| Seville | 6/13/2009 | 1.00 | 0/0 | $0 | Numerous strong storms developed over east central Florida, with a few strengthening to severe levels and producing wind damage and large hail. |
| DeLeon Springs | 3/31/2009 | 1.00 | 0/0 | $0 | A northward-lifting warm front combined with active sea breeze boundaries within an unstable atmosphere produced several severe thunderstorms with nickel to quarter sized hail and localized severe winds. |
| Ponce Park | 2/22/2010 | 1.00 | 0/0 | $0 | Isolated thunderstorms developed in an unstable environment well ahead of a cold front. One of the storms became strong and produced small hail as it moved east out of the Ocala National Forest. The storm strengthened as it approached the coast, producing large hail on the barrier island east of central Daytona Beach. |
| Harbor Point | 5/13/2011 | 1.00 | 0/0 | $0 | The collision of the east and west coast sea breezes formed a broken line of thunderstorms across East Central Florida. A couple of these pulse storms became severe in Orange and Volusia Counties. |
| Ormond by the Sea | 3/31/2011 | 1.00 | 0/0 | $0 | A pre-frontal squall line moved rapidly across central Florida, bringing strong to severe thunderstorms with large hail and funnel clouds. |
| Glencoe | 5/17/2012 | 1.75 | 0/0 | $0 | The east coast sea breeze formed in the early afternoon and |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | propagated inland, eventually colliding with the west coast sea breeze over the central peninsula. Storms moved to the east and northeast and produced large hail over Brevard and Volusia Counties. |
| Deltona | 4/20/2012 | 1.75 | 0/0 | $0 | Several severe thunderstorms occurred as low to mid-level southwest winds brought a warm and very moist air mass into east central Florida. Much cooler and drier air above this moisture laden air allowed for vigorous storm development which acted to produce severe wind gusts and hail in many of the thunderstorms that developed. |
| Barberville | 4/20/2012 | 1.25 | 0/0 | $0 | Several severe thunderstorms occurred as low to mid-level southwest winds brought a warm and very moist air mass into east central Florida. Much cooler and drier air above this moisture laden air allowed for vigorous storm development which acted to produce severe wind gusts and hail in many of the thunderstorms that developed. |
| DeBary | 4/20/2012 | 1.00 | 0/0 | $0 | Several severe thunderstorms occurred as low to mid-level southwest winds brought a warm and very moist air mass into east central Florida. Much cooler and drier air above this moisture laden air allowed for vigorous storm development which acted to produce severe wind gusts and hail in many of the thunderstorms that developed. |
| DeLand Osteen | 5/17/2012 | 0.75 (DeLand) 0.88 (Osteen) | 0/0 | $0 | The east coast sea breeze formed in the early afternoon and |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Glencoe | | 1.75 (Glencoe) | | | propagated inland, eventually colliding with the west coast sea breeze over the central peninsula. Storms moved to the ENE, producing large hail over Volusia County. |
| Daytona Beach International Airport | 6/24/2014 | 0.88 | 0/0 | $0 | A thunderstorm developed rapidly along the east coast sea breeze over coastal Volusia County. |
| DeLeon Springs | 6/26/2014 | 0.88 | 0/0 | $0 | A weather spotter observed hail up to nickel size in De Leon Springs as a strong thunderstorm affected the area. |
| Deltona | 5/20/2015 | 1.00 | 0/0 | $0 | Strong thunderstorms developed over the mainland and became severe as they interacted with the east coast sea breeze over central Volusia and eastern Seminole County. Large hail, up to quarter-sized, was reported across sections of Deltona and Oviedo. |
| DeLeon Springs | 7/6/2015 | 0.75 | 0/0 | $0 | Thunderstorms developed along the west coast sea breeze and became strong as they approached Volusia County, producing small hail and some minor tree damage in De Leon Springs. |
| DeLeon Springs | 7/6/2016 | 1.00 | 0/0 | $0 | An isolated thunderstorm quickly became severe and hail up to quarter size as it moved slowly southeast across Deleon Springs. |
| Enterprise | 2/15/2017 | 0.88 | 0/0 | $0 | Scattered thunderstorms developed ahead of a strong cold front, bringing small hail to Enterprise in Volusia County. |
| Harbor Point New Smyrna Beach Enterprise | 6/1/2017 | 1.00 – 1.25 | 0/0 | $0 | A sea breeze collision produced a severe thunderstorm over east central Volusia County during the late afternoon. Several reports of quarter to half dollar sized hail |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | were received from Port Orange to New Smyrna Beach. |
| Enterprise | 7/20/2017 | 1.00 | 0/0 | $0 | A collision of the east and west coast sea breeze over the interior of Central Florida produced two severe thunderstorms that resulted in quarter-sized hail in Orange and Volusia Counties. A funnel cloud was also reported in Osceola County. |
| Ormond Beach DeLeon Springs Daytona Beach Holly Hill | 3/20/2018 | 1.00 – 2.00 | 0/0 | $0 | A deepening mid-level trough and associated strong cold front moved across north/central Florida. Conditions ahead and along the cold front were favorable for severe thunderstorms as 80-90 knot jet maxima produced sufficient upper level divergence. These conditions produced an enhanced risk of severe weather, sparking several rounds of severe thunderstorms, which affected Volusia, Seminole, Orange, Brevard and Okeechobee Counties. |
| New Smyrna Beach | 4/9/2019 | 0.88 | 0/0 | $0 | An area of low pressure and a weak cold front moved across central Florida sparking numerous showers and thunderstorms across the area. Deep moisture was in place across the area, and instability had increased through the day due to daytime heating. The instability, combined with lift associated with the approaching cold front and cold temperatures in the middle part of the atmosphere, allowed a few thunderstorms to become severe. In Volusia County, a strong storm produced nickel sized hail. In Seminole County, damaging winds caused numerous trees to be uprooted. In Brevard County, a |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | severe thunderstorm produced a strong wind gust at the Cape. |
| Deltona | 5/4/2019 | 0.75 – 1.00 | 0/0 | $0 | An area of high pressure located over the central Atlantic was the dominant feature affecting weather over central Florida. This led to west to southwest winds at the surface that pushed deep moisture from the Gulf across the area. Hot daytime temperatures, and cold temperatures in the middle atmosphere provided the necessary ingredients for strong to severe thunderstorms to develop. These storms developed along the sea breezes and outflow boundaries that were produced. One thunderstorm became severe in southwestern Volusia County where it produced hail and damaging winds. |
| Glencoe Hucomer | 5/31/2019 | 0.88 – 1.00 | 0/0 | $0 | The Atlantic high-pressure ridge located south of Florida resulted in southwest winds across central Florida. This pushed deep moisture over the area, and when combined with daytime heating and cold temperatures in the middle atmosphere provided conditions for showers and thunderstorms to develop. One thunderstorm in eastern Volusia County interacted with the sea breeze front. This storm quickly became severe as it moved very slowly southward over New Smyrna Beach and Edgewater, and several reports of hail were received in these areas. |
| Cassadaga | 5/21/2020 | 1.00 | 0/0 | $0 | The public reported quarter sized hail near the intersection of |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | Courtland Boulevard and Lockwood Boulevard in Deltona. |
| Orange City Deltona | 8/9/2020 | 1.00-1.75 | 0/0 | $0 | Afternoon thunderstorms that developed along the sea breeze collision became severe, producing large hail in Volusia County, and damaging winds in Volusia and Orange Counties. |
| Blake | 8/18/2020 | 1.00 | 0/0 | $0 | Numerous thunderstorms developed along the outflow boundary and sea breeze collisions. These storms produced two tornadoes in western Volusia County, including a rare August EF-2. In addition, other thunderstorms produced strong winds and hail along the Volusia and Brevard County coasts. |
| West Holly Hill Daytona Beach Daytona Beach Shores South Daytona Ponce Inlet Blake | 3/6/2021 | 0.75-1.50 | 0/0 | $0 | Daytona International Speedway Emergency Management reported half dollar sized hail west of Interstate 95 near LPGA Boulevard. They also reported small hail had accumulated on the ground and was 4 to 5 inches deep in some spots. |
| Ormond by the Sea | 4/18/2021 | 1.00 | 0/0 | $0 | An isolated severe thunderstorm developed over Flagler County near a stationary front. The storm moved quickly southeast along the Flagler-Volusia County line and produced large hail just south of the county line, in Ormond Beach. |
| New Smyrna Beach Coronado Beach | 3/16/2022 | 1.75 | 0/0 | $0 | Numerous afternoon thunderstorms developed across east-central Florida, with several becoming severe. These severe storms produced large hail in Brevard, Seminole, and Volusia County, with wind damage to trees also occurring in Volusia County. |

| LOCATION | DATE | MAGNITUDE (inches) | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Orange City DeLand | 5/21/2022 | 1.00-1.25 | 0/0 | $0 | Numerous afternoon thunderstorms developed across east-central Florida as the east coast sea breeze moved inland from the coast and eventually collided with the west coast sea breeze. Many storms became severe and produced quarter to half dollar sized hail over parts of Seminole, Volusia, and Lake Counties. |
| Cassadaga | 6/6/2022 | 1.00 | 0/0 | $0 | Numerous severe thunderstorms developed across east-central Florida along the east coast sea breeze, and along the main sea breeze collision. Many storms became severe over Seminole and Volusia Counties where hail and wind damage occurred. Then, as storms moved offshore, they produced severe wind gusts along the coast in Brevard, Indian River, and Martin Counties. One storm produced an EF-0 tornado in Saint Lucie County west of Fort Pierce. |
| Lake Helen | 5/18/2023 | 1.00 | 0/0 | $0 | Strong storms produced severe hail near Lake Helen in Volusia County. |

Source: National Climatic Data Center

***NOTE: ALL HISTORICAL OCCURRENCES IN THIS REPORT ARE THE MOST RECENT AS DOCUMENTED BY THE NATIONAL CLIMATIC DATA CENTER***

According to the National Climatic Data Center, there have been recorded lightning events in Volusia County as listed in **Section 5: Table 9**. However, these are only the lightning events that have been reported to NCDC. According to emergency managers from various Volusia County jurisdictions thousands of lightning strikes occur each day during the summer afternoon thunderstorms. For example, in 1997 the Port Orange Police Department was struck by lightning twice in a two-week period, each time knocking out the 911 consoles. In addition, during September 2007, there was a lightning event that occurred in Port Orange causing damages totaling $310,000 to a property which had an appraisal value of $350,000 and another which occurred in August 2009, in DeBary causing damages of $500,000 to a church which had burned to the ground. Volusia has the second greatest number of lightning strikes in Florida, behind the Tampa Bay area. The corridor between I-75 and I-95 in the North Central Florida area experiences a high number of lightning strikes.

**Section 5: Table 9: Historical Lightning Occurrences**

| LOCATION | DATE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|
| Holly Hill | 7/23/1994 | 0/1 | $0 | A 17-year-old male riding a bike was hospitalized with burns to his chest after lightning struck the boy. |
| New Smyrna Beach | 9/18/1994 | 1/1 | $0 | A fast-moving thunderstorm, which had produced rain for only a few minutes, produced the flash which struck the victims directly. One death and one injury resulted. |
| New Smyrna Beach | 6/24/1995 | 0/1 | $0 | A lifeguard on top of a high observation tower was struck and injured by lightning. |
| Ormond Beach | 6/28/1995 | 0/1 | $0 | A woman was injured by lightning while talking on a telephone in her home. |
| Daytona Beach | 9/23/1995 | 1/1 | $0 | Two men were struck by a lone lightning bolt. Both men were hospitalized in critical condition. One of the two died three days later. |
| DeBary | 6/15/1996 | 0/0 | $285,935 | Fires started by lightning destroying two condominiums. |
| New Smyrna Beach | 6/19/1996 | 0/0 | $100,077 | Fire started by lightning severely damaged a house. |
| Edgewater | 8/20/1997 | 0/1 | $0 | Lightning knocked a plumber unconscious while he was under a mobile home. |
| New Smyrna Beach | 8/3/1999 | 0/0 | $4,032 | A Volusia County Sheriff's Office horse was killed by lightning while standing under a tree. |
| Daytona Beach | 7/4/2002 | 0/0 | $24,597 | Lightning started a fire that damaged an apartment building in Daytona Beach. |
| Daytona Beach | 7/4/2002 | 0/8 | $0 | Eight spectators were struck and injured by lightning at Daytona Beach International Speedway. Two of the victims were hospitalized. Six were treated and released at the scene. |

| LOCATION | DATE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|
| Port Orange | 8/3/2002 | 1/0 | $0 | A 62-year-old man was killed by lightning outside his home. |
| Edgewater | 8/20/2002 | 0/0 | $18,448 | Lightning started a fire that damaged a carpet store in Edgewater. |
| Oak Hill | 7/21/2003 | 0/0 | $35,822 | Fire started by lightning destroyed a mobile home. |
| Deltona | 8/25/2003 | 0/0 | $298,513 | Fire from a lightning strike destroyed a church in Deltona. |
| Port Orange | 9/14/2003 | 0/0 | $298,513 | Lightning struck a warehouse in Port Orange. |
| Daytona Beach | 6/3/2004 | 0/2 | $0 | Two spectators suffered minor injuries from a lightning strike at Daytona Beach International Speedway. |
| Pierson | 7/7/2004 | 0/2 | $0 | Two convenience store workers were briefly hospitalized after being injured by a lightning strike while working in the store kitchen. |
| Edgewater | 5/24/2005 | 0/1 | $0 | A 27-year-old man was seriously injured by lightning while in a wooded area near Edgewater. |
| DeLand | 7/29/2005 | 0/0 | $0 | Lightning strikes down trees and power lines in DeLand. |
| DeBary | 5/26/2006 | 0/1 | $0 | A woman carrying a child outside was struck by lightning. The child was uninjured. The woman was transported to a hospital in critical condition. |
| Deltona | 6/25/2007 | 0/0 | $26,523 | Lightning heavily damaged a home in Deltona. |
| Ponce Park | 9/12/2007 | 0/2 | $0 | A small boat was struck by lightning in the Halifax River, resulting in minor injuries for two people. |
| DeBary | 7/16/2008 | 0/0 | $4,120 | Lightning ignited a barn fire near DeBary. |
| DeBary | 7/16/2008 | 0/0 | $500,000 | A lightning strike from an intense thunderstorm started a fire with burned a church to the ground. |
| Holly Hill | 7/24/2009 | 0/1 | $0 | Sea breeze boundaries collided over coastal Volusia County, resulting in the rapid development of a severe storm near Ormond Beach. This cell then back-built south-southwest along a boundary during the late afternoon, producing a complex of strong to severe cells farther inland. A waterspout developed within the initial severe cell offshore of Ormond Beach and moved onto the beach as a tornado, reaching the adjacent backyard of several homes just beyond the beach. This vortex meandered |

| LOCATION | DATE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|
| | | | | south along the beach and near-shore Atlantic waters for about ten minutes. Early in the evening, another tornado (EF-0) developed inland over Port Orange and damaged 150 mobile homes before lifting. |
| Daytona Beach and South Peninsula | 8/05/2009 | 0/1 | $0 | Strong thunderstorms produced frequent cloud to ground lightning strikes across Volusia County. Two individuals were injured by lightning strikes in separate incidents about 30 minutes apart within Daytona Beach and South Peninsula. |
| DeBary | 8/20/2009 | 0/0 | $4,000 | Sea breeze thunderstorms produced lightning across central Florida. Lightning ignited a barn fire near DeBary. |
| Blake | 6/9/2015 | 0/1 | $0 | Lightning associated with thunderstorms developing along the east coast sea breeze injured a boy fishing in the water at Daytona Beach Shores. |
| Harbor Point | 6/26/2015 | 1/0 | $0 | Thunderstorms developed over northern Volusia County along the east coast sea breeze. Lightning struck and killed a 25-year-old male in Port Orange as he worked outdoors. |
| Daytona Beach Shores | 6/24/2016 | 1/2 | $0 | Lightning from a thunderstorm located about 4 miles to the north struck a woman walking at waters edge on Daytona Beach Shores, resulting in a fatality. |
| Ponce Park | 8/14/2016 | 0/1 | $0 | A severe thunderstorm produced wind damage to trees and structures in Lake County during the middle of the afternoon. About an hour later, another storm produced lightning which injured a man on a Volusia County beach. |
| Ellison Acres | 1/7/2017 | 0/1 | $0 | A line of strong thunderstorms moved quickly east across Volusia County early in the morning, crossing Ponce Inlet prior to sunrise. A fisherman on the north jetty was injured when lightning struck his fishing pole. |
| Ormond by the Sea | 7/22/2017 | 0/1 | $0 | Lightning struck close to a woman standing in shallow water in Ormond by the Sea, resulting in injuries. |
| Maytown | 8/5/2017 | 0/0 | $200,000 | An afternoon thunderstorm produced a lightning strike that hit a house in Oak Hill. The house caught fire and suffered extensive damage. No injuries or fatalities were reported. |

| LOCATION | DATE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|
| Ellison Acres | 6/14/2018 | 0/3 | $0 | Numerous showers and thunderstorms developed along the collision of the east and west coast sea breeze in eastern Orange and eastern Seminole County. One storm became strong and produced penny-sized hail just east of Geneva. Then, as these storms pushed east towards the coast, one storm produced a lightning strike that injured three people that were near the edge of the boardwalk in New Smyrna Beach. |
| Harbor Point | 6/21/2018 | 0/0 | $275,000 | This storm produced a severe wind gust in Melbourne Beach. In Port Orange, a home was destroyed after being struck by lightning and catching fire. |
| DeLand | 8/28/2018 | 0/1 | $0 | A woman standing in a parking lot in DeLand was struck and seriously injured by a lightning strike. |
| Ormond Beach | 6/9/2019 | 1/0 | $0 | A motorcyclist was killed when he was struck by lightning while on Interstate 95 in Volusia County. |
| Mission City | 7/19/2022 | 1/1 | $0 | Lightning struck and injured two people at two different locations in New Smyrna Beach. A 27-year-old man was seriously injured and transported to a local hospital, where he later died from his injuries. A 66-year-old man suffered minor injuries after lightning struck nearby. |
| Deltona | 5/22/2023 | 1/0 | $0 | Lightning struck and killed a 24-year-old man while he was working on a roof in Volusia County, causing him to fall off of the roof. |

Source: National Climatic Data Center

***NOTE: ALL HISTORICAL OCCURRENCES IN THIS REPORT ARE THE MOST RECENT AS DOCUMENTED BY THE NATIONAL CLIMATIC DATA CENTER***

**Section 5: Table 10** shows historic thunderstorm events, including thunderstorm winds and high winds, which resulted in property damage in Volusia County. (Other windstorms, such as tornadoes and hurricanes, are addressed separately.)

**Section 5: Table 10: Historical Thunderstorm Occurrences Resulting in Property Damage**

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Pierson | 3/27/2000 | Thunderstorm Winds | 0/0 | $19,572 | Severe thunderstorm winds blew down trees on a house near Pierson. |
| Deltona | 7/26/2000 | Thunderstorm Winds | 0/1 | $15,657 | Thunderstorm winds blew down power lines and trees in the Deltona Area. One woman was injured when a tree fell on her car as she was driving in Deltona. |
| Orange City | 9/03/2000 | Thunderstorm Winds | 0/0 | $39,143 | Thunderstorm winds blew down numerous trees and power lines in Orange City. Falling trees damaged six residences. |
| Emporia | 9/04/2000 | Thunderstorm Winds | 0/0 | $13,048 | Thunderstorm winds blew down a large shed cover at a fern nursery. |
| Daytona Beach | 3/13/2001 | Thunderstorm Winds | 0/1 | $38,003 | Strong microburst winds hit the barrier island in Daytona Beach destroying a large tent and a beach tollbooth. One person was injured. |
| Daytona Beach | 6/16/2001 | Thunderstorm Winds | 0/0 | $19,002 | Thunderstorm winds blew a 50-foot section off the roof of a restaurant in Daytona Beach. |
| New Smyrna Beach | 8/21/2001 | Thunderstorm Winds | 0/0 | $20,268 | Thunderstorm winds swept across the New Smyrna Beach Airport overturning a small plane and damaging six others. |
| DeBary | 8/05/2002 | Thunderstorm Winds | 0/0 | $12,299 | Thunderstorm winds blew down trees on a mobile home in Debary. |
| Deltona | 3/07/2003 | Thunderstorm Winds | 0/0 | $1,194 | Thunderstorm winds blew down numerous trees and power lines in Deltona. |
| Deltona | 3/19/2003 | Thunderstorm Winds | 0/0 | $119,405 | Strong thunderstorm winds swept across the Deltona area blowing down dozens of trees that damaged houses and vehicles. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Holly Hill | 7/12/2003 | Thunderstorm Winds | 0/0 | $21,493 | Thunderstorm winds destroyed a large gas station roof awning in Holly Hill. |
| Osteen | 4/08/2004 | Thunderstorm Winds | 0/0 | $255,040 | Thunderstorm winds produced widespread damage to a mobile home community southwest of Osteen. Many of the homes had damage to attached sunrooms, awnings and sheds. About 15 trees were blown down. The event was accompanied by a large amount of small hail. |
| Port Orange | 6/16/2005 | Thunderstorm Winds | 0/0 | $45,020 | Thunderstorm winds overturned a mobile home and damaged two others east of Port Orange. |
| Daytona Beach | 6/17/2005 | Thunderstorm Winds | 0/0 | $11,255 | Thunderstorm winds blew down a large tree which damaged a truck. |
| Deltona | 5/28/2006 | Thunderstorm Winds | 0/0 | $27,318 | Thunderstorm winds downed power lines and power transformers in Deltona. downed trees |
| Daytona Beach International Airport | 7/15/2007 | Thunderstorm Winds | 0/0 | $21,218 | Thunderstorm winds peeled back part of a roof on an apartment complex on the barrier island. A band of thunderstorms moved from central Florida to the coast and Lake Okeechobee producing hail, strong winds and funnel clouds. |
| DeLand | 4/03/2008 | Thunderstorm Winds | 0/0 | $1,030 | Thunderstorm winds blew down large tree branches that took out power lines in DeLand. Afternoon pulse thunderstorms produced wind damage in DeLand. |
| Edgewater | 4/05/2008 | Thunderstorm Winds | 0/0 | $8,240 | Thunderstorm winds blew down trees and power lines in Edgewater. A pre-frontal squall line produced widespread wind damage and hail across central Florida. |
| New Smyrna Beach | 4/05/2008 | Thunderstorm Winds | 0/0 | $12,360 | Thunderstorm winds blew down trees and power lines in New Smyrna Beach. A pre-frontal squall line produced widespread wind damage and hail across central Florida. |
| Ormond Beach | 6/19/2008 | Thunderstorm Winds | 0/0 | $2,060 | Ormond Beach dispatch reported trees down on power lines at Nova |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | Road. The daily east coast sea breeze pushed inland and produced thunderstorms over coastal sections of Central Florida. |
| Fatio | 6/21/2008 | Thunderstorm Winds | 0/0 | $5,150 | Law enforcement reported three trees down across County Road 42. The daily east coast sea breeze pushed inland and produced thunderstorms over coastal and interior sections of Central Florida. |
| Beresford | 6/21/2008 | Thunderstorm Winds | 0/0 | $1,030 | Law enforcement reported a large tree down across State Road 44. The daily east coast sea breeze pushed inland and produced thunderstorms over coastal and interior sections of Central Florida. |
| DeBary, Holly Hill, Osteen, and Daytona Beach | 10/9/2008 | Thunderstorm Winds | 0/0 | $0 | A north moving warm front produced widespread thunderstorms across central Florida. |
| Orange City | 4/14/2009 | Thunderstorm Winds | 0/0 | $0 | A squall line well ahead of a cold front produced numerous thunderstorms with damaging straight-line winds, large hail and a brief, weak tornado. Several Line Echo Wave Pattern (LEWP) features were apparent on radar with rotating comma head signatures. |
| Harbor Point | 6/18/2009 | Thunderstorm Winds | 0/0 | $0 | Numerous strong storms impacted central Florida ahead of a stalled frontal boundary far to the north. Local sea breeze interactions combined with a large-scale outflow boundary propagating to the region prompted the storm development. Many storms produced small hail and wind gusts 45-55 mph, with two storms strengthening to severe levels and resulting in damaging wind gusts. |
| DeLand | 6/13/2009 | Thunderstorm Winds | 0/0 | $0 | Numerous strong storms developed over east central Florida, with a few strengthening to severe levels and producing wind damage and large hail. |
| DeLand | 3/31/2009 | Thunderstorm Winds | 0/0 | $0 | A northward-lifting warm front combined with active sea breeze |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | boundaries within an unstable atmosphere produced several severe thunderstorms with nickel to quarter sized hail and localized severe winds. |
| Lake Harney | 8/3/2009 | Thunderstorm Winds | 0/0 | $0 | Thunderstorms along the east coast sea breeze boundary progressed inland and intensified to produce minor wind damage and a funnel cloud. |
| DeLand | 1/21/2010 | Thunderstorm Winds | 0/0 | $0 | Numerous strong thunderstorms moved across the county, well ahead of a cold front during the late afternoon and evening. One of the storms became severe and produced localized wind damage. A funnel cloud was also observed by the Daytona Beach Airport (KDAB) weather observer. |
| Ormond Beach | 6/3/2010 | Thunderstorm Winds | 0/0 | $0 | Numerous strong thunderstorms lifted northeast across east-central Florida from mid-afternoon through early evening. Two of the storms became severe and produced damaging winds which downed several trees and large limbs within Orange and Volusia Counties. |
| DeLand | 8/22/2010 | Thunderstorm Winds | 0/0 | $0 | Saturated grounds from previous rains, along with recent heavy rain and 30 mph wind gusts from a thunderstorm passing 30 minutes earlier, caused a large pine tree to topple as a vehicle was traveling beneath, resulting in a fatality. |
| Ormond Beach | 4/5/2011 | Thunderstorm Winds | 0/0 | $0 | A pre-frontal squall line crossed central Florida during the morning and early afternoon. A few of the storms became strong to severe and produced high winds and a funnel cloud, primarily across Volusia and Brevard Counties. |
| Volusia County | 6/17/2011 | Thunderstorm Winds | 0/0 | $0 | Numerous strong to severe storms formed along the east coast sea breeze across the central Florida interior and Volusia County, producing dime to quarter sized hail and winds of 50 to 60 mph. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 3/30/2011 | Thunderstorm Winds | 0/0 | $0 | A rare Florida derecho affected the region during the late afternoon and early evening, well ahead of a strong cold front. The rapidly moving squall line, contained multiple bow echoes as it moved across the central portion of Florida at 60 mph. |
| DeBary | 3/30/2011 | Thunderstorm Winds | 0/0 | $0 | A rare Florida derecho affected the region during the late afternoon and early evening, well ahead of a strong cold front. The rapidly moving squall line, contained multiple bow echoes as it moved across the central portion of Florida at 60 mph. |
| DeBary | 3/30/2011 | Thunderstorm Winds | 0/0 | $0 | A rare Florida derecho affected the region during the late afternoon and early evening, well ahead of a strong cold front. The rapidly moving squall line, contained multiple bow echoes as it moved across the central portion of Florida at 60 mph. |
| Deltona | 3/30/2011 | Thunderstorm Winds | 0/0 | $0 | A rare Florida derecho affected the region during the late afternoon and early evening, well ahead of a strong cold front. The rapidly moving squall line, contained multiple bow echoes as it moved across the central portion of Florida at 60 mph. |
| DeLand | 8/13/2011 | Thunderstorm Winds | 0/0 | $5,000 | An isolated severe thunderstorm developed along a boundary collision in central Volusia County and produced wind damage. |
| Glencoe | 5/17/2012 | Thunderstorm Winds | 0/0 | $0 | The east coast sea breeze formed in the early afternoon and propagated inland, eventually colliding with the west coast sea breeze over the central peninsula. Storms moved to the east and northeast and produced large hail over Brevard and Volusia Counties. |
| Oak Hill | 8/8/2012 | Thunderstorm Winds | 0/0 | $0 | A line of storms developed along the west coast sea breeze and intensified as it interacted with the |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | east coast sea breeze. One of the storms in this line became severe near Haulover Canal. |
| Volusia County | 6/30/2013 | Thunderstorm Winds | 0/0 | $0 | Deep southwesterly flow led to the development of several strong to severe thunderstorms, which moved from the Orlando area to the coast of Volusia and Brevard Counties. Peak winds gusts reached 66 mph in Orlando. Thunderstorm winds also peeled back part of a roof from a home in Port Orange. |
| Volusia County | 9/11/2013 | Thunderstorm Winds | 0/0 | $10,000 | An isolated heavy shower moved onshore from the Atlantic late at night and produced wind damage to the upper story of an apartment complex. |
| Deltona | 12/15/2013 | Thunderstorm Winds | 0/0 | $1,000 | A broken line of showers and thunderstorms moved rapidly southeast across Volusia County. Two cells along the line caused minor wind damage to trees, but no structural damage. Part of a tree fell onto powerlines and a vehicle in Deltona, and tree limbs temporarily blocked a road in Osteen. |
| Coronado Beach | 02/12/2014 | Thunderstorm Winds | 0/0 | $0 | A squall line developed out ahead of a cold front over the eastern Gulf of Mexico. Thunderstorms within the squall line produced damaging winds and large hail (although hail was not reported in Volusia County) |
| Daytona Beach | 04/01/2014 | Thunderstorm Winds | 0/0 | $0 | A broken line of showers moved northeast across Volusia and Brevard Counties. A severe thunderstorm developed near the northern edge of the line and caused localized wind damage near Daytona Beach International Airport and Embry-Riddle Aeronautical University Campus. |
| Cassadaga Lake Helen | 6/10/2014 | Thunderstorm Winds | 0/0 | $5,000 | Thunderstorms developed over the interior and produced locally damaging winds along with quarter sized hail. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Daytona Beach International Airport | 6/24/2014 | Thunderstorm Winds | 0/0 | $0 | A thunderstorm developed rapidly along the east coast sea breeze over coastal Volusia County and produced severe wind gusts and hail up to nickel size at Daytona Beach Airport. |
| DeLeon Springs | 7/14/2014 | Thunderstorm Winds | 0/0 | $0 | Strong thunderstorms moved into western Volusia County and interacted with the east coast sea breeze. |
| Coronado Beach | 7/25/2014 | Thunderstorm Winds | 0/0 | $245,000 | An EF-1 tornado touched down within a rural airpark and affected adjacent neighborhoods. Several buildings and small planes were damaged at the airpark, and many trees were damaged or uprooted within the adjacent neighborhood as the tornado tracked northeast. The thunderstorm which produced the tornado was also responsible for wind damage to a fence and the roof of an apartment building on the barrier island in New Smyrna Beach. |
| Orange City | 6/1/2015 | Thunderstorm Winds | 0/0 | $0 | Several strong to severe thunderstorms developed along the east coast sea breeze as it pushed inland to the Interstate 4 corridor during the afternoon and interacted with other outflow boundaries. Large hail, up to golf ball sized was reported across DeBary, Sanford, Lake Mary, Altamonte Springs and Oakland. Strong winds also felled numerous trees and large tree branches leading to damage to homes and cars in DeBary, Astatula, and Lake Mary. |
| Lake Helen | 3/24/2016 | Thunderstorm Winds | 0/0 | $2,000 | An upper-level weather disturbance, together with a very unstable airmass and mesoscale boundaries resulted in numerous strong thunderstorms across the central Florida peninsula. Two of the storms produced large hail, from quarter to golf ball size. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Edgewater | 9/13/2016 | Thunderstorm Winds | 0/0 | $5,000 | A tropical disturbance, with a well-defined surface circulation, moved onshore near Vero Beach during the early morning hours, then lifted northward along the coast to Volusia County (and beyond) through the evening. By late evening, the system was upgraded to Tropical Storm Julia, as it approached Jacksonville. A rain band associated with the system spawned an EF-0 tornado in southern Brevard County during the early afternoon, resulting in damage to a few residences. Other passing rain bands produced strong wind gusts along the coast of Brevard and Volusia Counties, one of which resulted in damage to a home in Edgewater. A funnel cloud was also sighted in Lake County. |
| Hucomer | 9/29/2016 | Thunderstorm Winds | 0/0 | $0 | A thunderstorm became severe over southeast Volusia County and produced damage to several trees and powerlines in the town of Edgewater. |
| New Smyrna Beach Fatio | 1/22/2017 | Thunderstorm Winds | 0/0 | $0 | An unusually strong jet stream aided development of an intense squall line which moved rapidly across east central Florida during the evening of January 22. Several thunderstorms developed ahead of the main squall line and became severe, as well as other storms within the squall line itself. Reports of quarter sized hail, wind gusts over 60 mph and funnel clouds were received. A localized area of tree damage also occurred. |
| DeLand Municipal Airport Holly Hill | 11/23/2017 | Thunderstorm Winds | 0/0 | $50,000 | A strong thunderstorm embedded within a rain area ahead of a cold front intensified as it traveled quickly northeast across Volusia County. Mobile homes were damaged well inland in DeLand, then over 30 minutes later, the storm damaged mobile homes in |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | Daytona Beach. Rain totals reached five to seven inches in a short period of time from Ormond-by-the-Sea to Holly Hill. High levels of standing water and some impassible roadways occurred. |
| DeLand Municipal Airport Allandale | 4/15/2018 | Thunderstorm Winds | 0/0 | $0 | The Storm Prediction Center had designated a slight change of severe weather for all of east central Florida. A high amplitude shortwave over the Mississippi River Valley quickly moved south across the Florida peninsula during the afternoon and evening hours. A cold front associated with the intensifying trough was also observed crossing the Florida peninsula. Ahead of the cold front moderate thermodynamic instability with 700mb temperatures between -7 to -8 degrees Celsius, and 500mb between -9 to -10 degrees Celsius, resulting in lapse rates of 6-6.5 C/km. 90 knot winds atop a hot streak over the north central Gulf of Mexico created resulting flow from the southwest. Numerous showers and thunderstorms developed along the cold front, eventually forming a line that crossed across all of east central Florida. |
| Ormond Beach | 7/22/2018 | Thunderstorm Winds | 1/1 | $0 | One person was killed, and another injured in Ormond Beach when winds from a non-severe thunderstorm knocked over a large, mostly dead tree onto them. |
| Deltona | 5/4/2019 | Thunderstorm Winds | 0/0 | $0 | An area of high pressure located over the central Atlantic was the dominant feature affecting weather over central Florida. This led to west to southwest winds at the surface that pushed deep moisture from the Gulf across the area. Hot daytime temperatures, and cold temperatures in the middle atmosphere provided the necessary |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | ingredients for strong to severe thunderstorms to develop. |
| DeLand | 6/9/2019 | Thunderstorm Winds | 0/0 | $0 | Rich moist air was moving across the Florida peninsula as the area was sandwiched between the Atlantic high pressure to the south and a low-pressure system over the eastern half of the U.S. This combination of weather systems provided substantial energy in the atmosphere, that when combined with daytime heating and southwest winds at the surface led to the development of numerous strong thunderstorms across east central Florida. As these storms pushed across the peninsula they produced and interacted with many outflow boundaries and the east coast sea breeze. Several storms became severe as they moved over Seminole and Volusia Counties, where wind damage was reported. Also, a motorcyclist was killed when he was struck by lightning while on Interstate 95 in Volusia County. |
| Daytona Beach | 09/18/2019 | Thunderstorm Wind | 0/0 | $0 | A strong storm came onshore in Volusia County and quickly became severe over Daytona Beach. Observations of 50 knot or greater winds occurred at three separate, but close by locations. |
| Fatio | 04/20/2020 | Thunderstorm Wind | 0/0 | $0 | As a broken line of severe thunderstorms moved through Seminole County, one storm produced a brief waterspout/tornado on and near Lake Jesup. A second thunderstorm produced damaging winds in Volusia County, while a third thunderstorm produced damaging winds and hail in Martin County. |
| Cassadaga | 05/28/2020 | Thunderstorm Wind | 0/0 | $0 | Scattered strong to severe storms moved across Lake and Volusia counties producing minor wind damage and small hail. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Daytona Beach | 06/06/2020 | Thunderstorm Wind | 0/0 | $5,000 | A National Weather Service damage survey confirmed straight-line winds estimated at 55-65 mph impacted the Daytona Flea and Farmers Market in Daytona Beach. Damage consisted of the removal of a large portion of a corrugated roof, with metal roofing peeled back on several adjacent buildings. Roof debris was blown downwind 100 yards onto adjacent portions of Interstate 95, causing the roadway to be closed for several hours. No other damage was noted in the area and there were no injuries or fatalities. |
| DeBary | 08/09/2020 | Thunderstorm Wind | 0/0 | $0 | Afternoon thunderstorms that developed along the sea breeze collision became severe, producing large hail in Volusia County, and damaging winds in Volusia and Orange Counties. |
| Coronado Beach | 08/18/2020 | Thunderstorm Wind | 0/0 | $0 | Numerous thunderstorms developed along the outflow boundary and sea breeze collisions. These storms produced two tornadoes in western Volusia County, including a rare August EF-2. In addition, other thunderstorms produced strong winds and hail along the Volusia and Brevard County coasts. |
| DeLand | 08/20/2020 | Thunderstorm Wind | 0/0 | $0 | A thunderstorm became severe as it moved north through DeLand where it caused damage to planes and hangers at the airport, as well as nearby homes. |
| Samsula | 10/28/2021 | Thunderstorm Wind | 0/0 | $1,000 | Numerous thunderstorms were moving across Volusia County, where one storm became strong and produced localized wind damage in New Smyrna Beach. |
| DeLand | 03/01/2022 | Thunderstorm Wind | 0/0 | $10,000 | A strong thunderstorm that moved through DeLand in Volusia County produced minor wind damage that resulted in old trees falling into several power lines. |

| LOCATION | DATE | TYPE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Samsula | 03/16/2022 | Thunderstorm Wind | 0/0 | $0 | Numerous afternoon thunderstorms developed across east-central Florida, with several becoming severe. These severe storms produced large hail in Brevard, Seminole, and Volusia County, with wind damage to trees also occurring in Volusia County. |
| Edgewater | 07/19/2022 | Thunderstorm Wind | 0/0 | $3,000 | Strong thunderstorms that developed along the sea breeze collision moved east and offshore of Volusia County. One storm became severe where it produced wind damage in Edgewater. |
| Orange City | 08/17/2022 | Thunderstorm Wind | 0/0 | $4,000 | A thunderstorm became severe in western Volusia County where it produced tree and powerline damage in Orange City. |

Source: National Climatic Data Center

***NOTE: ALL HISTORICAL OCCURRENCES IN THIS REPORT ARE THE MOST RECENT AS DOCUMENTED BY THE NATIONAL CLIMATIC DATA CENTER***

## Probability of Future Occurrences

Severe weather events will continue to have high occurrences in the future. Based on the frequency of hail events in the past, the probability of future hail occurrences in Volusia County is high. Over the past 45 years, Volusia County has been impacted by two or more hail events per year. It can be expected that future hail events will continue to cause minor to severe damage to property and vehicles throughout Volusia County.

The probability of occurrence for future lightning events in Volusia County is high. According to NOAA, Volusia County is in an area of the country that experiences 8-16 lightning flashes per square kilometer per year (approximately 20,224 to 40,448 flashes countywide per year). Given this regular frequency of occurrence, it can be expected that future lightning events will continue to threaten life and property throughout Volusia County.

Thunderstorms are frequent in Volusia County. During the summer, Volusia County experiences thunderstorms nearly every afternoon. They will undoubtedly continue to occur, thereby threatening the lives, safety, and property in Volusia County. Therefore, the probability of future occurrences is high.

The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts from severe weather and that future mitigation and adaptation strategies related to this hazard should be considered.

## 5.11 TORNADO

### Background

A tornado is a violent windstorm characterized by a twisting, funnel-shaped cloud extending to the ground. Tornadoes are most often generated by thunderstorm activity (but sometimes result from hurricanes and other tropical storms) when cool, dry air intersects and overrides a layer of warm, moist air forcing the warm air to rise rapidly. The damage caused by a tornado is a result of the high wind velocity and wind-blown debris, also accompanied by lightning or large hail. According to the National Weather Service, tornado wind speeds normally range from 40 to more than 300 miles per hour and are a few yards wide. The most violent tornadoes have rotating winds of 250 miles per hour or more and can cause extreme destruction, carving a path over a mile wide and several miles long and turning normally harmless objects into deadly missiles.

Over 800 tornadoes are reported nationwide annually, resulting in an average of 80 deaths and 1,500 injuries (NOAA, 2007). They are more likely to occur during the months of March through May and can occur at any time of day but are likely to form in the late afternoon and early evening. Further, the tornadoes associated with tropical cyclones are most frequent in September and October when the incidence of tropical storm systems is greatest. The destruction caused by tornadoes ranges from light to inconceivable depending on the intensity, size and duration of the storm. Typically, tornadoes cause the greatest damage to structures of light construction, including residential dwellings (particularly mobile homes). The magnitude of tornadic activity is reported using the Enhanced Fujita Scale. However, tornado magnitudes prior to 2005 were classified using the traditional version of the Fujita Scale.

**Section 5: Table 11: Enhanced Fujita Scale for Tornadoes (Effective 2005 and after)**

| F-SCALE NUMBER | INTENSITY | WIND SPEED (MPH) | TYPE OF DAMAGE DONE |
|---|---|---|---|
| **F0** | GALE | 65–85 | Some damage to chimneys; breaks branches off trees; pushes over shallow-rooted trees; damages to sign boards. |
| **F1** | MODERATE | 86–110 | Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads; attached garages may be destroyed. |
| **F2** | SIGNIFICANT | 111–135 | Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light object missiles generated. |
| **F3** | SEVERE | 136–165 | Roof and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted. |
| **F4** | DEVASTATING | 166–200 | Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large missiles generated. |
| **F5** | INCREDIBLE | Over 200 | Strong frame houses lifted off foundations and carried considerable distances to disintegrate; automobile sized missiles fly through the air in excess of 100 meters; trees debarked; steel re-enforced concrete structures badly damaged. |

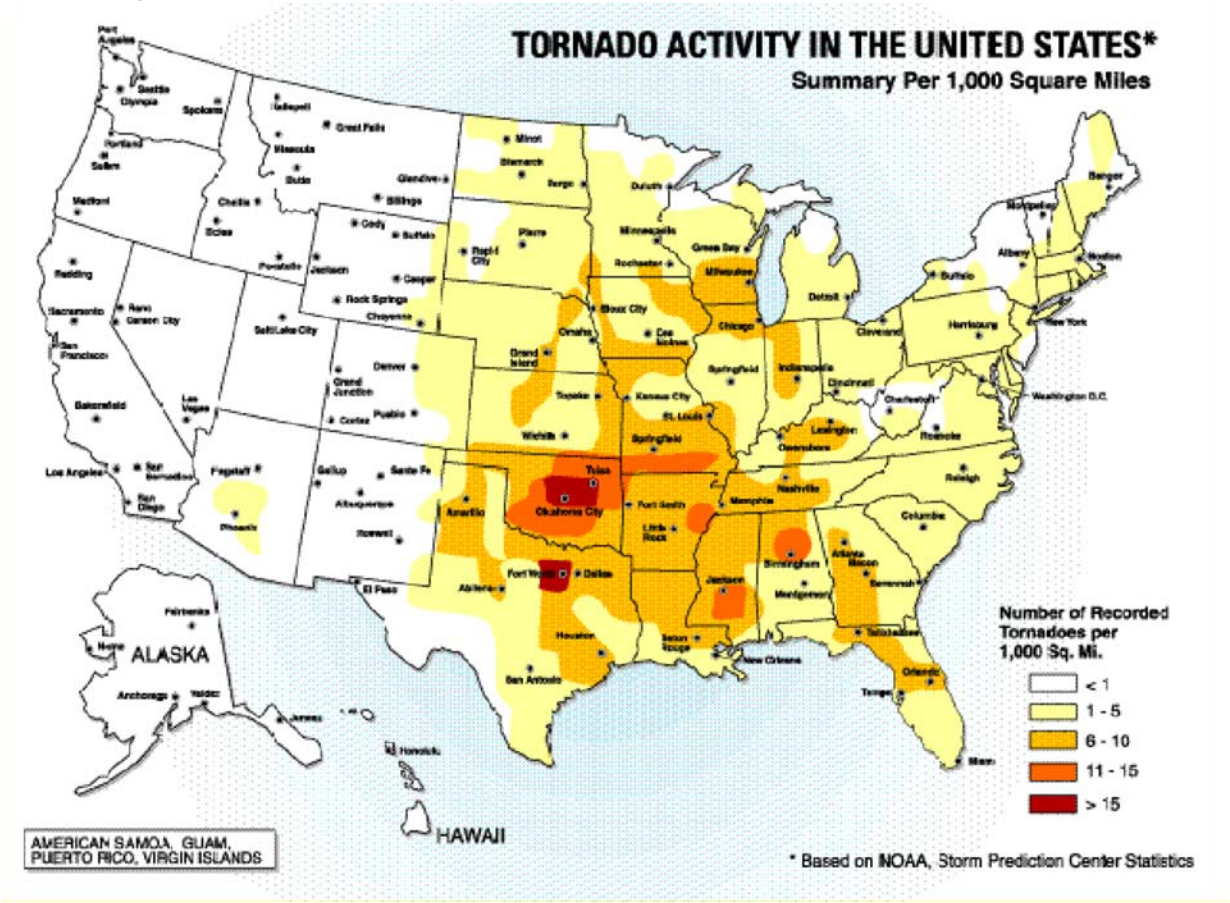
**Section 5: Table 12: The Fujita Scale (Effective Prior to 2005)**

| F-SCALE NUMBER | INTENSITY | WIND SPEED (MPH) | TYPE OF DAMAGE DONE |
|---|---|---|---|
| **F0** | GALE | 40–72 | Some damage to chimneys; breaks branches off trees; pushes over shallow-rooted trees; damages to sign boards. |
| **F1** | MODERATE | 73–112 | Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads; attached garages may be destroyed. |
| **F2** | SIGNIFICANT | 113–157 | Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light object missiles generated. |
| **F3** | SEVERE | 158–207 | Roof and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted. |
| **F4** | DEVASTATING | 208–260 | Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown, and large missiles generated. |
| **F5** | INCREDIBLE | 261–318 | Strong frame houses lifted off foundations and carried considerable distances to disintegrate; automobile sized missiles fly through the air in excess of 100 meters; trees debarked; steel re-enforced concrete structures badly damaged. |
| **F6** | INCONCEIVABLE | 319–379 | These winds are very unlikely. The small area of damage they might produce would probably not be recognizable along with the mess produced by F4 and F5 wind that would surround the F6 winds. Missiles, such as cars and refrigerators would do serious secondary damage that could not be directly identified as F6 damage. If this level is ever achieved, evidence for it might only be found in some manner of ground swirl pattern, for it may never be identifiable through engineering studies. |

Source: National Weather Service

According to the NOAA Storm Prediction Center (SPC), the highest concentration of tornadoes in the United States has been in Oklahoma, Texas, Kansas and Florida. Although the Great Plains region of the Central United States does favor the development of the largest and most dangerous tornadoes (earning the designation of “tornado alley”), Florida experiences the greatest number of tornadoes per square mile of all U.S. states (SPC, 2002). **Section 5: Figure 17** shows tornado activity in the United States based on the number of recorded tornadoes per 1,000 square miles.

**Section 5: Figure 17: U.S. Tornado Activity**




Source: Federal Emergency Management Agency

## Location and Spatial Extent

Based on historic data, tornadoes occur throughout the state of Florida at a rate of 1-10 confirmed touchdowns per 1,000 square miles. Florida tornadoes typically impact a relatively small area; however, events are completely random, and it is not possible to predict specific areas that are more susceptible to a tornado strike over time. Therefore, it is assumed that all of Volusia County and its jurisdictions are uniformly exposed to this hazard. **Section 5 Figure 17** displays were where the hazard has been identified.

April, May, and June are considered the peak months for Florida tornadoes. A review of historical data shows that tornadoes within Volusia County are typically in the F0, F1 and, more rarely, the F2 range. F3 and F4 tornadoes are very rare, with three occurring since 1950. The county has never experienced a F5 tornado on record.

## Historical Occurrences

According to the National Climatic Data Center, these events occurred in the Volusia County study area as listed in **Section 5: Table 13**.

**Section 5: Table 13: Historical Tornado Impacts**

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 5/8/1950 | F1 | 0/0 | $27,851 | Not Available |
| Volusia County | 7/12/1959 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 10/12/1959 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 7/14/1960 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 7/19/1960 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 8/29/1961 | F2 | 0/0 | $188,115 | Not Available |
| Volusia County | 7/7/1963 | F1 | 0/0 | $21,995 | Not Available |
| Volusia County | 8/9/1963 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 1/12/1964 | F0 | 0/0 | $21,772 | Not Available |
| Volusia County | 8/28/1964 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 8/30/1968 | F2 | 0/0 | $160,999 | Not Available |
| Volusia County | 7/22/1969 | unknown | 0/0 | $18,329 | Not Available |
| Volusia County | 10/2/1969 | unknown | 0/0 | $0 | Not Available |
| Volusia County | 7/17/1970 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 8/27/1971 | F2 | 0/1 | $16,624 | Not Available |
| Volusia County | 5/20/1972 | F2 | 0/0 | $134,368 | Not Available |
| Volusia County | 6/19/1972 | F1 | 0/0 | $134,368 | Not Available |
| Volusia County | 8/22/1972 | F2 | 0/0 | $134,368 | Not Available |
| Volusia County | 4/11/1975 | F0 | 0/0 | $12,504 | Not Available |
| Volusia County | 4/14/1975 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 5/15/1975 | F0 | 0/0 | $104,204 | Not Available |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 8/9/1975 | F0 | 0/0 | $12,504 | Not Available |
| Volusia County | 5/22/1976 | F0 | 0/0 | $987,344 | Not Available |
| Volusia County | 5/23/1976 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 7/3/1976 | F0 | 0/0 | $11,848 | Not Available |
| Volusia County | 4/18/1978 | F1 | 0/0 | $861,249 | Not Available |
| Volusia County | 6/9/1978 | F0 | 0/0 | $10,335 | Not Available |
| Volusia County | 7/27/1978 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 8/13/1978 | F1 | 0/1 | $86,125 | Not Available |
| Volusia County | 9/4/1978 | F0 | 0/0 | $10,335 | Not Available |
| Volusia County | 9/22/1978 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 9/27/1978 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 1/24/1979 | unknown | 0/0 | $77,363 | Not Available |
| Volusia County | 5/5/1979 | F1 | 0/0 | $773,633 | Not Available |
| Volusia County | 5/8/1979 | F1 | 0/6 | $7,736,328 | Not Available |
| Volusia County | 9/3/1979 | F2 | 0/0 | $1,624,629 | Not Available |
| Volusia County | 9/29/1979 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 3/7/1982 | F1 | 0/0 | $25,000 | Not Available |
| Volusia County | 6/17/1982 | F1 | 0/0 | $253,000 | Not Available |
| Volusia County | 4/15/1983 | F1 | 0/0 | $6,765 | Not Available |
| Volusia County | 4/23/1983 | F1 | 0/0 | $56,375 | Not Available |
| Volusia County | 11/20/1983 | F2 | 0/0 | $5,637,514 | Not Available |
| Volusia County | 4/14/1984 | F0 | 0/0 | $53,991 | Not Available |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Volusia County | 6/27/1984 | F1 | 0/0 | $5,399,069 | Not Available |
| Volusia County | 2/8/1986 | F0 | 0/0 | $51,206 | Not Available |
| Volusia County | 3/14/1986 | F1 | 0/1 | $51,206 | Not Available |
| Volusia County | 1/21/1988 | F1 | 0/0 | $474,030 | Not Available |
| Volusia County | 5/11/1988 | F0 | 0/0 | $0 | Not Available |
| Volusia County | 11/9/1990 | F0 | 0/3 | $5155 | Not Available |
| Edgewater | 10/7/1996 | F2 | 0/0 | $3,431,216 | In Edgewater, a 400-yard-wide F2 tornado touched down near I-95. The smaller F0 tornadoes in Pierson, Deltona, and Daytona Beach Shores caused minor in the affected areas, including blowing out 12 windows in Daytona Beach Shores. |
| Pierson | 10/7/1996 | F0 | 0/0 | $0 | |
| Deltona | 10/7/1996 | F0 | 0/0 | $0 | |
| Daytona Beach Shores | 10/7/1996 | F0 | 0/0 | $7,148 | |
| New Smyrna Beach | 4/23/1997 | F0 | 0/0 | $0 | The F0 tornado downed trees and damaged dozens of homes, including 20 in New Smyrna Beach alone. |
| Pierson | 4/23/1997 | F0 | 0/0 | $83,856 | |
| Port Orange | 4/23/1997 | F0 | 0/0 | $167,713 | |
| New Smyrna Beach | 4/23/1997 | F0 | 0/0 | $349,402 | |
| Oak Hill | 7/5/1997 | F0 | 0/0 | $41,928 | The brief touchdown damaged 2 houses and 8 mobile homes. |
| New Smyrna Beach | 11/2/1997 | F3 | 0/32 | $19,566,485 | A rapidly intensifying tornado initially touched down in New Smyrna Beach about 1 mile west of U.S. Highway 1 between Enterprise and Wayne Avenues. The tornado moved east northeast at about 50 mph damaging several homes and downing trees and power lines. It lifted just west of Highway 1 after passing Chisholm Elementary School. The tornado then struck New |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | Smyrna Beach High School producing Fujita Scale F1 damage. As the tornado intensified to a strong F3 category, it passed through the Venetian Villas subdivision and the Diamond Head Condominiums. A number of large well-built homes were destroyed. Many of the units in the 10 story Diamond Head Condominiums received major damage as high winds blew out exterior glass walls and blew furniture into the adjoining Indian River Lagoon. The tornado then crossed the Intracoastal Waterway and passed over the barrier island between Robinson Road and East Street where a number of large well-built homes were almost completely destroyed. The tornado then moved over the Atlantic Ocean. In all 32 people were injured, six requiring hospitalizations. Thirty-one homes were destroyed and 290 were damaged. Damage estimates were near 14 million dollars. |
| Emporia | 2/16/1998 | F0 | 0/0 | $111,808 | Sixteen mobile homes were damaged, and one was destroyed. |
| Daytona Beach | 2/22/1998 | F2 | 1/3 | $5,504,681 | This tornado cell caused extensive damage and two deaths throughout Volusia County. In Daytona Beach one person was killed and three others were injured while in a mobile home. In Osteen, a man staying in a recreational vehicle was killed. |
| Osteen | 2/23/1998 | F3 | 1/0 | $1,376,170 | |
| Oak Hill | 2/23/1998 | F2 | 0/0 | $688,085 | |
| Port Orange | 7/28/1998 | F0 | 0/0 | $137,617 | Thirty-three mobile homes were damaged with this F0 tornado. |
| New Smyrna Beach | 9/17/2000 | F0 | 0/0 | $13,048 | This tornado caused minor damage including power outages and downed signs and trees. |
| Daytona Beach | 3/13/2001 | F1 | 0/5 | $6,333,850 | This F1 damaged over 100 houses and dozens of vehicles, many due to fallen trees. Five people were injured. |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| New Smyrna Beach | 9/14/2001 | F0 | 0/0 | $70,939 | This tornado was a result of a rainstorm associated with Tropical Storm Gabriel. Twelve mobile homes were damaged and three were destroyed. |
| Daytona Beach | 8/8/2004 | F0 | 0/0 | $0 | A waterspout came ashore, blowing branches from trees. |
| South Daytona | 8/13/2004 | F1 | 0/0 | $0 | This tornado cell was associated with Hurricane Charley. It caused minor damage to homes, commercial buildings, and trees. |
| Daytona Beach Shores | 8/13/2004 | F0 | 0/1 | $0 | |
| DeLand | 12/25/2006 | F2 | 0/5 | $2,731,818 | An F2 tornado touched down just west of North Stone Street in DeLand and moved northeast crossing Highway 17. It moved across the Fernwood mobile home community and continued northeast over Meadowlea Estates mobile home community. It lifted just north of Carter Road. Fifty-two residences were destroyed and 162 were damaged. Five people were seriously injured. |
| Daytona Beach International Airport | 12/25/2006 | F2 | 0/6 | $54,636,350 | The same system that caused fived injuries and damaged 162 homes in DeLand touched down at Daytona Beach International, destroying 40 Embry Riddle University aircraft and the two-story administration building. East of Embry Riddle Aeronautical University, 48 apartments units were destroyed and 200 were damaged. |
| Beresford | 2/2/2007 | F3 | 0/42 | $55,166,800 | The tornado that killed 13 people in Lake County moved east across the St. Johns River, crossed into Volusia county at Lake Beresford and moved across DeLand as an F3 tornado. It was still moving east northeast at 50 MPH as it damaged 277 and destroyed 106 residences in the DeLand area. There were no fatalities in Volusia County but 42 people were injured. |
| New Smyrna Beach (Airport) | 2/2/2007 | F1 | 0/0 | $6,365,400 | |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| Lake George | 7/7/2007 | F0 | 0/0 | $31,827 | Tornado-force winds caused damage to a restaurant and apartment complex. |
| Port Orange and Ormond Beach | 7/24/2009 | F0 | 0/1 | $ 2,500,000 | This tornado was caused by a sea breeze merger, when winds from both coasts meet and cause the rotation. Although it was classified as the mildest of twisters, it caused damage to 163 homes in Port Orange. Of these, seven were totally destroyed, eight had major damage, and twenty-six had moderate damage. The same system produced a waterspout that came ashore in Ormond Beach, destroying a catamaran. |
| Edgewater | 8/7/2010 | F0 | 0/0 | $58,000 | A waterspout formed within a thunderstorm over the intracoastal river, then moved onshore the adjacent barrier island in New Smyrna Beach and produced minor damage as it crossed to the Atlantic coast. |
| Edgewater | 8/11/2010 | F0 | 0/0 | $5,000 | Scattered thunderstorms trained northward near the Florida east-central coast, within a strong southerly flow due in part to the presence of Tropical Depression Five remnants near the central Gulf coast. Around mid-day, a waterspout developed over the intracoastal river and moved onshore the mainland in Edgewater, producing minor damage. Several hours later, another storm developed rotation and produced a brief touchdown in a |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | wooded area, farther inland over southern Volusia County. |
| Glencoe | 8/11/2010 | F0 | 0/0 | $0 | Scattered thunderstorms trained northward near the Florida east-central coast, within a strong southerly flow due in part to the presence of Tropical Depression Five remnants near the central Gulf coast. Around mid-day, a waterspout developed over the intracoastal river and moved onshore the mainland in Edgewater, producing minor damage. Several hours later, another storm developed rotation and produced a brief touchdown in a wooded area, farther inland over southern Volusia County. |
| Volusia County | 12/10/2012 | F0 | 0/0 | $1,000 | Very moist southwest winds developed across east-central Florida well in advance of a cold front and associated upper level disturbance. Strong daytime heating, combined with moderate low-level wind shear, resulted in numerous strong storms, two of which produced tornadoes. The first tornado began as a waterspout over Lake Apopka, then crossed the northeast shore of the lake and remained on the ground for a short distance. Although the waterspout/tornado affected a rural area, several citizens witnessed the event. The second tornado impacted a mobile home park and adjacent wooded area in Edgewater, then became a waterspout as it crossed the intracoastal river, before moving across the barrier island as a tornado. Significant damage occurred at the mobile home park, with only minor damage on the barrier island. Several funnel clouds were also observed. |
| Volusia County | 12/10/2012 | F1 | 0/2 | $1.7 Million | |
| Edgewater | 7/25/2014 | F0 | N/A | N/A | A tornado struck down in Edgewater at Park Avenue and Wildwood Drive near Massey Air Park at 4:30pm, causing damage to several hangars |

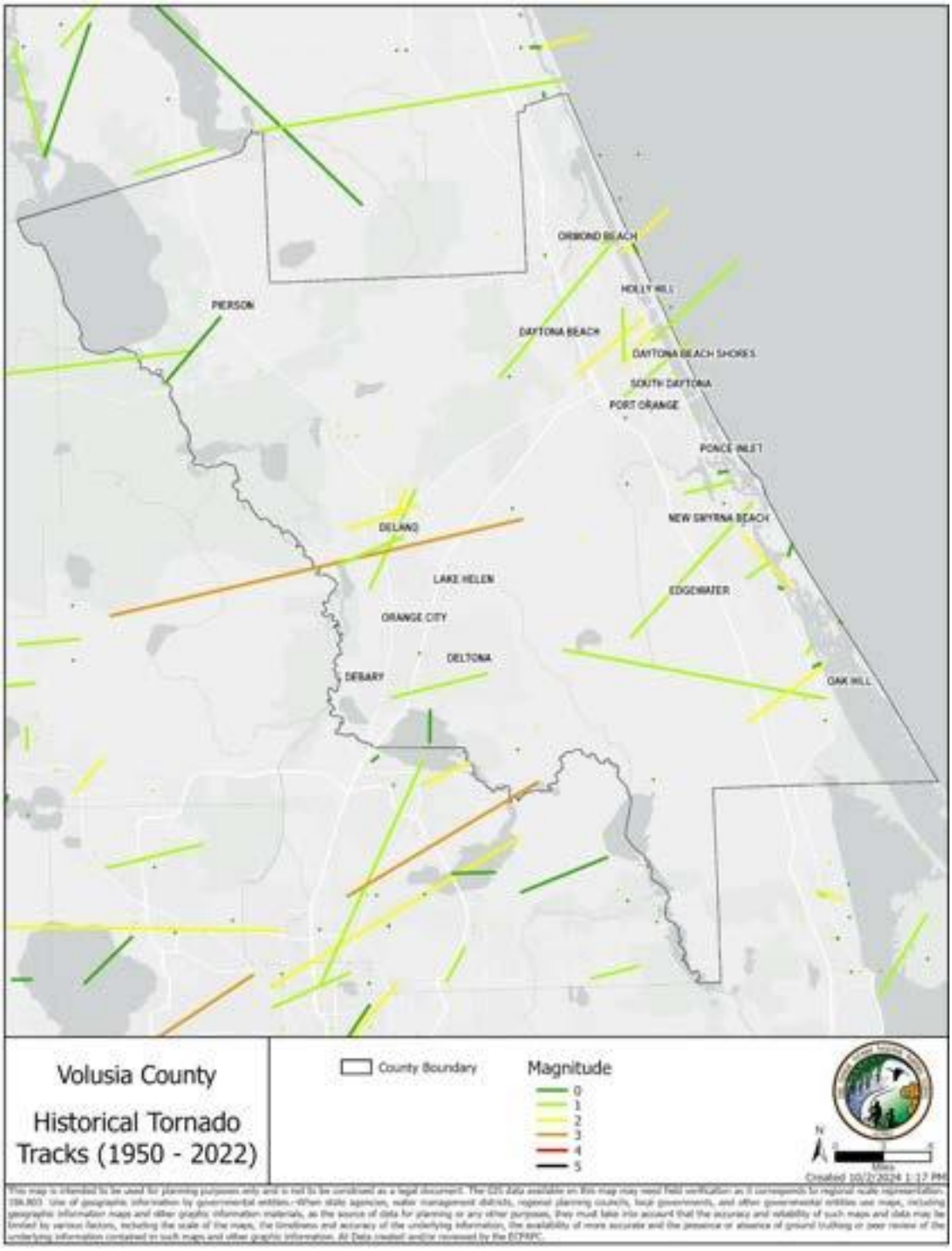
| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | and planes. Winds reached 65 to 85 mph. |
| Ormond Beach | 9/10/2017 | F1 | 0/0 | $0 | Associated with Hurricane Irma. |
| Ariel | 6/9/2018 | F0 | 0/0 | $10,000 | After storms developed over Orlando, they pushed east towards the southeastern Volusia County coastline. One storm managed to produce a very weak, short-lived tornado (land spout) in Oak Hill. |
| Beresford | 01/04/2020 | EF1 | 0/0 | $25,000 | A severe thunderstorm moving across central Florida produced two tornadoes, one in Okahumpka in Lake County, then another in DeLand in Volusia County. |
| Enterprise | 06/06/2020 | EF0 | 0/0 | $0 | A waterspout that came onshore and developed into a tornado. Based on this report, along with only minor damage to trees near the lakefront, peak winds were estimated between 45 and 55 mph. |
| DeLand | 08/18/2020 | EF2 | 1/0 | $8,010,339 | The tornado generally tracked east-northeast across the city resulting in many downed medium to large tree branches, downed power lines, and numerous large trees being uprooted, which led to many local and major roadways being blocked. Many homes and vehicles suffered moderate to major damage as large tree branches or entire trees fell on them. There were 163 damaged structures, with 49 sustaining minor damage, 40 sustaining major damage, and 5 that were destroyed. |
| Orange City | 08/18/2020 | EF0 | 0/0 | $40,000 | The tornado tracked along a 0.1 mile long path, with maximum winds estimated between 65-75 mph. The tornado had a maximum width of approximately 70 yards. |
| Isleboro | 08/02/2021 | EF0 | 0/0 | $0 | Based on information provided by the Volusia County Sheriffs Office, a short-lived tornado touched down just west of U.S. Highway 1, near the |

| LOCATION | DATE | MAGNITUDE | DEATHS/ INJURIES | PROPERTY DAMAGE | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | intersection of Sleepy Hollow Road, in New Smyrna Beach. Peak winds are estimated around 55-65 mph. |
| Coronado Beach | 07/22/2023 | EF0 | 0/0 | $0 | Thunderstorms produced a landspout tornado in Volusia County and a severe wind gust in Brevard County. |

Source: National Climatic Data Center

***NOTE: ALL HISTORICAL OCCURRENCES IN THIS REPORT ARE THE MOST RECENT AS DOCUMENTED BY THE NATIONAL CLIMATIC DATA CENTER***

**Section 5: Figure 18: Locations of Historical Tornado Events in Volusia County**




Source: National Oceanic and Atmospheric Administration

## Probability of Future Occurrences

The probability of a future tornado affecting Volusia County is high. According to historical records, Volusia County experiences, on average, more than one (1.2) confirmed tornado event annually. While many of these events are small in terms of size, intensity and duration, a greater number of stronger storms (i.e., F2 and F3 tornadoes) have been reported in the past decade. Further, even minor tornadoes can cause substantial damage. In conclusion, tornadoes pose a significant threat to lives and property in Volusia County.

The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts from tornadoes and that future mitigation and adaptation strategies related to this hazard should be considered.

# 5. TROPICAL CYCLONES

## Background

Hurricanes and tropical storms are classified as tropical cyclones and defined as any closed circulation developing around a low-pressure center in which the winds rotate counterclockwise in the Northern Hemisphere (or clockwise in the Southern Hemisphere) and whose diameter averages 10 to 30 miles across. A tropical cyclone refers to any such circulation that develops over tropical waters. Tropical cyclones act as a "safety-valve," limiting the continued build-up of heat and energy in tropical regions by maintaining the atmospheric heat and moisture balance between the tropics and the pole-ward latitudes. The primary damaging forces associated with hurricanes and tropical storms are high-level sustained winds, heavy precipitation, and tornadoes. Coastal areas are also vulnerable to the additional forces of storm surge, wind-driven waves and tidal flooding which can be more destructive than cyclone wind.

The key energy source for a tropical cyclone is the release of latent heat from the condensation of warm water. Their formation requires a low-pressure disturbance, warm sea surface temperature, rotational force from the spinning of the earth and the absence of wind shear in the lowest 50,000 feet of the atmosphere. Many hurricanes and tropical storms form in the Atlantic Ocean, Caribbean Sea, and Gulf of Mexico during the official Atlantic hurricane season, which encompasses the months of June through November. The peak of the Atlantic hurricane season is early to mid-September, and the average number of storms that reach hurricane intensity per year in this basin is about six.

As an incipient hurricane develops, barometric pressure (measured in millibars or inches) at its center falls and winds increase. If the atmospheric and oceanic conditions are favorable, it can intensify into a tropical depression. When maximum sustained winds reach or exceed 39 miles per hour, the system is designated a tropical storm, given a name, and is closely monitored by the National Hurricane Center in Miami, Florida. When sustained winds reach or exceed 74 miles per hour the storm is deemed a hurricane. Hurricane intensity is further classified by the Saffir-Simpson Scale (**Section 5: Table 14**), which rates hurricane intensity on a scale of 1 to 5, with 5 being the most intense[22].

**Section 5: Table 14: Saffir-Simpson Scale**

| CATEGORY | MAXIMUM SUSTAINED WIND SPEED (MPH) | MINIMUM SURFACE PRESSURE (MILLIBARS) | STORM SURGE (FEET) |
|---|---|---|---|
| Tropical Storm | 39–73 | n/a | 0–2 |
| 1 | 74–95 | Greater than 980 | 3–5 |
| 2 | 96–110 | 979–965 | 6–8 |
| 3 | 111–129 | 964–945 | 9–12 |
| 4 | 130–156 | 944–920 | 13–18 |
| 5 | 157 + | Less than 920 | 19+ |

Source: National Hurricane Center

The Saffir-Simpson Scale categorizes hurricane intensity linearly based upon maximum sustained winds, barometric pressure and storm surge potential, which are combined to estimate potential damage.

[22] Although a tropical storm is not part of the Saffir-Simpson Scale, it is listed here for comparative purposes.

Categories 3, 4, and 5 are classified "major" hurricanes. Hurricanes within this range comprise only 20 percent of total tropical cyclone landfalls, but they account for over 70 percent of the damage in the United States. **Section 5: Table 15** describes the damage that could be expected for a tropical storm and each category of hurricane. Damage during hurricanes may also result from spawned tornadoes, storm surge and inland flooding associated with heavy rainfall that usually accompanies these storms.

**Section 5: Table 15: Hurricane Damage Classifications**

| STORM CATEGORY | DAMAGE LEVEL | WIND SPEED | DESCRIPTION OF DAMAGES | PHOTO EXAMPLE |
|---|---|---|---|---|
| Tropical Storm | MINOR | 39-73 mph | Breaks twigs and branches off trees, damages signboards, and windows may break. |  |
| 1 | MINIMAL | 74-95 mph | No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Also, some coastal flooding and minor pier damage. |  |
| 2 | MODERATE | 96-110 mph | Some roofing material, door, and window damage. Considerable damage to vegetation, mobile homes, etc. Flooding damages piers and small craft in unprotected moorings may break their moorings. |  |
| 3 | EXTENSIVE | 111-129 mph | Some structural damage to small residences and utility buildings, with a minor amount of curtainwall failures. Mobile homes are destroyed. Flooding near the coast destroys smaller structures, with larger structures damaged by floating debris. Terrain may be flooded well inland. |  |
| 4 | EXTREME | 130-156 mph | More extensive curtainwall failures with some complete roof structure failure on small residences. Major erosion of beach areas. Terrain may be flooded well inland. |  |
| 5 | CATASTROPHIC | 157+ mph | Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. Flooding causes major damage to lower floors of all structures near the shoreline. Massive evacuation of residential areas may be required. |  |

Sources: National Hurricane Center; Federal Emergency Management Agency,
Tropical Storm Photo: FEMA/George Armstrong; Other Photos: PBS&J Photo Library

## Location and Spatial Extent

Tropical cyclones threaten the entire Atlantic and Gulf seaboard of the United States. Coastal jurisdictions are directly exposed to the brunt of a land-falling storm due to where the hazards occur, but its impact is often felt hundreds of miles inland. Volusia County is susceptible to all the hazards wrought by hurricanes and tropical storms as shown **Section 5 Figure 19**. All areas throughout the county are susceptible to the accompanying hazard effects including extreme wind, flooding, and tornadoes. In addition, the coastal areas of the county are extremely susceptible to the added effects of rising coastal water (storm surge and others), wave action, coastal erosion and tidal flooding[23]. This includes the cities and towns of Ormond Beach, Holly Hill, Daytona Beach, South Daytona, Daytona Beach Shores, Port Orange, Ponce Inlet, New Smyrna Beach, Edgewater and Oak Hill.

The extent of tropical cyclones in terms of strength in Volusia County is consistent when reviewing historical data. Storms hitting the county are primarily in the Tropical Storm to Category 1 range, with winds seldom exceeding 95 miles per hour. A hurricane of any size could impact the entire county.

## Historical Occurrences

**Section 5: Table 16** provides for each event the date of occurrence, name (if applicable), maximum wind speed (as recorded within 100 miles of Volusia County) and Category of the storm based on the Saffir-Simpson Scale.

[23] Distinct hazard area locations for flooding, rising coastal water, and coastal erosion are discussed elsewhere in this section.

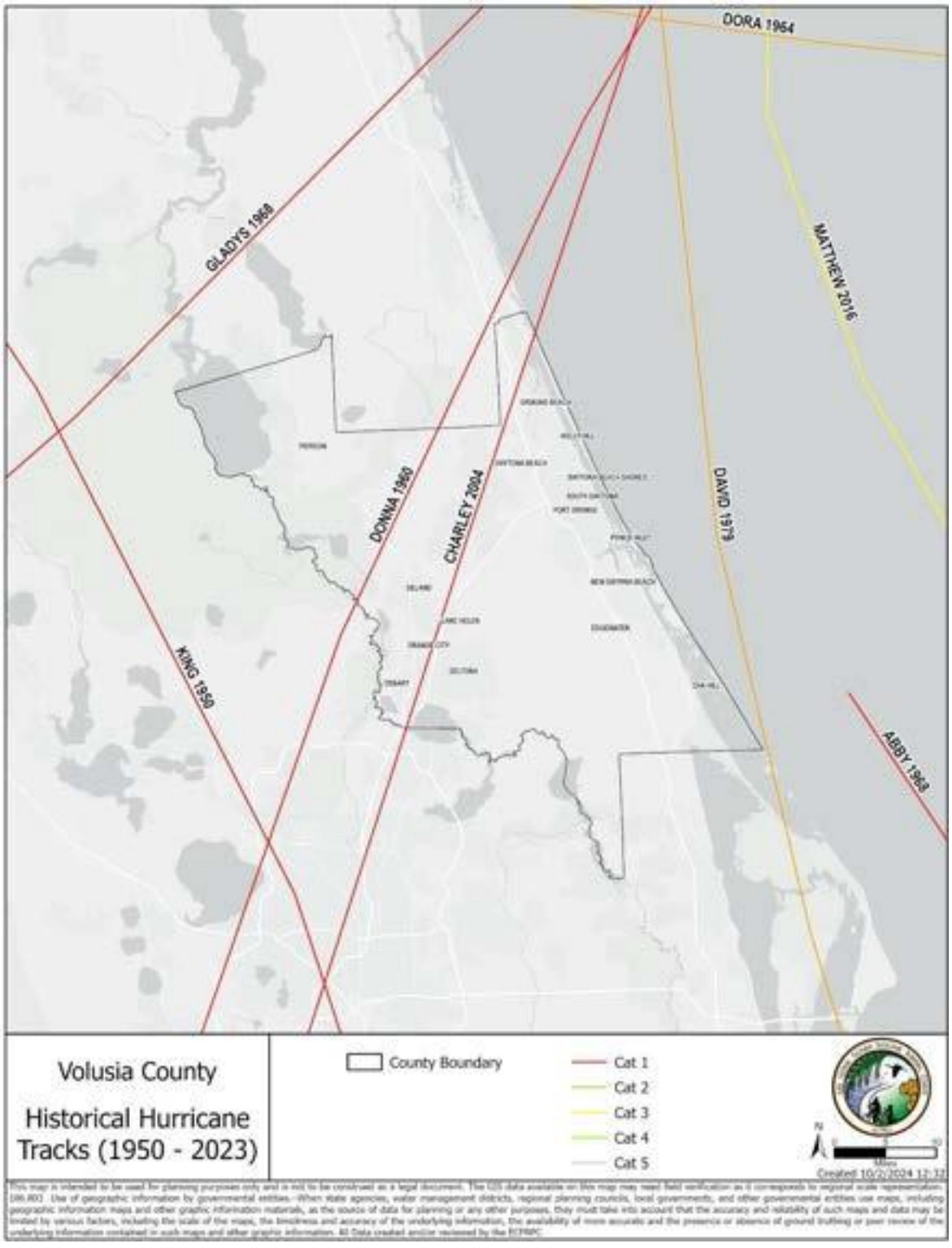
**Section 5: Table 16: Historical Storm Tracks within 75 Miles of Volusia County**

| DATE OF OCCURRENCE | STORM NAME | MAXIMUM WIND SPEED (MPH) | STORM CATEGORY |
|---|---|---|---|
| 10/20/1941 | Not Named | 35 | Tropical Storm |
| 10/19/1944 | Not Named | 65 | Category 1 Hurricane |
| 06/24/1945 | Not Named | 80 | Category 1 Hurricane |
| 09/16/1945 | Not Named | 110 | Category 1 Hurricane |
| 10/08/1946 | Not Named | 40 | Tropical Storm |
| 11/02/1946 | Not Named | 35 | Tropical Storm |
| 09/23/1947 | Not Named | 50 | Tropical Storm |
| 08/27/1946 | Not Named | 130 | Category 4 Hurricane |
| 09/06/1950 | EASY | 85 | Category 2 Hurricane |
| 10/18/1950 | KING | 75 | Category 1 Hurricane |
| 10/09/1953 | HAZEL | 55 | Tropical Storm |
| 09/11/1960 | DONNA | 105 | Category 3 Hurricane |
| 08/27/1964 | CLEO | 75 | Category 1 Hurricane |
| 09/10/1964 | DORA | 100 | Category 3 Hurricane |
| 06/04/1968 | ABBY | 55 | Tropical Storm |
| 10/19/1968 | GLADYS | 70 | Category 1 Hurricane |
| 8/20/1976 | DOTTIE | 45 | Tropical Storm |
| 09/03/1979 | DAVID | 85 | Category 2 Hurricane |
| 09/04/1979 | DAVID | 85 | Category 2 Hurricane |
| 08/19/1981 | DENNIS | 40 | Tropical Storm |
| 08/25/1983 | BARRY | 40 | Tropical Storm |
| 09/10/1984 | DIANA | 60 | Tropical Storm |
| 09/28/1984 | ISIDORE | 45 | Tropical Storm |
| 07/24/1985 | BOB | 60 | Tropical Storm |
| 10/10/1985 | ISABEL | 45 | Tropical Storm |
| 08/28/1988 | CHRIS | 40 | Tropical Storm |
| 11/23/1988 | KEITH | 55 | Tropical Storm |
| 11/17/1994 | GORDON | 55 | Tropical Storm |
| 08/02/1995 | ERIN | 75 | Category 1 Hurricane |
| 08/24/1995 | JERRY | 35 | Tropical Storm |
| 10/16/1999 | IRENE | 65 | Category 1 Hurricane |
| 09/14/2001 | GABRIELLE | 60 | Tropical Storm |
| 08/13/2004 | CHARLEY | 125 | Category 4 Hurricane |
| 09/05/2004 | FRANCES | 80 | Category 1 Hurricane |
| 09/26/2004 | JEANNE | 95 | Category 2 Hurricane |
| 10/05/2005 | TAMMY | 45 | Tropical Storm |
| 08/21/2008 | FAY | 45 | Tropical Storm |
| 10/26/2012 | SANDY | 43 | Tropical Storm |

| DATE OF OCCURRENCE | STORM NAME | MAXIMUM WIND SPEED (MPH) | STORM CATEGORY |
|---|---|---|---|
| 06/06/2016 | COLIN | 45 | Tropical Storm |
| 10/06/2016 | MATTHEW | 84 | Category 1 Hurricane |
| 09/10/2016 | IRMA | 68 | Category 1 Hurricane |
| 09/02/2019 | DORIAN | 45 | Tropical Storm |
| 08/03/2020 | ISAIAS | 69 | Tropical Storm |
| 11/12/2020 | ETA | 50 | Tropical Storm |
| 09/29/2022 | IAN | 69 | Tropical Storm |
| 11/10/2022 | NICOLE | 75 | Category 1 Hurricane |
| 08/30/2023 | IDALIA | 35 | Tropical Storm |
| 10/10/2024 | MILTON | 76 | Tropical Storm |

Source: National Climatic Data Center & NOAA

**Section 5: Figure 19: Historical Storm Tracks within 75 Miles of Volusia County**




Source: National Oceanic and Atmospheric Administration

Some of the notable tropical cyclone events that occurred in Volusia County within the last two decades are described below:

**Tropical Storm Gordon, 1994:** Tropical Storm Gordon made landfall in South Florida on November 13, 1994. Gordon caused a total of 8 deaths, 43 injuries, and $400 million in damages ($605,793,853; 2009 dollars). It affected a number of Florida Counties, including Dade and Brevard, but Volusia was hit especially hard. Volusia County experienced $500,000 in both agricultural and property damage. Single-family, multi-family, and mobile home structures (a total of 1236 units) reported flood damage and losses were estimated at over $26 million.

**Hurricane Floyd, 1999:** On September 15, 1999, the center of Hurricane Floyd passed about 115 statute miles off the coast of Central Florida, causing substantial damage to the coastal counties of Brevard and Volusia. Winds gusts near 70 miles per hour were reported in both counties. In total, Floyd caused over $61 million in property damage, but there were no reports of deaths or injuries ($81,978,899; 2009 dollars). Over $42 million in damages were reported in Volusia County, $10 million of which was attributed directly to coastal erosion. In addition, over 300 homes were damaged by wind and trees.

**Hurricane Irene, 1999:** Hurricane Irene reached hurricane status over the Florida Straits and the calm of the center moved over Key West on October 15, 1999. Most of the hurricane force winds were confined to the east of Irene's center over the lower to middle Keys. As Hurricane Irene moved across Southeast Florida, it brought tropical storm conditions with sustained winds between 39 and 73 miles per hour. Hurricane Irene caused considerable damage in South Florida due to flooding. In some residential areas, flooding lasted for a week, displacing several hundred people and isolating thousands more. Volusia County estimated that damages to approximately 185 properties; totaling more than $16.8 million. The total losses (agricultural and property) were estimated near $800 million in of the state of Florida. An estimated 700,000 customers lost electricity. There were eight indirect deaths reported in Florida.

**Hurricane Charley, 2004:** Hurricane Charley produced wind gusts over 80 miles per hour as it traversed Volusia County on August 13, 2004. The storm caused over $106 million in property damage in Volusia County. In addition, two fatalities were attributed to Hurricane Charley. Widespread power outages, roadway flooding, and fallen trees also occurred. A strong F1 tornado also touched down in South Daytona Beach contributing to the total damage from the event.

**Hurricane Frances, 2004:** Hurricane Frances, a Category 2 storm, made landfall on September 4, 2004, in Martin County, Florida. As it moved north, Volusia County experienced a hurricane force wind for several hours. Daytona Beach International Airport recorded wind gusts of 94 miles per hour. In addition to wind impacts, over 13 inches of rain fell in Volusia County which caused substantial flooding. Wind and flooding impacts resulted in damages of over $390 million within Volusia County. Total damage estimates for all impacted counties include over $4.8 billion for property damage and $93.2 million for crop damage. Despite widespread and severe damage, no deaths or injuries were reported.

**Hurricane Jeanne, 2004:** Hurricane Jeanne made landfall on the east coast of Florida on September 26, 2004, with winds estimated at 120 mph. Widespread rainfall of up to eight inches accompanied Hurricane Jeanne as it moved across eastern, central and northern Florida. A narrower band of 11 to 13 inches was observed in the vicinity of the eye wall track over Osceola, Broward and Indian River counties of east central Florida. A storm surge of approximately four feet above normal astronomical tide levels was measured at Trident Pier at Port Canaveral, Florida about an hour after landfall. Storm surge flooding of

up to six feet above normal tides likely occurred along the Florida east coast from the vicinity of Melbourne southward to Ft. Pierce. Damages were estimated to be over $59 million in Volusia County. The American Insurances Service Group reported that Frances caused a total of $4.11 billion in Florida. There were three direct deaths reported in Florida, with total deaths exceeding 3,000.

**Tropical Storm Fay, 2008:** Moving over Key West, Tropical Storm Fay made its first Florida landfall on August 18, 2008. As the tropical storm drifted north in Volusia County offshore waters, hours of heavy rain fell across southern Volusia County. Tropical Storm Fay's primary impact was inland flooding. Rainfall amounts ranged from three to five inches over Miami-Dade and Broward counties and seven to 10 inches over northern Collier, Hendry and Glades counties near the center path of Fay. Storm surges were relatively minimal for this tropical storm. In Florida, wind damage was confined to mostly downed trees and power lines, plus minor roof damage to homes. Homes, personal property and motor vehicles were the primary damage losses in the United States. Volusia County reported damages in excess of $13.5 million. The total damage estimate, compiled by Property Claim Services, is $245 million, including $195 million in Florida. Flood damage losses reported by the National Flood insurance Program were about $36 million.

**Tropical Storm Sandy, 2012:** A New Smyrna Beach mesonet site (XNSB) recorded sustained north winds of 43 mph and other spotter reports confirmed tropical storm winds along the immediate coast of Volusia County. Gusts of 50-55 mph occurred, especially during passing squalls. Hurricane Sandy moved slowly northwest, parallel to the Florida Coast, approximately 200-250 miles offshore.

**Hurricane Matthew, 2016:** Matthew paralleled the Florida coast, remaining just offshore as a Category 3 hurricane. The eye reached its closest point of approach to land, only 25 miles east of Cape Canaveral near 0800LST on October 7, and was 35 miles east of Daytona Beach around 1100LST, as it continued moving northwest, just offshore the northeast Florida coast. Hurricane force winds (sustained or frequent gusts) affected coastal areas from Vero Beach northward, extending inland across the mainland portions of Brevard and Volusia Counties, with tropical storm force winds experienced across much of the remainder of east-central Florida.

**Hurricane Irma, 2017:** Hurricane Irma made a northerly turn toward Florida on Sunday, September 10. Hurricane Irma had maximum sustained winds of 185 MPH at its peak in the Atlantic Ocean, which maintained for over 35 hours, making it one of the strongest storms on record in the Atlantic basin. Making its second continental U.S. landfall, Irma slowly weakened as it continued north northwestward across north Florida and southwest Georgia through Monday September 11.

**Hurricane Dorian, 2019:** On September 1, Dorian reached Category 5 intensity, with maximum sustained winds of 185 mph, and a maximum central pressure of 910 mb (26.87 inHg) while making landfall in Elbow Cay, Bahamas. Dorian made another landfall on Grand Bahama several hours later. The ridge of high-pressure steering Dorian westward collapsed on September 2, causing Dorian to stall just north of Grand Bahama for about a day. It is the strongest known system to impact the Bahamas. A combination of cold-water upwelling and an eyewall replacement cycle weakened Dorian to a Category 2 hurricane the next day. On the morning of September 3, Dorian began to move slowly towards the north-northwest.

**Hurricane Ian, 2022:** After making landfall as a major hurricane in southwest Florida near Cayo Costa, Ian crossed the peninsula and into east central Florida (southern Osceola County) as a Category 1 Hurricane with estimated maximum sustained winds of 75 mph. The system was downgraded to a tropical storm shortly thereafter and emerged into the Atlantic Ocean near Cape Canaveral. Ian's slow movement and

large wind field led to a long period of tropical storm force winds across all east central Florida, as well as hurricane force gusts in squalls and historic rainfall and flooding across parts of the area. Widespread rainfall totals of 4 to 8 inches were reported throughout the area, with a corridor of 10 to 20 inches across Osceola, Orange, Seminole, Volusia, and northern Brevard counties. The maximum observed rainfall total was 21.09 inches in Spruce Creek, Volusia County. The St. Johns River experienced historic rises with record crests set at Astor, DeLand, Sanford, and Lake Harney in the days and weeks following Ian's heavy rainfall. A tornado briefly touched down and crossed US-192 in rural Brevard County with no damage to structures reported. Persistent onshore flow before and during the storm led to water level rises (storm surge) of 1-3 feet along east central Florida, bringing moderate to severe beach erosion, with the most significant effects noted in Volusia County. Collectively, the effects of Hurricane Ian led to 15 storm-related fatalities (6 direct and 9 indirect) and between $800-900M in property damage across east central Florida.

**Hurricane Nicole, 2022:** Hurricane Nicole made landfall near Vero Beach, Florida as a Category 1 Hurricane on Thursday, November 10, 2023, with estimated maximum sustained winds of 75 mph. The system was originally classified as a subtropical storm after forming several hundred miles east of the Bahamas before it gained tropical characteristics as it approached Grand Bahama and Abaco Island. The interplay between Nicole and an expansive area of high pressure over the eastern United States produced a large wind field of tropical storm force over the western Atlantic, with a long northeast fetch that stretched over 1000 miles. These onshore winds generated very large seas more than 30 feet offshore, which over multiple unusually high tide cycles led to moderate to severe beach erosion across east central Florida. Damage to coastal structures was extensive, particularly across Volusia County where an already weakened shoreline due to Hurricane Ian succumbed to the long-duration high surf event.

**Hurricane Helene, 2024:** Volusia County began experiencing impacts from Hurricane Helene overnight on September 25 as the storm advanced closer to the Big Bend area. Hurricane Helene’s closest approach to Volusia County occurred on the afternoon of September 26. Volusia County experienced 0.5 to 1.5 inches of rain and wind gusts between 45 to 55 mph. There were no injuries, fatalities, or evacuations and damage consisted of fallen trees and powerlines. Throughout Hurricane Helene, Volusia County had tornado watches, tornado warnings, and wind advisories.

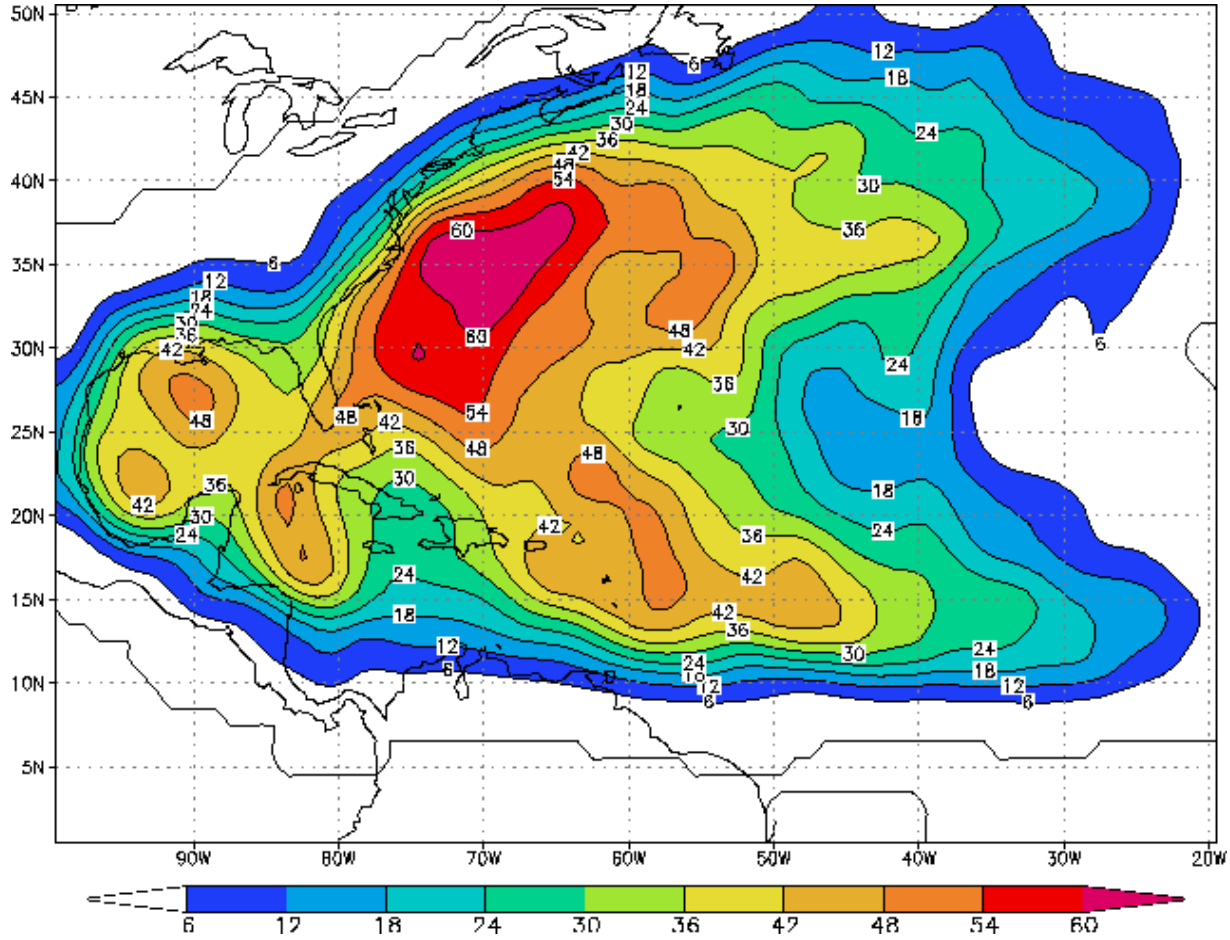
**Hurricane Milton, 2024:** Volusia County began experiencing impacts from Hurricane Milton on Wednesday, October 09 as the storm advanced closer to the west coast and approached landfall. Hurricane Milton’s closest approach to Volusia County occurred overnight from October 09 to October 10. Volusia County experienced 7 to 17 inches of rain and wind gusts between 50 and 99 mph with one observation near Ponce Inlet recorded at 99 mph. The St. John’s River entered major flood stage at both Astor and DeLand. There were two direct fatalities and two indirect fatalities due to Milton. Damage consisted of downed trees, powerlines, and flooding with many public, residential, and commercial property damages. Throughout Hurricane Milton, Volusia County had tropical storm warnings, hurricane watches, hurricane warnings, tornado watches, tornado warnings, flood watches, flood warnings, and wind advisories

## Probability of Future Occurrences

The probability of future hurricanes and tropical storm events for Volusia County is high. According to NOAA statistical data, Volusia County is in an area with an annual probability of a named storm between 36 and 42 percent.

**Section 5 Figure 20** below shows for any location what the chance is that a tropical storm or hurricane will affect the area sometime during the Atlantic hurricane season. This illustration was created by NOAA's Hurricane Research Division using data from 1944 to 1999 and counting hits when a storm or hurricane was within approximately 100 miles (165 km) of each location.

**Section 5: Figure 20: Empirical Probability of a Named Hurricane or Tropical Storm**




Source: National Oceanic and Atmospheric Administration

The probability of storm occurrences will vary significantly based on the return interval for different categories of magnitude. The probability of less intense storms (lower return periods) is higher than more intense storms (higher return periods). The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts from tropical cyclones and that future mitigation and adaptation strategies related to this hazard should be considered.

## 5.12 WILDLAND FIRE

### Background

A wildfire is any fire occurring in a wildland area (i.e. grassland forest, brush land) except for fire under prescription.[24] Wildland fires are part of the natural management of forest ecosystems but may also be caused by human factors. Nationally, over 80 percent of forest fires are started by negligent human behavior such as smoking in wooded areas or improperly extinguishing campfires. The second most common cause for wildland fire is lightning.

There are three classes of wildland fires: surface, ground and crown fire. A surface fire is the most common of these three classes and burns along the floor of a forest, moving slowly and killing or damaging trees. A ground fire (muck fire) is usually started by lightning or human carelessness and burns on or below the forest floor. Crown fires spread rapidly by wind and move quickly by jumping along the tops of trees. Wildland fires are usually signaled by dense smoke that fills the area for miles around.

Wildfire probability depends on local weather conditions, outdoor activities such as camping, debris burning, and construction, and the degree of public cooperation with fire prevention measures. Drought conditions and other natural hazards (such as tornadoes, hurricanes, etc.) increase the probability of wildland fire by producing fuel in both urban and rural settings. Forest damage from hurricanes and tornadoes may also block interior access roads and fire breaks; pull down overhead power lines, or damage pavement and underground utilities.

Many individual homes and cabins, subdivisions, resorts, recreational areas, organizational camps, businesses and industries are located within high wildfire hazard areas. Further, the increasing demand for outdoor recreation places more people in wild lands during holidays, weekends and vacation periods. Unfortunately, wildland residents and visitors are rarely educated or prepared for wildfire events that can sweep through the brush and timber and destroy property within minutes.

Wildfires can result in severe economic losses as well. Businesses that depend on timber, such as paper mills and lumber companies, often experience losses that are passed on to consumers through higher prices. In some cases, this has resulted in the loss of jobs. The high cost of responding to and recovering from wildfires can deplete state resources and increase insurance rates. The economic impact of wildfires can also be felt in the tourism industry if roads and tourist attractions are closed due to health and safety concerns.

State and local governments can impose fire safety regulations on home sites and developments to help curb wildfire. Land treatment measures such as fire access roads, water storage, helipads, safety zones, buffers, firebreaks, fuel breaks and fuel management can be designed as part of an overall fire defense system to aid in fire control. Fuel management, prescribed burning, and cooperative land management planning can also be encouraged to reduce fire hazards.

[24] Prescription burning, or “controlled burn,” undertaken by land management agencies is the process of igniting fires under selected conditions, in accordance with strict parameters.

## Location and Spatial Extent

Volusia County and its jurisdictions are not uniformly exposed to wildland fire risk. Although the county typically receives a high amount of precipitation each year (around 50 inches), there is a risk of wildfire due to the hot, dry summer months. Further, drought and drought-like conditions may occur which could increase the probability of wildfire occurrence.

The wildfire potential for Volusia County is shown in **Section 5: Figure 19**. All areas of the county may be susceptible to wildfire, and the wildland-urban interface is an area of concern as more property may be at risk of fire damage in these areas. This hazard occurs in the southern, western, and central parts of the county most likely; although, there are pockets of wildland fire locations dispersed across the county.

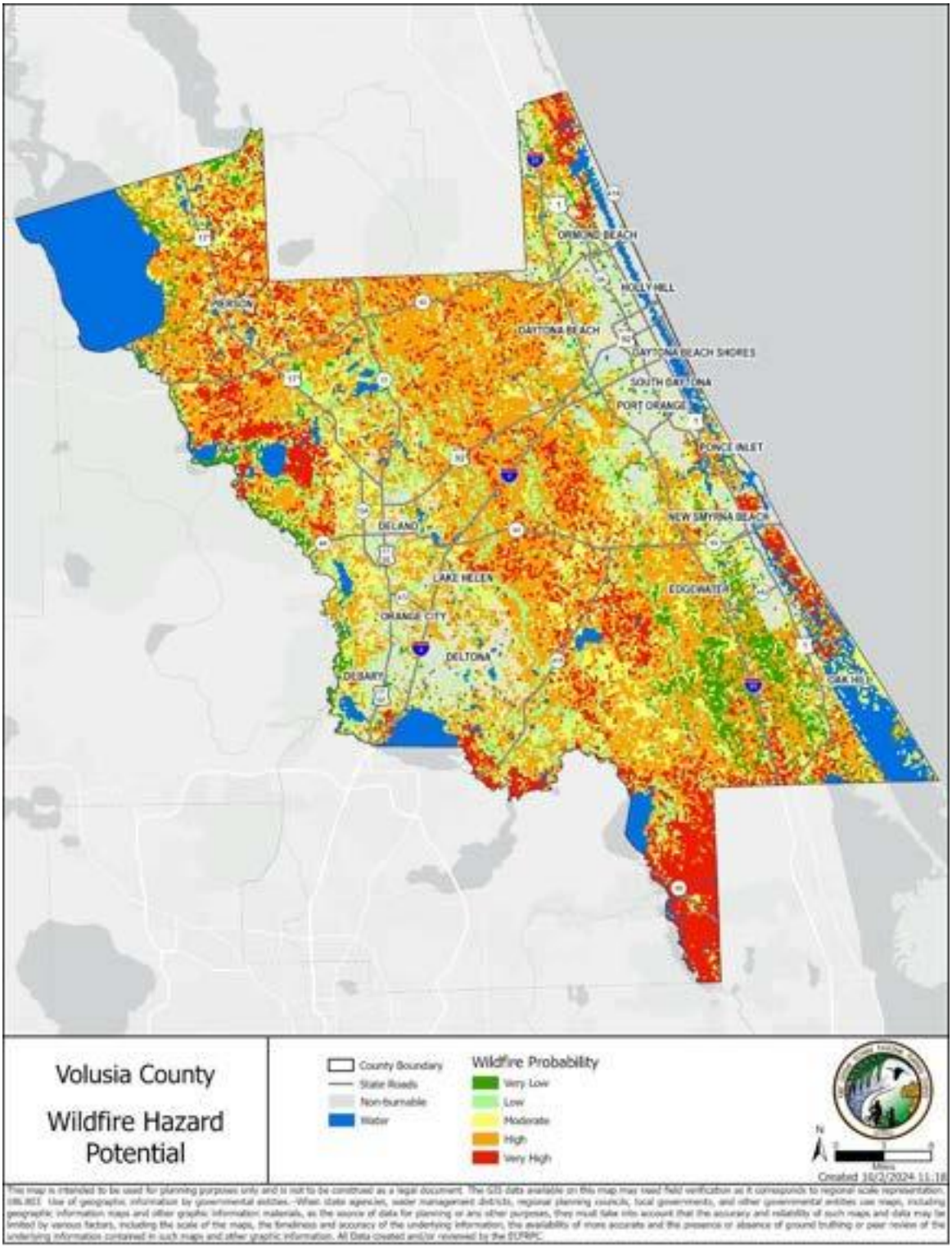
The extent of fire weather can be determined in two ways. A Fire Weather Watch is issued to alert fire officials and firefighters of potentially dangerous fire weather conditions within the next 24 to 36 hours. They are issued when the following three criteria are met:

1. Surface relative humidity (RH) less than 30 % for VA and MD; RH less than or equal to 25% for WV AND
2. Sustained surface wind of 20 MPH or greater AND
3. 10-hour fuel moisture less than 8% for VA; less than or equal to 8% for MD and WV

A Red Flag Warning is issued to alert fire officials and firefighters of potentially dangerous fire weather conditions within the next 12 to 24 hours. They are issued when the following three criteria are met:

1. Surface relative humidity (RH) less than 30 % for VA and MD; RH less than or equal to 25% for WV AND
2. Sustained surface wind of 20 MPH or greater AND
3. 10-hour fuel moisture less than 8% for VA; less than or equal to 8% for MD and WV

**Section 5: Figure 21: Wildland Fire Risk in Volusia County**




Source: U.S. Forest Service

## Historical Occurrences

According to the Florida Division of Forestry, Florida experiences an average of 3,060 wildfires annually, burning nearly 154,000 acres[25]. The most common cause of Florida wildfire events is lightning which ignited over 700 fires annually between 2000 and 2009. Volusia County experienced 1,306 fires that burned over 22,600 acres between January 2000 and August 2009. Lightning caused nearly half of these fires. **Section 5: Table 17** lists the number of reported wildfire occurrences in Volusia County between the years 2001 and 2018.

**Section 5: Table 17: Historical Wildfire Occurrences in Volusia County (2001-2018)**

| YEAR | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | Annual Average |
|---|---|---|---|---|---|---|---|---|---|---|
| # of Fires | 116 | 31 | 71 | 145 | 64 | 213 | 195 | 121 | 127 | 120 |
| Acres Burned | 383 | 371 | 2,011 | 746 | 198 | 5,037 | 1,826 | 1,482 | 8,839 | 2,321 |
| YEAR | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | Annual Average |
| # of Fires | 128 | 237 | 208 | 104 | 74 | 104 | 174 | 132 | TBD | 145 |
| Acres Burned | 672 | 8,952 | 3,832 | 1,404 | 626 | 788 | 1,421 | 1,150 | TBD | 2,355 |

Source: Florida State Fire Marshal Report

It should also be noted that 1998 was a particularly significant year for wildland fires in Volusia County. That year, drought conditions were prevalent throughout the County. A total of 233 wildfires were reported, the largest single cause being lightning. In all, over 163,000 acres were burned. The fires threatened 29,000 homes and hindered travel as wildfires jumped highways. However, after weeks of burning, just six houses, one mobile home, and two businesses were destroyed, totaling $2.1 million ($2,889,598; 2009 dollars). Timber, conversely, took the brunt of the damage with losses of over $60 million ($85,570,222; 2009 dollars). No fatalities or civilian injuries were reported but ten firefighters did have minor injuries.

These events have had devastating impacts on Volusia County. Homes and businesses have been damaged or destroyed, causing economic and social hardship, while several agricultural resources (such as timber, as described above) have been lost in these events. Families and vulnerable populations can be displaced temporarily or permanently by these events, while businesses can be lost forever. Human life is also at great risk to fires, as fires can quickly consume buildings and prevent escape. Smoke inhalation is a common cause of death due to fire, rather than the fire itself. Updating and enforcing building codes can help prevent fire disasters.

One of the largest fires recorded in Volusia County over the last decade was the Iron Horse Fire, which occurred in 2011 in southeastern Volusia County. Approximately 17,000 acres burned during this event, and a full Fire Operations Center (FOC) activation was executed. One mobile home, three outbuildings and three camp structures were destroyed, while 140 total structures were threatened. Interstate 95 was completely shut down due to smoke limiting driver visibility (intermittently over a two-day period), and a firefighter was injured during the event. Also, in 2011, the Maytown Road Fire burned approximately

[25] Average information based on information between January 2000 and August 2009.

2,500 acres of land and affected local weather conditions by increasing cloud coverage. In 2012, several smaller fires affected the DeLand and DeBary areas of Volusia County.

In March 2013, the Durrance Road Fire destroyed 1,100 acres and forced evacuations of unincorporated areas of Volusia County near the Flagler County line west of Interstate 95. Approximately 300 homes were evacuated during this event. Interstate 95 from US1 to SR40 was shut down due to smoke.

## Probability of Future Occurrences

There is a high probability of future wildfire events in Volusia County, especially during drought cycles and abnormally dry conditions, based on prior occurrence. Volusia County experienced nearly 130 wildfires per year from 2000 – 2008. As development continues to grow, there is an increasing chance for wildfires to reach the urban interface. This will increase the probability of economic loss and fatalities.

The Local Mitigation Strategy recognizes that with a changing climate, there is a potential for an increasing risk of environmental impacts from wildfire and that future mitigation and adaptation strategies related to this hazard should be considered.

# MANMADE HAZARDS

## 5.13 CIVIL DISTURBANCE

### Background

Civil disturbances can occur due to socio-economic, political or other reasons. Events of civil disturbances can be classified as armed violence, riots, protests, and threats against the military or the government. The proper planning and prevention methods aid in the mitigation of such events. For threats of civil disturbance utilizing armed violence, it is likely that joint jurisdictional management of operations will take effect, coordinated at the county level between the Sheriff's Office, Florida Department of Law Enforcement (FDLE), and the Office of Emergency Management. These types of events typically occur in public places.

According to FEMA, civil disturbance is an activity such as a demonstration, riot, or strike that disrupts a community, and requires intervention to maintain public safety and order. Most protestors are law abiding citizens who intend their protest to be nonviolent. However, sometimes these situations become highly emotional and tense and can turn a peaceful crowd into a violent riot. Most crowds are orderly, nonviolent, and do not cause problems for authorities, but there are three types of crowds that can create a civil disturbance:

- **Public Disorder**: the basic breach of civic order, meaning the crowd tends to disrupt the normal flow of operations around them, such as traffic
- **Public Disturbance**: a demonstration that is designed to cause turmoil and disruption. These crowds chant, yell, and sing to voice collective opinions
- **Riot**: when a disturbance turns violent. The crowd suddenly becomes a mob that violently expresses itself by destroying property, assaulting others, and creating an extremely volatile environment

### Location and Spatial Extent

Civil disturbances tend to occur in urban areas but can occur anywhere. These types of events typically occur in public gathering places, including court houses or civic spaces. While the spatial extent of the hazard would be 25% or less, civil disturbances could have county-wide effects.

### Historical Occurrences

Civil Disturbances have been occurring since the beginning of time. There are several examples of civil disturbances in Florida in recent years. Some significant events that have impacted Central Florida and Volusia County through racially charged protests are outlined.

- **2012**: Trayvon Martin's death in Sanford, Florida. There were public protests, school walk outs, and thousands of planned rallies across the nation.
- **2020**: George Floyd's death in Minneapolis, Minnesota; Breonna Taylor's death in Louisville, Kentucky; Ahmaud Arbery's death in Brunswick, Georgia.
- **2021**: Othal Wallace's arrest for the death of a Daytona Beach police officer.

## Probability of Future Occurrences

It is likely that occurrences of civil disturbance will continue in the future. There have been several in Florida in previous years and protesting is a fundamental right protected by the US Constitution; therefore, civil disturbances will continue into the future.

## 5.14 MASS MIGRATION

### Background

Mass-migration occurs when people of one geographic area move in large numbers to another geographic location. According to United States Code Title 8, Chapter 12 (8 U.S.C. § 1101), the definition of mass migration is a migration of undocumented aliens that is of such magnitude and duration that it poses a threat to the national security of the United States.

This usually refers to an event, or series of events, that may take place over the course of several years or even decades. The event could be economic, social, or political in nature but it is something that causes a mass exodus.

### Location and Spatial Extent

There are no particular geographic areas in Volusia County with a more ideal jurisdiction for this hazard to take effect. Volusia County contains the intersection of the state's two busiest highway systems, I-95 and Interstate 4 (I-4). Because Volusia County is the intersection of these two major state transportation networks, people traveling from any direction of the state might travel to or through the area as refugees. The county also contains State Road A1A (SR A1A) which runs north and south through the entire county. Florida's proximity to the Caribbean basin makes it a vulnerable point of entry for a massive influx of refugees entering the United States. The spatial extent of this hazard would affect less than 25% of the geographical area.

### Historical Occurrences

The United States has often been seen as a golden refuge for many immigrants, especially those in poor economic circumstances. Major policy changes can be a driving cause for mass migration. Since 1995, the "wet-foot, dry-foot" policy has allowed Cubans who reach American soil a fast-tracked path to citizenship. The policy was reversed by Former President Barak Obama in 2016, making the Cuban immigration process the same as any other immigrant. President Donald Trump's first administration took a strict stance on immigration, leading many Cubans to flock to America before he took office. The U.S. recorded increased Cuban Refugees from 2015 and 2016. According to the US Coast Guard, 7,358 Cubans tried to enter the U.S. illegally in the 2015-2016 fiscal year and were intercepted. Meanwhile 50,082 Cubans managed to enter (38,310 illegally and 11,772 with visas) in that same period.

**Section 5: Table 18: Mass Migration Occurrences**

| Year | Description |
|---|---|
| 2010 | January – Operation Haiti Relief after an earthquake brought displaced and some injured people through Orlando Sanford International Airport. |
| 2017 | Hurricane Maria – mass migration of evacuees from the island of Puerto Rico to the Central Florida area after the hurricane. Over 250 families resettled in Seminole County and over 6,500 in Central Florida. |
| 2024 | March of 2024, overwhelming gang violence and the overthrow of the Haitian government caused mass evacuations of American citizens from Haiti back to the United States. |

While Florida typically has a fast-growing population, many local municipalities are facing pressures from the booming population moving legally from other parts of the country in recent years. In the post-World War II era after 1946, Florida's percentage increase in population each year fluctuated but has always been positive. Between 2010 and 2020, national growth dipped from 0.9% to 0.5% each year while Florida's increases ranged from 1.0% to 2.0%. In 2022, Florida's growth was nearing 1.9%, not high compared to past gains but still the fastest among the states.

## Probability of Future Occurrences

It is possible that any Florida county could be impacted by refugees and migrants. Florida is in proximity to islands such as Cuba, Puerto Rico, Dominican Republic and Haiti, and the Gulf Coast is within proximity of Mexico. Mass migration can also occur domestically due to an impending hazard causing large groups of citizens to head north or inland to other counties to evacuate. The probability of a migration influx in Florida is perceived to be high, and planning must be done to ensure safety and security. As political unrest and large-scale natural disasters continue to increase within the Caribbean and South American regions, people will continue to migrate throughout Florida.

The overall vulnerability of mass migration and repatriation in Volusia County and its jurisdictions is low. While lack of housing and community resources could be a concern with mass migration, due to the low probability and lack of physical impacts, Volusia County is not extremely vulnerable to this hazard. Each jurisdiction is equally vulnerable to this possibility.

## 5.15 TERRORISM

### Background

Terrorism includes any attempt to attack, cripple or damage public goods, public infrastructure or citizens on a large scale. Volusia County should be prepared for a terrorist-related event that could occur with or without notice. Since terrorism can take many different forms, including weapons of mass destruction, and be directed at many kinds of targets, it poses some very complex, technical problems in planning and response. **Section 5: Table 19** displays the types of terrorism Volusia County is susceptible to.

**Section 5: Table 19: Types of Possible Terrorism**

| Types of Terrorism | Description |
|---|---|
| Agro-Terrorism | The deliberate introduction of disease-causing organisms and chemicals into the food supply through agriculture. It could impact the public if crops or agricultural foods contaminated with disease-causing organisms were to enter the food chain. The secondary effects of which can be disease, famine and massive economic loss. |
| Cyber Terrorism | Unlawful attacks and threats of attack against computers, networks, and the information stored therein; and used to intimidate or coerce a government or its people in furtherance of political or social objectives. |
| Domestic Terrorism | Violent, criminal acts committed by individuals and/or groups to further ideological goals stemming from domestic influences, such as those of a political, religious, social, racial, or environmental nature. |
| International Terrorism | Violent, criminal acts committed by individuals and/or groups who are inspired by, or associated with, designated foreign terrorist organizations or nations (state-sponsored). |

### Location and Spatial Extent

Violent events can happen at any time at any place. Terrorism can be targeted at large gatherings, such as concerts or shopping malls, as has been seen in previous occurrences across the country. Event centers like the Daytona Beach Speedway and the Daytona Beach Ocean Center are indicated locations. But because terrorism thrives on fear, places such as community spaces, civic buildings, or historical monuments need additional precautions. A terrorist attack would most likely be very localized and isolated and impact less than 25% of the geographic area of the County, however effects could be county-wide.

### Historical Occurrences

The nation as a whole has been affected by various acts of terrorism. Cyber terrorism is becoming an increasing threat, and residents are particularly vulnerable to subtle attacks such as credit card fraud. **Section 5: Table 20** outlines two major acts of terrorism.

**Section 5: Table 20: Historical Occurrences of Terrorism**

| Year | Description |
|---|---|
| 2016 | At 2:00 AM on June 12, 2016, an active shooter walked into Pulse Nightclub in Downtown Orlando, FL, and opened fire into the crowd of approximately 300 people. One hundred two (102) people were directly impacted as 49 people were killed and 53 were injured. Another five people had non–gunshot related injuries. The attack began as an active shooter incident, transitioned into a hostage situation, and ended around 5:15 AM. It was one of the deadliest terrorist attacks in the United States since September 11, 2001. With assistance from various agencies and organizations around the area, victims were evacuated and transported. |
| 2023 | ABB (a leading technology electrification and automation company that works with public and private organizations) determined that an unauthorized third-party accessed the company's systems. Black Basta ransomware was deployed that shut down business operations. The company was forced to terminate VPN connections with various customers to prevent the spread of the ransomware to other networks. |

## Probability of Future Occurrences

Any community can be impacted by terrorism. Each year domestic terrorism increases across the country and becomes more deadly. There are no discernable patterns or methods to indicate the probability of future occurrence. Because terrorist attacks can take many forms and include many types of weapons, it is difficult to reduce the county's overall vulnerability to these incidents. First response agencies attempt to reduce vulnerability through prevention tactics and intelligence sharing. No jurisdiction in Volusia County is more vulnerable to attack than another.

# TECHNOLOGICAL HAZARDS

## 5.16 COASTAL OIL SPILL

### Background

Coastal oil spills pose a threat to human health and safety and frequently result in significant impacts to natural and cultural resources. Thousands of oil spills occur in U.S. waters each year. Most of these spills are small (e.g., oil spills while refueling ships), but these spills can still cause harm, especially if they happen in sensitive environments, like beaches, mangroves, and wetlands. Large oil spills are major and dangerous disasters. This tends to happen when pipelines break, big oil tanker ships sink, or drilling operations fail. Consequences to ecosystems and economies can be felt for decades following a large oil spill.

An oil spill is the release of liquid petroleum hydrocarbon into the environment, especially marine areas, due to human activity. The term is usually applied to marine oil spills, where oil is released into the ocean or coastal waters, but spills may also occur on land.

### Location and Spatial Extent

Oil spills can happen anywhere oil is drilled, transported, or used. While oil spills would primarily affect the Gulf coast of Florida, oil spills can negatively affect tourism and ecological conditions on the Atlantic coast of Florida. The location of these incidents would be located within these large bodies of water.

### Historical Occurrences

In 2010, an explosion occurred on the Deepwater Horizon drilling platform in the Gulf of Mexico. The explosion, which killed 11 men, caused the rig to sink and started a catastrophic oil leak from the well. The spill took three months to cap and approximately 134 million gallons of oil spilled into the Gulf, becoming the largest offshore oil spill in U.S. history. The economic impacts to commercial and recreational fishing for the period between 2010–2020 are a loss of roughly 24,000 job-years, $2.1 billion in industry output, $1.1 billion in total value-added or Gross Regional Product, $650 million in labor income, $140 million in state and local tax revenues, and $160 million in federal tax revenues. In addition, The Deepwater Horizon spill resulted in the largest natural resource damage assessment ever undertaken. The parties responsible owed a record-setting settlement with BP Exploration & Production for an unprecedented $5.5 billion Clean Water Act penalty and up to $8.8 billion in natural resource damages.

Although this incident did not happen in Volusia County, it severely impacted the state of Florida because the spill took place off the shore of Louisiana and impacted the Gulf of Mexico which runs along Florida's west coast. The economic condition of the county could be seriously impacted by a coastal oil spill event. During the Deepwater Horizon oil spill, tourism in Volusia County suffered since people thought all of Florida was impacted. In the event of another spill, the charter fishing industry would likely be devastated. If a coastal oil spill were to occur in Volusia County, tourism would greatly decrease, and tax revenue would be severely impacted.

## Probability of Future Occurrences

Although there are no documented major oil refineries in the central Florida region, there are thousands in the Gulf of Mexico. The likelihood of a coastal oil spill directly impacting Volusia County is low, but any ships transporting oil in the Atlantic Ocean pose a threat.

## 5.17 CRITICAL INFRASTRUCTURE FAILURE

### Background

Critical infrastructure failures refer to the disruption of public utility services such as drinking water, stormwater and wastewater collection/treatment, electric power, transportation, supply chains systems that support food and fuel, and communications. These services contribute to the economic well-being and public health and safety of the communities they serve. A critical infrastructure failure can occur from a cascading emergency such as terrorism or a hurricane.

Widespread power outages can occur without warning. Generally warning times will be short in the case of technological failure, such as a fire at a sub-station, traffic accident, human error, or terrorist attack. In cases where a power failure is caused by natural hazards, greater warning time is possible. For example, high wind events such as tornados and hurricanes often cause widespread power failure and are often forecasted before they affect a community so that residents can prepare.

The Federal Highway Administration's (FHWA) 2000 Traffic Incident Management Handbook defines a major traffic disturbance as "any non-recurring event that causes a reduction of roadway capacity or an abnormal increase in demand". Under this definition, events such as traffic crashes, disabled vehicles, spilled cargo, highway maintenance, reconstruction projects, and special non-emergency events (e.g., ball games, concerts, or any other event that significantly affects roadway operations) are classified as an incident.

### Location and Spatial Extent

All of Volusia County is at risk of critical infrastructure failure as there are numerous facilities throughout the county, making a direct location difficult to identify. Locations could range from traffic light intersections to wastewater facilities. Impacts from disruption could impact more than 50% of the county, but most likely would have county-wide effects. Critical infrastructure failures are usually localized and are usually the result of a natural hazard event involving flooding or high winds, like hurricanes. A major transportation incident would mostly involve a highway or roadway, but the county's airports and proximity to major water systems poses a threat to an incident taking place.

### Historical Occurrences

Many critical infrastructure failures resulted as a cascading impact from a natural hazard, such as a hurricane. As recently as October 2024, Hurricane Milton swept through Florida and resulted in more than 3.2 million power losses. 77% of all homes and businesses in the combined Volusia County/Flagler County area, according to newly revised numbers from the Florida Public Service Commission. At least 305,152 customers lost power out of the 395,582 total served in the two-county area.

In May 2024, the strongest geomagnetic storm in twenty years hit Earth causing disruptions to power grids, broadband technology, and GPS satellites in space.

### Probability of Future Occurrences

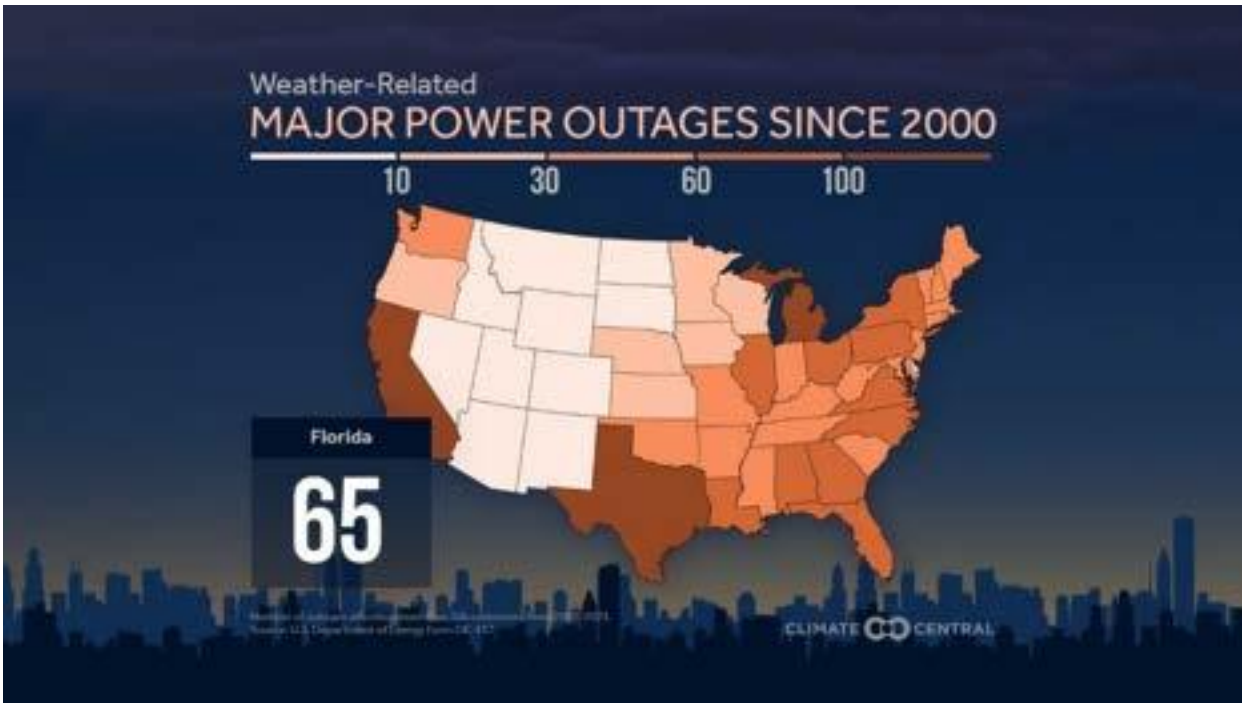
While the probability of future utility service disruption in Volusia County is difficult to predict, past outages indicate that significant failures have and will occur because of natural hazards, technological

failures, and outdated utility infrastructure. As infrastructure ages beyond its intended lifespan, it is likely to become less reliable and lead to higher likelihoods of failure.

In addition, climate change may also impact the probability of utility failure occurrences because of an increase in the frequency and intensity of severe weather events. Storms with high winds will increase the chance that the power-related infrastructure will be impacted. Extreme temperatures are predicted to have an impact as well. During the hot summer months, the potential for power overload will grow as demand for power increases due to air conditioning units having to work harder. Extreme heat can also lead to transformer failures because the electric distribution equipment does not have the opportunity to cool sufficiently between periods of heavy use, leading to blackouts. **Section 5 Figure 22** displays the number of weather-related major power outages since 2000.

The power grid is essential, yet vulnerable. Florida is the third-largest electricity consumer in the nation. Disruptions can be minimized by providing a diverse set of utility service sources. If a particular system fails or is attacked, alternative sources can minimize impacts and provide the support to get operations back to normal.

**Section 5: Figure 22: Weather-Related Major Power Outages Since 2000**




Source: Climate Central[26]

[26] https://www.climatecentral.org/graphic/surging-weather-related-power-outages?graphicSet=Weather-related+Outages+by+State&location=Florida&lang=en on December 26, 2024

As population continues to rise in the area and the need for transportation increases, accidents will continue to rise. While most are expected to be minor, the possibility of a major event increases. Automobiles pose the most risk, but other examples include:

- **Aviation**: Volusia County has numerous airports throughout the county which present the possibility of traffic disruptions in the event of an aviation-related crash. General aviation aircraft pass over the county en-route to and from Daytona, Orlando, Sanford, Jacksonville, and other small airports located around Volusia County.
- **Marine**: The county is located on the Atlantic Ocean, Halifax River, Indian River Lagoon, and Mosquito Lagoon which provides traffic on water transportation routes. The Tomoka River and other local waterways consists of mostly recreational/sports activities.

## 5.18 HAZMAT / INDUSTRIAL INCIDENT

### Background

Hazardous material (HazMat)/industrial incidents include events when liquid, solid or gaseous chemicals that are harmful or fatal to humans or ecological infrastructure are dispersed. HazMat events occur when liquid, solid, gaseous chemicals, or a combination of all three (which may include dust, fumes, gas, vapor, mist, and smoke)—diffuse into the environment and become harmful or fatal to humans, infrastructure, or ecosystems.

Hazardous waste is dangerous, and can be ignited, corrosive, reactive, or toxic. Paint products, pool chemicals, household cleaners, and pesticides are common examples, but can also include toxic chemicals, fuels, nuclear waste products, biological, chemical, and radiological agents.

### Location and Spatial Extent

There are numerous facilities and plants throughout the county that hold hazardous material. This includes residential and commercial swimming pools that keep dangerous chemicals (liquid, powdered, and gas chlorine, acids, etc.). These chemicals are stored in bulk in several retail stores throughout the county. Chemicals are also used in water and wastewater treatment facilities in Volusia County. Additional threats are created by the transportation of hazardous materials on I-95 and other roadways. The Florida East Coast Railway also runs through the eastern part of the county, which transports hazardous materials along Florida's east coast. **Section 5 Figure 23** displays the variety of locations this hazard can occur at, ranging from waterway systems to major traffic corridors.

Any hazardous material accident would have very localized impacts and would account for less than 25% of the county's geographic area.

### Historical Occurrences

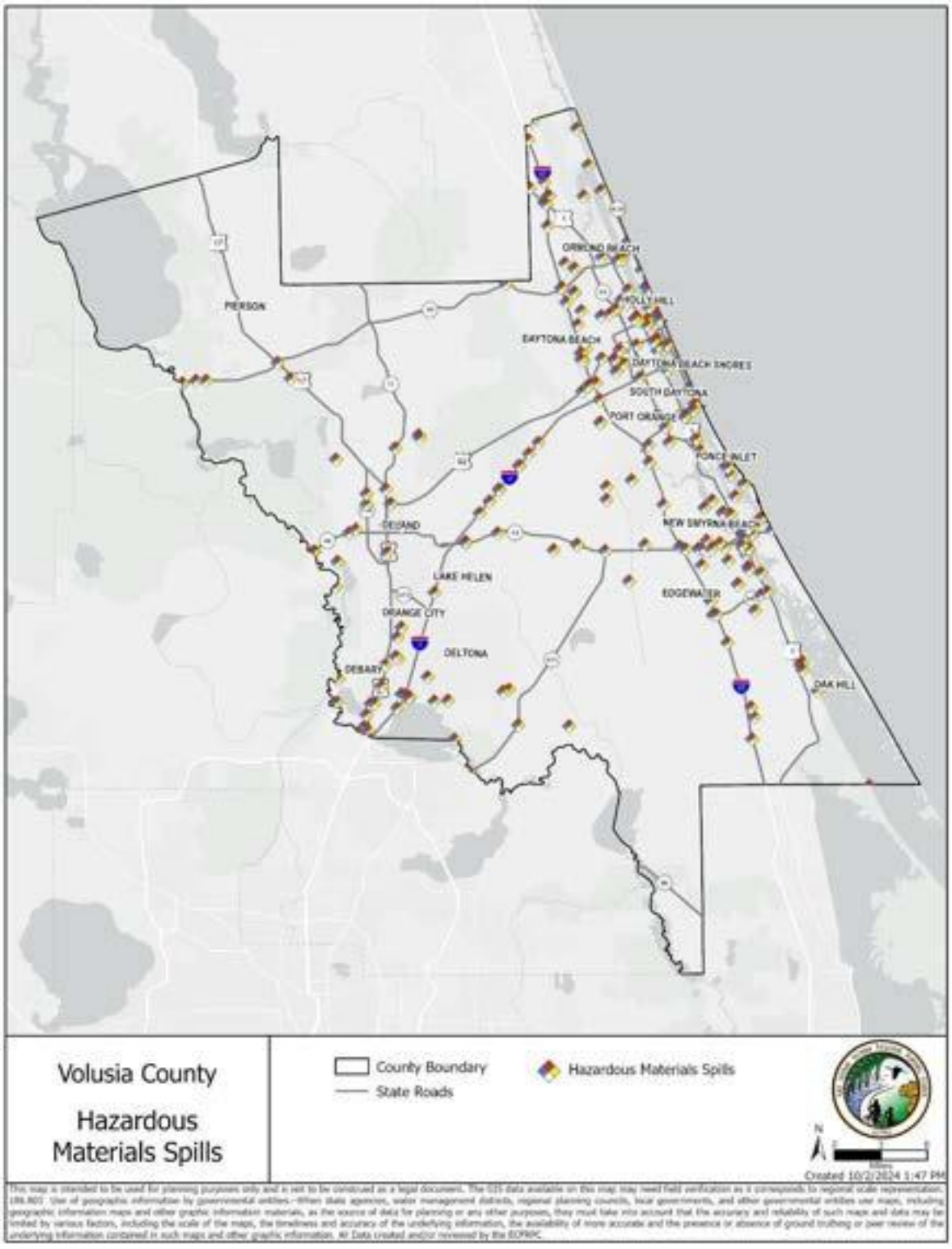
**Section 5 Figure 23** displays recent HazMat incidents in the county. In Ormond Beach on September 7th, 2018, a toxic industrial chemical, Sodium Hypochlorite, was accidentally released from an aboveground tank into a nearby storm drain. A city employee reported that 1,484 gallons of 7% chlorine was released and that the drain discharged into the Halifax River. A dechlorinator was added to the storm drain as part of the cleanup effort.

As recently as May 10, 2022, a citizen reported a possible HazMat issue just south of the Granada Bridge. The citizen reported that approximately two-dozen old, abandoned boats were leaking oil and fuel into the Indian River Lagoon and Halifax River. The boats have been abandoned in this location for 3 to 4 years. This was classified as a petroleum spill and oil release, and although major waterways were affected, no cleanup actions were reported.

### Probability of Future Occurrences

It is likely that HazMat incidents will continue, whether they are reported or not.

**Section 5: Figure 23: Hazardous Spill in County 2019-2024**




Source: FDEP

## 5.18 CONCLUSIONS ON HAZARD RISK

The hazard profiles presented in this section were developed using best available data and result in what may be considered principally a qualitative assessment as recommended by FEMA in its "How-to" guidance document titled *Understanding Your Risks: Identifying Hazards and Estimating Losses* (FEMA Publication 386-2). It relies heavily on historical and anecdotal data, stakeholder input, and professional and experienced judgment regarding observed and/or anticipated hazard impacts. It also carefully considers the findings in other relevant plans, studies and technical reports.

### Hazard Risk Scoring

Volusia County threats and hazards are scored using the Calculation and Rating Score Development (CPRI). Frequency (probability), impact (magnitude/severity), warning time, and duration are the main factors used to assign a score to every hazard. To provide a comprehensive assessment of each hazard, the hazards were scored based on several vulnerability factors including area(s) of impact, health and safety of the population, property, environment, and economic vulnerability. Each of these factors, considered magnitude/severity, has been assigned a number between one and four, based on risk, with four being the greatest. The values then were summed and multiplied by the probability of occurrence factor, which is also a one to four scale. Warning time and duration of each hazard are also considered and factored into the scoring. The resulting value is a risk rating for each hazard. **Section 5: Table 21** provides the CPRI scoring categories and rating system. Further, the Vulnerability Assessment (Section 6) also provides information on hazard vulnerability at the jurisdictional level.

CPRI Calculation and Rating Score Development

**CPRI** = [(Probability X .45) + (Magnitude X .30) + (Warning Time X .15) + (Duration X .10)]

**Section 5: Table 21: CPRI Scoring Categories**

| CPRI CATEGORY | DEGREE OF RISK | | | ASSIGNED WEIGHTING FACTOR |
|---|---|---|---|---|
| | LEVEL ID | DECRIPTION | INDEX VALUE | |
| **Frequency (Probability)** | Highly Likely | • Common events with a well-documented history of occurrence.<br>• Annual probability is greater than 1. | 4 | 45% |
| | Likely | • Frequent occurrences with at least two or more documented historical events.<br>• Annual probability is between 1 and 0.1. | 3 | |
| | Possible | • Infrequent occurrences with at least one documented or anecdotal historic event.<br>• Annual probability is between 0.1 and 0.01. | 2 | |
| | Unlikely | • Rare with no documented history of occurrences or events.<br>• Annual probability of less than 0.01. | 1 | |
| **Magnitude / Severity** | Catastrophic | • Severe property damages (greater than 50% of critical and non-critical facilities and infrastructure).<br>• Injuries or illnesses result in permanent disability and multiple deaths.<br>• Shut down of critical facilities for more than 1 month. | 4 | 30% |
| | Critical | • Moderate property damages (greater than 25% and less than 50% of critical and non-critical facilities and infrastructure).<br>• Injuries or illnesses result in permanent disability and at least 1 death.<br>• Shut down of critical facilities for more than 1 week and less than 1 month. | 3 | |
| | Limited | • Slight property damages (greater than 5% and less than 25% of critical and non-critical facilities and infrastructure).<br>• Injuries or illnesses do not result in permanent disability and there are no deaths.<br>• Moderate quality of life lost.<br>• Shut down of critical facilities for more than 1 day and less than 1 week. | 2 | |
| | Negligible | • Negligible property damage (less than 5% of critical and non-critical facilities and infrastructure). | 1 | |

| | | | | |
|---|---|---|---|---|
| | | • Injuries or illnesses are treatable with first aid and there are no deaths.<br>• Negligible quality of life lost.<br>• Shut down of critical facilities for less than 24 hours. | | |
| **Warning Time** | Less than 6 hours | Self-explanatory. | 4 | 15% |
| | 6 to 12 hours | Self-explanatory. | 3 | |
| | 12 to 24 hours | Self-explanatory. | 2 | |
| | More than 24 hours | Self-explanatory. | 1 | |
| **Duration** | More than 1 week | Self-explanatory. | 4 | 10% |
| | Less than 1 week | Self-explanatory. | 3 | |
| | Less than 1 day | Self-explanatory. | 2 | |
| | Less than 6 hours | Self-explanatory. | 1 | |

## Final Determinations

The conclusions drawn from the hazard profiling process for Volusia County resulted in the classification of risk for each identified hazard according to three categories: High, Moderate and Low Risk. For the purposes of these classifications, risk is expressed in relative terms according to the estimated impact that a hazard will have on human life and property throughout all of Volusia County. A more quantitative analysis to estimate potential dollar losses for each hazard has been performed separately and is described in the *Vulnerability Assessment* section.

It should be noted that although some hazards are classified below as posing low risk, their occurrence of varying or unprecedented magnitudes is still possible in some cases and their assigned classification will continue to be evaluated during future updates.

| Hazard | Probability | | | | Magnitude/Severity | | | | Warning Time | | | | Duration | | | | CPRI Score |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Unlikely | Possibly | Likely | Highly Likely | Negligible | Limited | Critical | Catastrophic | < 6 hours | 6 - 12 hours | 12 - 24 hours | > 24 hours | < 6 hours | < 24 hours | < 1 week | > 1 week | |
| **NATURAL HAZARDS** | | | | | | | | | | | | | | | | | |
| AGRICULTURE | X | | | | X | | | | | X | | | | | | X | 1.6 |
| COASTAL EROSION | | | | X | | | X | | | | | X | | | | X | 3.25 |
| DROUGHT | | | X | | | | X | | | | | X | | | X | | 2.7 |
| EXTREME TEMPERATURES | | | X | | | | X | | | | | X | | | X | | 2.7 |
| FLOOD | | | | X | | | | X | | | | X | | | X | | 3.45 |
| PUBLIC HEALTH EMERGENCIES | | X | | | | X | | | | X | | | | | | X | 2.35 |
| RISING COASTAL WATER | | | | X | | | | X | | | | X | | | X | | 3.75 |
| SEVERE WEATHER | | | | X | | X | | | X | | | | X | | | | 3.1 |
| TORNADO | | | X | | | | X | | X | | | | X | | | | 2.95 |
| TROPICAL CYCLONES | | | | X | | | | X | | | | X | | | X | | 3.45 |
| WILDLAND FIRE | | | X | | | X | | | X | | | | | | X | | 2.85 |
| **MANMADE HAZARDS** | | | | | | | | | | | | | | | | | |
| CIVIL DISTRUBANCE | | X | | | X | | | | | X | | | | X | | | 1.85 |
| MASS MIGRATION | | X | | | | X | | | | X | | | | | | X | 2.35 |
| TERRORISM | | X | | | | | X | | X | | | | | X | | | 2.6 |
| **TECHNOLOGICAL HAZARDS** | | | | | | | | | | | | | | | | | |
| COASTAL OIL SPILL | X | | | | | X | | | X | | | | | | X | | 1.95 |
| CRITICAL INFRASTRUCTURE FAILURE | | X | | | | | X | | X | | | | | | X | | 2.7 |
| HAZARDOUS MATERIALS / INDUSTRIAL INCIDENT | | | X | | | | X | | | X | | | | | | X | 3.1 |

**Section 5: Table 22: Conclusions on Hazard Risk for Volusia County**

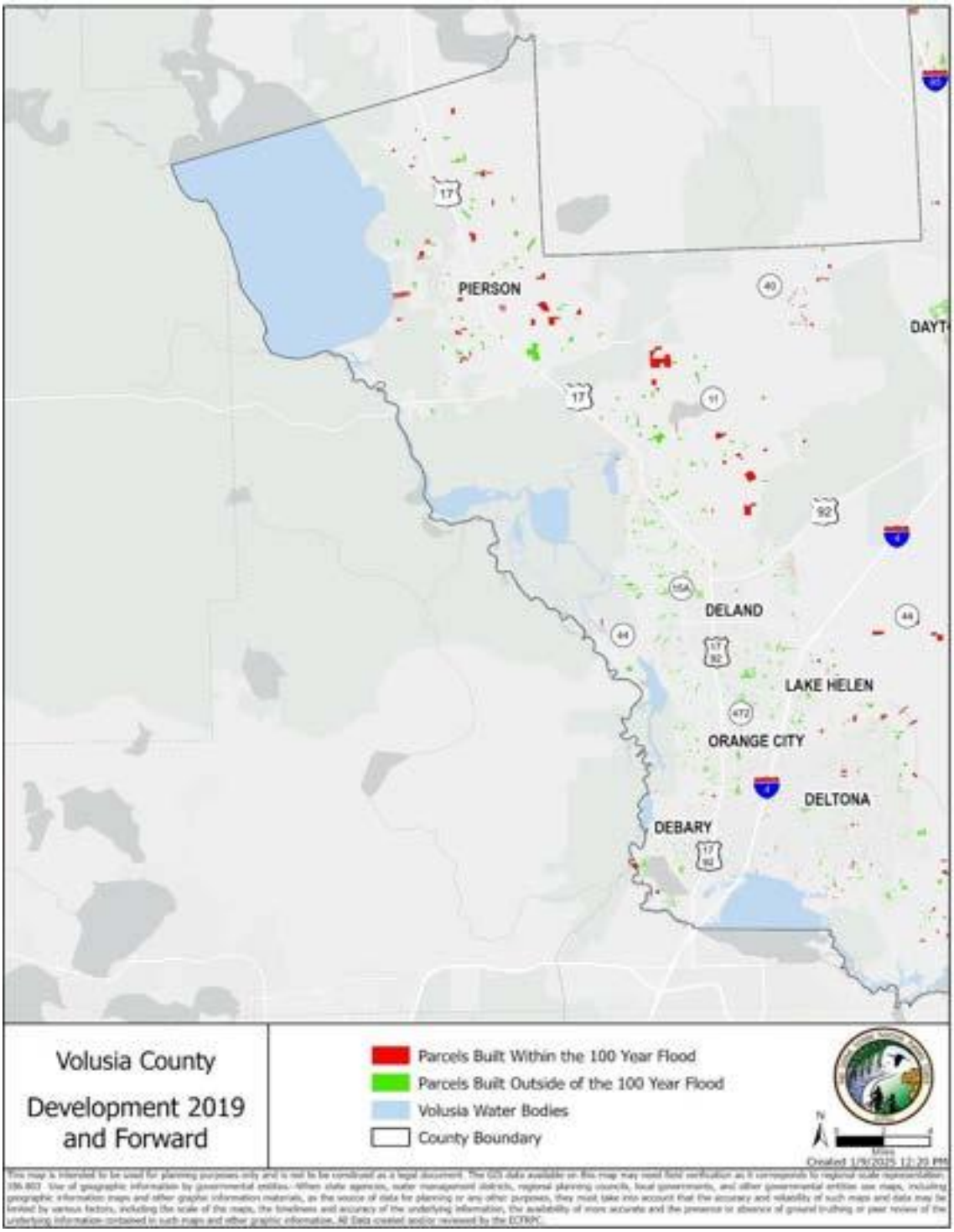
## 5.19 DEVELOPMENT SINCE 2020 (LAST LMS SUBMITTAL)

The maps on the next page in Section 5 **Figure 24 and Figure 25** shows development in Volusia County from 2019 to 2024 with exposure to the 100-year floodplain. While the eastern portion of the county is susceptible to more hazards than the western portion, the eastern side has seen the largest growth in the number of properties built since 2019. Areas such as Ormond Beach, Daytona Beach, Holly Hill, South Daytona, Ponce Inlet, and New Smyrna Beach have experienced growth since 2020, much of it along the barrier islands to the east of the Halifax River, Indian River Lagoon, and Mosquito Lagoon. These areas are susceptible to tropical cyclones, flooding, and rising coastal waters. The western portion of the county has also experienced growth. Deltona, DeBary, DeLand and Orange City are typically more susceptible to wildland fires and flooding.

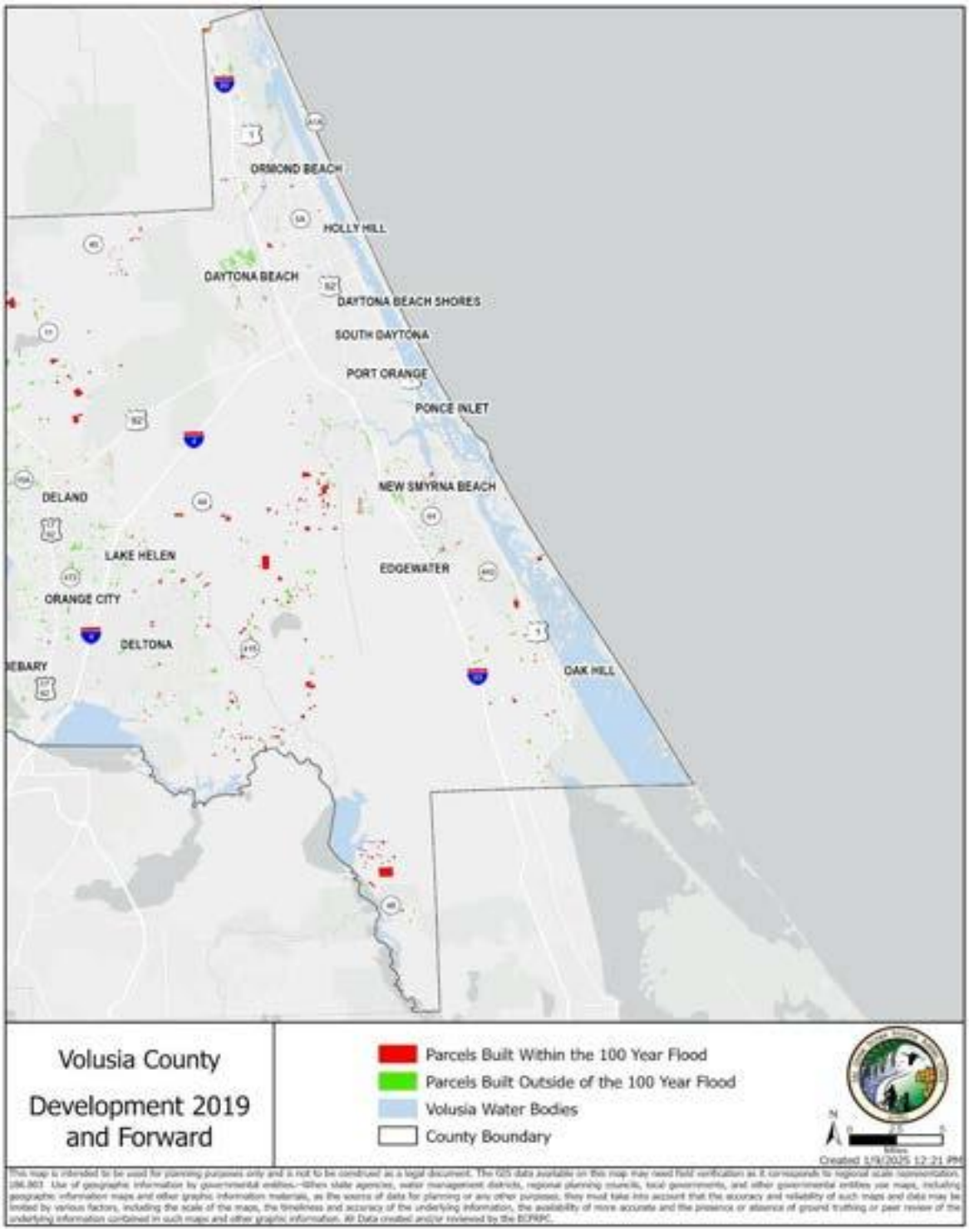
Since 2019, 6,005 properties have been built in the 100-year floodplain countywide. The total county taxable value of these new properties is $1,970,544,855 according to the ECFRPC analysis. The jurisdiction experiencing the most development is New Smyrna Beach. Daytona Beach is a close second.

For more information on recent developments in the hazard zones covered in this report, view the Vulnerability Assessment in Section 6.

**Section 5: Figure 24: Development in 100-Year Floodplain since 2019. West Side of Volusia County**



**Section 5: Figure 25: Development in 100-Year Floodplain since 2019. East Side of Volusia County**




Source: FEMA, Volusia County Property Appraiser, ECFRPC

# SECTION 6 – VULNERABILITY ASSESSMENT

**44 CFR Requirement**

***44 CFR Part 201.6(c)(2)(ii):*** The risk assessment shall include a description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. The description shall include an overall summary of each hazard and its impact on the community. The plan should describe vulnerability in terms of: (A) The types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas; (B) An estimate of the potential losses to vulnerable structures identified in paragraph (c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate; (C) Providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.

## 6.1 OVERVIEW

This section builds upon the information provided in Section 5: *Hazard Profiles* by identifying and characterizing an inventory of assets in Volusia County and then assessing the potential impact and number of damages that can be expected to be caused by each identified hazard event. The primary objective of the vulnerability assessment is to quantify exposure, and the potential loss estimates for each hazard. In so doing, Volusia County and its participating jurisdictions and partners may better understand their unique risks to identify hazards and be better prepared to evaluate and prioritize specific hazard mitigation actions.

This section begins with an explanation of the methodology applied to complete the hazard vulnerability assessment, followed by a summary description of the asset inventory as compiled for Volusia County. The remainder of this section focuses on the results of the assessment and is organized by hazard as listed below.

- **Natural**
  - Agriculture
  - Coastal Erosion
  - Drought
  - Extreme Temperature
  - Flood
  - Public Health Emergencies
  - Rising Coastal Waters
  - Severe Weather
  - Tornado
  - Tropical Cyclones
  - Wildland Fire
- **Manmade**
  - Civil Disturbance
  - Mass Migration
  - Terrorism

- **Technological**
  - Coastal Oil Spill
  - Critical Infrastructure Failure
  - HazMat/ Industrial Incident

## 6.2 ASSESSMENT METHODOLOGY

This vulnerability assessment was conducted utilizing three distinct methodologies based on an appropriate analysis of that hazard:

1. Geographic Information System (GIS)-based analysis
2. A qualitative analysis based on the risk to people, property, the environment, government operations, the public, first responders, continuity of operations, facilities and infrastructure, economic conditions, and public confidence in governance.

Each approach provides estimates for the potential impact of hazards by using a common, systematic framework for evaluation, including historical occurrence information. The results of the vulnerability assessment are provided for each identified hazard. The versions of HAZUS used for this assessment were 6.1 and 7.0. All versions of HAZUS are designed to conduct the same analyses for the same purposes.

### GIS-Based Analysis

For the GIS-based assessment, digital data was collected from local, state and national sources. ESRI® ArcPro 3.4.0 was used to assess risk utilizing digital data including local tax records for individual properties and georeferenced point locations. Using these data layers, risk was assessed by estimating the assessed building value associated with properties determined to be in identified hazard areas. The critical asset inventory was compiled from FEMA's built-in asset inventory within HAZUS, the ECFRPC's critical asset inventory compiled for FDEP's statewide Resilient Florida Vulnerability Assessment, and additional assets provided by Volusia's jurisdictions. Parcel and land use data was retrieved from Volusia County's GIS Department and Property Appraiser.

To estimate population in hazard areas, Census 2020 population data by census block was obtained from HAZUS 7.0 and census blocks intersecting with hazard areas were used to determine improved property value, land value, building value, assessed value, taxable county value were obtained from Volusia County's Property Appraiser and properties intersecting with hazard areas were used to determine financial exposure and potential financial loss.

Census 2020 data was used for analyses as it is available by census block. There are other population estimates that are provided by reputable sources; however, they are only available at the jurisdiction level (e.g., county or city). When the next decennial census population data is available the county will consider reassessing the populations that are vulnerable to various hazards.

The objective of the GIS-based analysis was to determine the estimated vulnerability of people, buildings and critical facilities to the identified hazards for Volusia County using the best available geospatial data. In so doing, local databases made available through Volusia County such as local tax assessor records, parcel boundaries and critical facilities data were used in combination with digital hazard data. The results

of the analysis provided an estimated number of people, as well as the numbers and values of buildings and critical facilities determined to be potentially at risk to those hazards with delineable geographic hazard boundaries.

Financial exposure of parcels to hazards was assessed by intersecting parcel data to the extent of the hazards. Per the guidance of Volusia County Emergency Management, financial exposure to hazards for parcels with stacked properties was handled in two manners. Hazard analysis regarding wind, wildland fire, and sea level rise was conducted for all properties within a parcel, capturing the financial exposure of each floor within condominiums and other buildings. Hazard analysis regarding storm surge and FEMA flood zones was conducted only for first floor properties.

For storm surge, the data was retrieved from the National Oceanic and Atmospheric Administration's National Hurricane Center. The storm surge data is derived from the Maximum of the Maximum Envelope of High Water (MEOW), or MOM, which provides a worst case snapshot for a particular storm category. Each MOM considers combinations of forward speed, trajectory, and initial tide level. No single hurricane will produce the regional flooding depicted in the MOMs. Instead, the product is intended to capture the worst-case high-water value at a particular location for hurricane evacuation planning. The MOMs are also used to develop the nation's evacuation zones.

For wildland fire risk, the U.S. Forest Service's Wildfire Hazard Probability dataset was used to evaluate the wildfire risk for Volusia's critical assets. The Wildfire Hazard Probability dataset recognizes impervious surfaces as "non-burnable." As the majority of Volusia's critical assets are built on top of paved surfaces, they were marked as non-burnable by the dataset. However, due to the nature of wildfire and its ability to jump onto structures although they may be built upon impervious surfaces, geostatistical methods were employed to interpolate the fire risk for areas originally marked as non-burnable. The raster dataset provided by the U.S. Forest Service was altered to remove cells marked as non-burnable. This altered raster was run through Empirical Bayesian Kriging (EBK) to generate new wildfire risk scores for areas previously categorized as non-burnable. EBK is a geostatistical method utilized for making spatial predictions based upon existing patterns. Using EBK to fill in the gaps of the Wildfire Hazard Probability dataset allowed for a more comprehensive analysis of wildfire risk for the County's critical assets.

For tropical cyclone wind hazards, HAZUS 6.1 was used to run a probabilistic hurricane wind analysis. Probabilistic hurricane analysis is a method of predicting the likelihood of hurricane-related events by using a range of possible outcomes. This method can help to estimate the risk of hurricane damage and inform decision making. Return periods of 10, 20, 50, 100, and 500 were used to analyze peak wind gusts across Volusia County.

## 6.3 ASSET INVENTORY

An inventory of Volusia County's georeferenced assets was created in order to identify and characterize those properties potentially at risk to the identified hazards. By understanding the type and number of assets that exist and where they are located in relation to known hazard areas, the relative risk and vulnerability for such assets can be assessed. Three categories of assets were created and assessed through GIS analysis, including:

1. Improved Property: Includes properties with improved property (i.e., structures)

2. Critical Assets: Includes Volusia County's emergency operations centers, fire stations, police stations, schools and hospitals. This was derived from the FEMA HAZUS asset inventory and critical assets identified through the Volusia 2024 VA.

3. Transportation Infrastructure: Includes primary roads and active railroads.

## Improved Property

**Section 6 Table 1** displays total assessed value of improvements for unincorporated Volusia County and the incorporated areas with improved property.

**Section 6: Table 1: Total Value of Improved Properties**

| JURISDICTION | TOTAL IMPROVED VALUE OF IMPROVED PROPERTIES |
|---|---|
| Daytona Beach | $11,412,838,706.00 |
| Daytona Beach Shores | $2,643,078,172.00 |
| DeBary | $2,829,659,586.00 |
| DeLand | $4,555,243,217.00 |
| Deltona | $8,243,140,783.00 |
| Edgewater | $2,478,786,764.00 |
| Holly Hill | $1,108,379,506.00 |
| Lake Helen | $273,588,377.00 |
| New Smyrna Beach | $7,693,963,655.00 |
| Oak Hill | $232,951,847.00 |
| Orange City | $1,439,235,489.00 |
| Ormond Beach | $6,202,742,902.00 |
| Pierson | $145,434,493.00 |
| Ponce Inlet | $1,426,666,290.00 |
| Port Orange | $6,642,257,338.00 |
| South Daytona | $1,215,618,172.00 |
| Unincorporated | $14,307,435,560.00 |
| **TOTAL** | **$72,851,020,857.00** |

Source: Volusia County Property Appraiser Data (2024)

## Critical Assets

**Section 6 Table 2** lists Volusia County's critical facilities, as identified by each jurisdiction in Volusia County. A full listing of the critical facilities and their exposure to each hazard included in this vulnerability assessment is in **Appendix E**. This information is not available for public distribution as it contains sensitive information. The critical facilities data is on file with Volusia County Emergency Management.

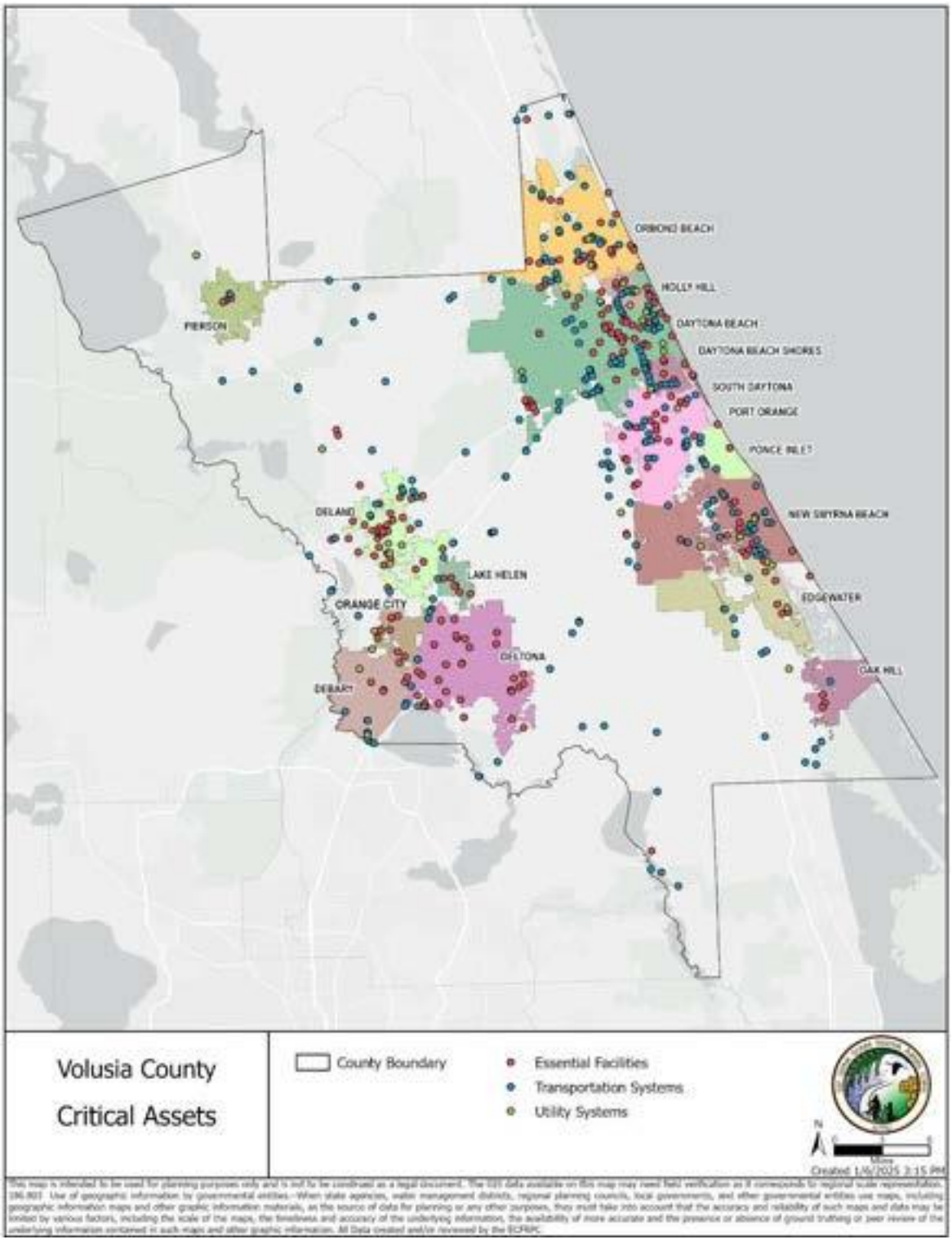
**Section 6: Table 2: Number of Critical Facilities**

| JURISDICTION | Number of Critical Assets |
|---|---|
| Daytona Beach | 74 |
| Daytona Beach Shores | 2 |
| DeBary | 7 |
| DeLand | 47 |
| Deltona | 27 |
| Edgewater | 14 |
| Holly Hill | 10 |
| Lake Helen | 6 |
| New Smyrna Beach | 28 |
| Oak Hill | 4 |
| Orange City | 9 |
| Ormond Beach | 31 |
| Pierson | 4 |
| Ponce Inlet | 2 |
| Port Orange | 22 |
| South Daytona | 6 |
| Unincorporated | 578 |
| Multi-Jurisdictional | 276 |
| **TOTAL** | **1,147** |

Source: All Jurisdictions (Cities, County), HAZUS

**Section 6 Figure 1** illustrates the general locations of the critical facilities and infrastructure according to the current georeferenced point and line locations. Facilities were identified through a combination of jurisdiction-provided data, 2024 Vulnerability Assessment (VA), and HAZUS 7.0 asset inventory.

**Section 6: Figure 1: Volusia County Critical Facilities**




Source: All Jurisdictions (Cities, County), HAZUS

## Transportation Infrastructure

**Section 6: Table 3: Transportation Infrastructure**

| JURISDICTION | Railroad (mi) | Arterial (mi) | Collector (mi) | Interstate (mi) | Local (mi) | Ramp (mi) | Beach Ramp (mi) | Park (mi) |
|---|---|---|---|---|---|---|---|---|
| Daytona Beach | 4.45 | 68.4 | 3.1 | 4.98 | 308 | 6.15 | 0.92 | - |
| Daytona Beach Shores | - | 5.19 | 1.04 | - | 5.94 | - | 0.65 | - |
| DeBary | 6.62 | 8.54 | - | 0.22 | 152 | 0.1 | - | 1.7 |
| DeLand | 0.64 | 16.94 | 9.38 | - | 190.73 | 0.25 | - | - |
| Deltona | - | 21.82 | 6.58 | 6.28 | 451.57 | 4.53 | - | - |
| Edgewater | 4.16 | 11.58 | 2.96 | 1.11 | 140.82 | 0.71 | - | - |
| Holly Hill | 2.86 | 6.42 | - | - | 59.51 | - | - | - |
| Lake Helen | - | 0.34 | 6.17 | 1.11 | 31.54 | 0.62 | - | - |
| New Smyrna Beach | 7.77 | 22.38 | 3.45 | 4.7 | 189.3 | 1.91 | 1.58 | 0.32 |
| Oak Hill | 1.2 | 4.74 | 1.03 | - | 25.39 | - | - | - |
| Orange City | - | 11.35 | 0.69 | - | 70.78 | 1.14 | - | - |
| Ormond Beach | 8.88 | 22.84 | 12.68 | 3.41 | 236.01 | 1.29 | 0.49 | - |
| Pierson | 3.07 | 3.11 | 3.36 | - | 27.44 | - | - | - |
| Ponce Inlet | - | - | 3.03 | - | 15.21 | - | 0.17 | 0.69 |
| Port Orange | 4.97 | 28.86 | 1.81 | 5.79 | 282.03 | 1.51 | - | 0.25 |
| South Daytona | 2.75 | 4.38 | 1.35 | - | 53.29 | - | - | - |
| Unincorporated | 48.06 | 188.64 | 133.22 | 45.91 | 1353.43 | 12.95 | 0.22 | 2.17 |
| **TOTAL** | 95.43 | 425.53 | 189.85 | 73.51 | 3592.99 | 31.16 | 4.03 | 5.13 |

Source: Volusia County GIS, ECFRPC

## 6.4 AGRICULTURE

### Vulnerability

Agriculture in Volusia County is a sector that encompasses crops, livestock, and environmental resources. This sector is vulnerable to a variety of threats, including infestations, invasive species, and diseases. Infestation or disease in agriculture refers to the significant increase of biological entities such as insects, rodents, bacteria, or viruses in a given area, which can adversely affect crops, threaten human and animal health, damage valuable crops, or lead to the loss of significant environmental resources.

In Volusia County, common agricultural threats include infestations by mosquitoes, citrus greening, southern pine beetle, Florida dampwood termites, rats, and noxious plants like the Brazilian pepper tree. These threats can impact key agricultural crops such as citrus, vegetables, and ornamental plants. For instance, citrus greening, a bacterial disease, severely affects citrus crops, leading to significant economic losses. Similarly, the southern pine beetle can devastate pine forests, impacting timber production, while invasive species like the Brazilian pepper tree can outcompete native plants and disrupt local ecosystems. Livestock in Volusia County, including cattle, poultry, and horses, are also at risk from various diseases. Diseases such as foot-and-mouth disease and avian influenza can spread rapidly, causing substantial harm to livestock and posing a risk to human health. Contaminated water supplies used for irrigation or livestock drinking water can exacerbate these issues, leading to widespread problems for all residents in and near Volusia County.

The overall vulnerability of Volusia County and its jurisdictions to agricultural diseases and pests is low. Although there is not a large percentage of farmland in the county, disease can spread quickly if response is not immediate. The cities of Oak Hill and Pierson and unincorporated parts of Volusia County are most vulnerable to agricultural incidents because this is the largest area of farmland countywide. Climate change may exacerbate agricultural threats via the movement of invasive species. **Section 6: Figure 2** displays the areas of the county with the most vulnerability. The Western and Southern portions of the county are at highest risk.

### Impacts

Environmental impacts include ecosystem disruption through the destruction of crops, contamination of soil and water, and displacement of native species by invasive plants. These disruptions can lead to the loss of biodiversity, affecting the region's ecological balance. There are many natural springs located on the west side of the county, such as Blue Spring, DeLeon Springs, Green Springs, and Gemini Springs, that attract tourism and protect native species.

On top of having profound ecological impacts, invasive species cost Floridians over $500 million each year; these costs include monitoring, testing, management, eradication, and restoration efforts. Future conditions may exacerbate the concern. Temperature changes, extended growing seasons, and altered rainfall patterns can support the spread of organisms into new territories. Additionally, as climate zones shift, the natural predators of pests might not migrate at the same rate, potentially leading to an imbalance where pest populations can grow unchecked. The probability of invasive species continuing to impact Volusia County is considered likely, occurring once a year or more. The economic impact of agricultural infestations and diseases in Volusia County can be profound, especially for the South and Western parts of

the county where there is a significant agriculture presence. Financial losses can result from crop destruction, decreased yields, and the costs associated with pest control and disease management. This is particularly relevant for Enterprise and Pierson.

Public health, especially of residents living in proximity to agriculture, is another critical area affected by agricultural threats. Additionally, vector-borne diseases spread by pests like mosquitoes, such as West Nile virus, dengue fever, and Zika virus, pose direct health risks to the public.

Responders dealing with agricultural infestations or disease outbreaks face health risks if exposed to harmful organisms or chemicals. Ensuring the safety of responders requires robust safety protocols, including the use of personal protective equipment (PPE) and decontamination procedures. Despite these risks, the continuity of operations in most sectors is unlikely to be significantly impacted by agricultural infestations or diseases. Essential services and functions can generally continue with minimal interruption. However, ensuring the continuity of operations for emergency response agencies is critical to effectively managing these threats.

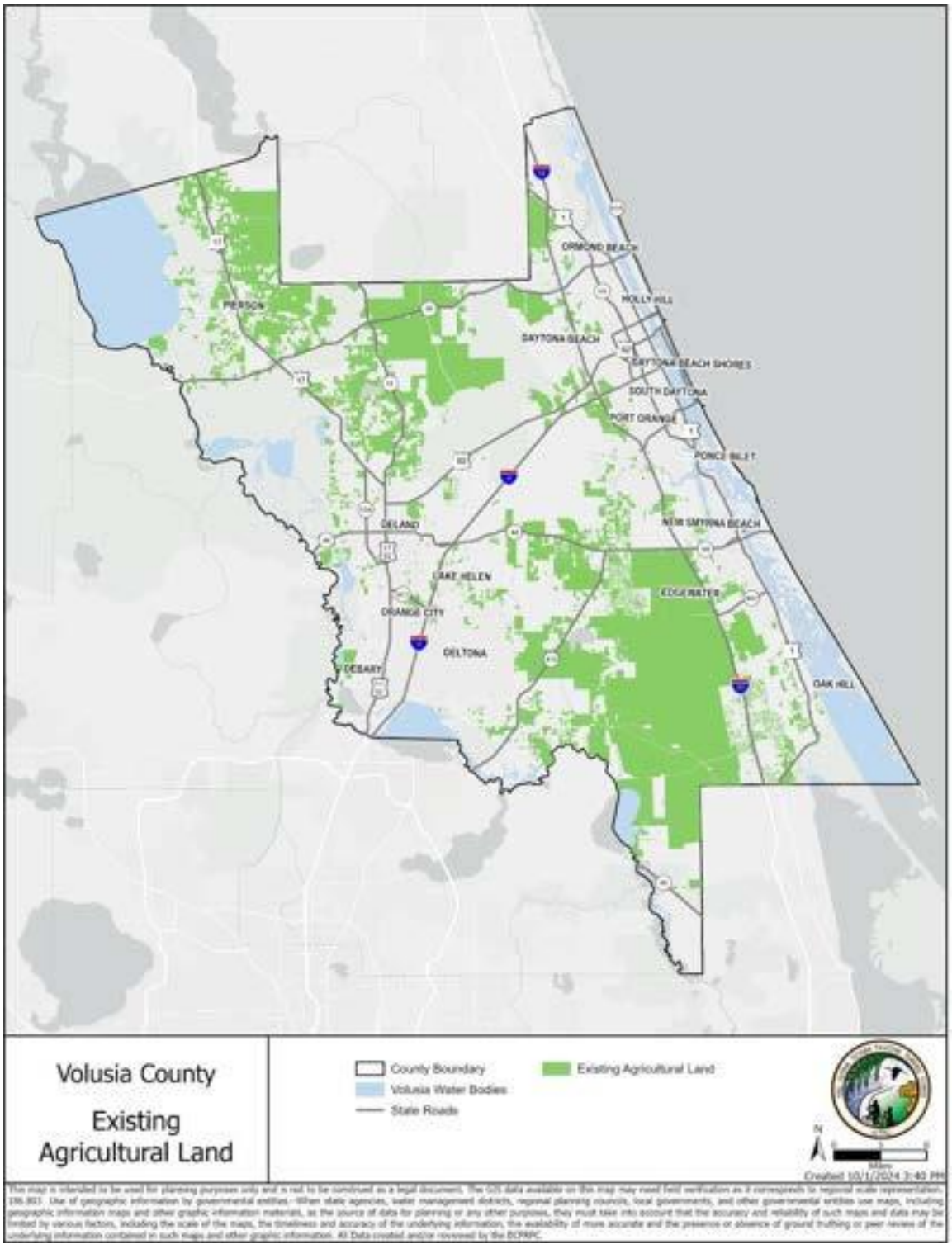
Agricultural infestations and diseases are also unlikely to directly impact property, facilities, or infrastructure in urbanized areas of the county. The primary effects are concentrated on the agricultural lands. To mitigate these risks, it is essential to implement robust surveillance systems to detect and respond to biological threats quickly. Regular monitoring of crops, livestock, and the environment for signs of infestation or diseases is crucial. Education and training programs for farmers, agricultural workers, and first responders are necessary to ensure they can recognize and respond to agricultural threats effectively.

Clear communication channels between local, state, and federal agencies are vital for a coordinated response. This includes mutual aid agreements and support from the Florida Division of Emergency Management (FDEM). Emergency preparedness plans should be developed and regularly updated to include specific protocols for addressing agricultural infestations and diseases, covering containment, decontamination, and recovery processes.

Investing in research to develop resilient crop varieties and livestock breeds that are less susceptible to diseases is also important. Promoting the development of rapid detection technologies for pests and pathogens can enhance the county's ability to respond to agricultural threats. Every jurisdiction must integrate pest management (IPM) practices that can control pest populations using environmentally sustainable methods, such as biological control, habitat manipulation, and resistant crop varieties.

In conclusion, while Volusia County's agricultural sector faces low risks from infestations, invasive species, and diseases, proactive measures can significantly reduce these risks and mitigate their impacts. By enhancing surveillance, improving coordination, and investing in education and research, the county can better protect its agricultural assets and ensure food security. Comprehensive planning and preparedness efforts can minimize the overall public health, environmental, and economic impacts of agricultural threats. Existing land use was derived from parcel data provided by Volusia County GIS as seen in **Section 6 Figure 2**.

**Section 6: Figure 2: Existing Agricultural Land in Volusia County**




Source: Volusia County Property Appraiser, ECFRPC

## 6.5 COASTAL EROSION

### Vulnerability

Coastal erosion is a significant concern for Volusia County, with all coastal areas prone to this natural process. Nearly half of the county's 47 miles of shoreline are considered critically eroded. While the population is not explicitly threatened by coastal erosion, the economic impact on beachfront properties can be substantial. Coastal erosion is typically measured as the annual shoreline change for a given beach cross-section over a long period.

Coastal erosion poses a considerable threat to beachfront properties within five jurisdictions of the county, as well as unincorporated areas. More than 5,000 properties are at direct risk, representing over $800 million in property value. Properties at the highest risk are those with low elevations, as wave action and dune degradation can compromise the integrity of the lot foundation. Properties with lower foundations, or those not elevated above the base flood elevation, are at higher risk for water damage, loss of personal property, electrical damage, structural collapse, and, in rare instances, loss of life.

Daytona Beach Shores and New Smyrna Beach are particularly vulnerable to coastal erosion due to their extensive shoreline properties. Additionally, storm surge presents a unique financial challenge, as beachfront properties are typically high value. Volusia County has engaged in beach renourishment activities and hardening shorelines with gray infrastructure, such as seawalls, and green infrastructure, such as living shorelines. Continued development along the shorelines and storm surges increasing in intensity and frequency contribute to the vulnerability of the coastal cities in Volusia County.

### Impacts

The county's Lifeguard Headquarters and Administration Building, located on the beach in Daytona Beach, provides public safety and lifeguard services to the entire beach area. The Ponce Inlet Lighthouse, another significant site, has undergone extensive work by the U.S. Army Corps of Engineers to re-nourish the sand and install rock jetties to protect the area.

There are two piers with restaurants vulnerable to storm surge, including Joe’s Crab Shack on the Main Street Pier, which is a major tourist attraction in Daytona Beach’s Boardwalk Entertainment Area. The entire shoreline, along with condominiums, residential homes, businesses, and restaurants, can be susceptible to coastal erosion depending on the strength and direction of storms. The North Peninsula State Recreation Area in Ormond-By-The-Sea and the A1A roadway in that area are at higher risk than other county areas, although it remains mostly undeveloped.

Coastal erosion can be a consequence of tropical storms, hurricanes, and nor'easters. Homes and structures built along the coastline may be damaged or even destroyed during these events, with protective dunes potentially obliterated. All property along the coast of Volusia County is at risk, with private property in some areas losing inches or feet of beach each year. Coastal erosion has caused over $400 million in damage.

The environment is highly vulnerable to coastal erosion. Erosion can occur via wind or water, leading to sedimentation in waterways, loss of habitat for coastal ecosystems, and changes in coastal geomorphology. Protective dunes on the shore may be reduced or washed away in hurricanes and high surf, further exacerbating erosion issues.

Responders are not directly impacted by coastal erosion, and the Volusia County Emergency Management Division will not face issues in continuing operations and delivering services due to this hazard. Although coastal erosion does not directly threaten program operations, as the Volusia County Emergency Operations Center is located 20 miles inland, the public faces numerous consequences. Homes can collapse into the ocean, and critical utilities and roadways may be compromised if beaches erode, and water inundates their systems. Coastal erosion also affects many public beaches in Volusia County, leading to the loss of recreational areas and potential destruction of private property and homes. In some rare cases, homes and businesses may fall into the ocean.

The consequences for the environment from coastal erosion are severe. Erosion by wind or water can deplete coastal ecosystems, reduce protective dunes, and cause sand and soil to enter water and sewer systems, leading to public and environmental issues. Coastal erosion is costly, with beach nourishment expenses averaging around $2.00 per cubic yard, placing a financial burden on local economies.
Despite these challenges, public confidence in government should not be significantly impacted by coastal erosion, as rapidly eroding beaches remain a high priority for nourishment efforts.

Coastal erosion also impacts tax revenue as some residents may choose to move away or cannot afford to fix a property after a storm. This can lead to condemned buildings that are unsightly and unsafe.

**Section 6 Table 4** provides the number of people and number and value of improved properties that are susceptible to coastal erosion. Coastal erosion is very likely to continue impacting the coastal areas of Volusia County. Jurisdictions with critically eroded beaches in Volusia County actively participate in the federal beach nourishment program.

**Section 6: Table 4: Total Exposure from Coastal Erosion for Ocean Shorelines & Lagoons**

| JURISDICTION | AT-RISK AREAS (within 250 feet of shoreline) | | |
|---|---|---|---|
| | Total Number of Properties at Risk | Total Improved Value of Buildings at Risk | Total County Taxable Value |
| Daytona Beach | 3914 | $1,573,304,260.00 | $1,137,404,025.00 |
| Daytona Beach Shores | 522 | $317,920,506.00 | $263,536,865.00 |
| Edgewater | 318 | $351,929,936.00 | $224,619,720.00 |
| Holly Hill | 647 | $255,000,654.00 | $200,624,664.00 |
| New Smyrna Beach | 3947 | $2,905,660,684.00 | $2,029,296,261.00 |
| Oak Hill | 391 | $164,494,791.00 | $92,141,021.00 |
| Ormond Beach | 1362 | $1,303,941,624.00 | $953,112,793.00 |
| Ponce Inlet | 615 | $368,335,931.00 | $255,695,564.00 |
| Port Orange | 777 | $377,236,994.00 | $230,213,454.00 |
| South Daytona | 439 | $196,332,861.00 | $140,465,685.00 |
| Unincorporated | 5080 | $2,701,737,784.00 | $1,903,028,923.00 |

Sources: Volusia County Property Appraiser Data (2024), Florida Fish and Wildlife, ECFRPC

## 6.6 DROUGHT

### Vulnerability

Volusia County and its jurisdictions are uniformly vulnerable to drought and overall vulnerability to drought is high. During the dry months of the year, drought can cause serious consequences and have compounding effects. Tactics such as water usage restrictions are implemented to save water. Extreme temperature events are increasing in frequency and intensity deepening vulnerabilities. Volusia County and its jurisdictions have continued to increase in population and the continuous growth is expected to worsen residents' vulnerabilities the water shortages.

### Impacts

Typically associated with crop damage rather than damage to the built environment, droughts can have significant secondary effects. Historical data indicate that drought conditions have led to wildfires in the years 1985, 1988, 1998, and 2009. These conditions can impact the Florida Aquifer, affecting the water supply for Volusia County residents, many of whom rely on personal wells or the county's public water supply, which is also drawn from wells.

Drought can lead to substantial crop loss, livestock reductions, and disruption of fish habitats. Furthermore, it is often associated with an increased wildfire threat, placing both human and wildlife populations at heightened risk. The environment is at risk from drought. Vegetation and sensitive ecosystems can suffer without adequate water, and stream flows may be reduced, impacting riparian and riverine ecosystems. Reduced lake and canal depths can impact boating traffic and access to certain waterways, diminishing property values in these locations. Notably, the Lake Beresford area in DeLand, which attracts tourists for fishing and houseboat rentals, could suffer from severe drought conditions. The St. John's River, which runs from south to north, can also be affected by droughts occurring as far south as Lake Okeechobee.

Although droughts do not directly affect the building stock within the county, they can cause numerous indirect losses to personal property and critical facilities. For instance, agricultural areas, especially in the northwest part of the county including the Town of Pierson, are particularly vulnerable. Losses within the agricultural industry can have a cascading effect on local businesses, such as those selling tools or heavy machinery, resulting in indirect financial losses. Consequently, residents may lose jobs, leading to a net economic loss for the county. Therefore, the most significant losses from drought are financial rather than physical, unlike other hazards.

The secondary physical impact of drought is the potential for sinkholes. Both excess rainfall (flooding) and drought conditions can negatively affect Florida's limestone bedrock. Thus, sinkholes represent a primary physical risk to the county's building stock due to drought conditions. The western portion of the county is particularly vulnerable to this because sinkholes happen more commonly than the eastern side of the county. Droughts can also result in increased wildfire activity. For instance, the 1998 drought directly contributed to wildfires that burned over 163,000 acres. Drought can significantly impact the county's economy, with the agricultural and natural resources industries contributing $781 million annually. An extended period of drought could seriously harm this sector.

Public confidence in government is unlikely to be significantly affected by a drought occurrence, as these are common occurrences in Florida. Insurance and assistance programs are widely available to farmers.

The public may not always experience direct consequences of drought, but government-imposed water restrictions may affect residential lawns and gardens. Chapter 50, Article III Minimum Environmental Standards, Division 8 Water Conservation references watering restrictions required for all jurisdictions within Volusia County.

Overall, program operations are not impacted by drought conditions. Responders are generally not impacted by drought, although caution and adequate hydration are necessary during extreme heat. Historically, the Volusia County Emergency Management Division has not faced issues continuing operations and delivering services during droughts events.

While homes, businesses, critical facilities, and infrastructure are generally not significantly impacted by drought and extreme heat, certain hydrologic processes, such as irrigation capacities and tourism-related activities (e.g., lakes and golf courses), can be affected. The St. Johns River Water Management District may restrict lawn irrigation, impacting residences and golf courses. Additionally, wells may reach dangerously low levels.

People are at risk from drought due to its negative effects on agriculture and livestock, which may impact long term food supplies. Farmers are the most directly affected by drought. Property may be at high risk from drought under extreme circumstances. Extended drought periods can significantly impact agricultural products and farmlands, particularly the fern industry in Volusia County, which experienced droughts in 1981, 1985, 1998, 1999, and 2000.

## 6.7 EXTREME TEMPERATURE

### Vulnerability

Overall vulnerability to extreme temperature is medium in Volusia County and its jurisdictions. While property is unlikely to be affected by extreme temperature conditions, unhoused populations are highly vulnerable to extreme heat with approximately 700 unhoused citizens between Flagler and Volusia counties on any given day as of 2024[1]. Extreme temperatures can also pose greater vulnerabilities on outside workers, the elderly, and infant populations. Extreme temperatures would make all of Volusia County and its jurisdictions equally vulnerable.

Agricultural areas are the most vulnerable areas to extreme temperatures. However, damage to critical facilities, businesses and homes can occur as a result of these events. Annualized losses for these events are very hard to measure.

### Impacts

Extreme temperatures have significant impacts when they occur. Winter storms can range from moderate snow over a few hours to blizzard conditions lasting several days. Ice storms, which occur when moisture falls and freezes upon impact, can cause widespread power outages, bring down trees, damage property, and result in fatalities and injuries. Extreme heat events are more common and pose significant challenges to Volusia County. Extreme heat is defined as temperatures that hover 9 degrees or more above the average high temperature of 90°F for the region and last for three or more consecutive days. These events can lead to widespread impacts:

All existing and future buildings, facilities, and populations in Volusia County are considered to be exposed to extreme temperature. The potential impacts include:

- **Public Risks:** All populations of Volusia County are vulnerable to extreme temperatures. Hypothermia and frostbite or heat illness are significant concerns, especially for vulnerable populations such as the elderly, young children, and the unhoused. Power outages can lead to HVAC failures, increasing the risk of illnesses. Heat exhaustion and heatstroke are serious health concerns, particularly for the elderly, children, outdoor workers, and those with pre-existing health conditions. Increased electricity demand for air conditioning can strain the power grid and lead to outages, leaving residents without cooling during the hottest periods. There is a growing concern for the unhoused population and extreme heat as climate change continues to impact frequency of events.
- **Responders' Risks:** Icy conditions can hinder emergency response, delaying response times. First responders must be prepared for the cold and heat to ensure they have the necessary equipment to operate safely. First responders must take precautions during extreme heat events to avoid heat-related illnesses. Ensuring adequate hydration and monitoring for signs of heat exhaustion and heatstroke are critical.
- **Property and Infrastructure:** Ice can accumulate on power lines, leading to outages that affect homes, businesses, and critical facilities. Burst pipes due to freezing temperatures can lead to

[1] https://www.vfcch.org/#:~:text=There%20are%20over%20600%2C000%20people,in%20Volusia%20and%20Flagler%20Counties.

significant water damage. Winter storms tend to affect transportation infrastructure (such as bridges and boat traffic) in addition to power sources. Consecutive high heat days may overload the electrical grid, also leading to power outages. Prolonged high temperatures can cause roads and bridges to expand and crack, leading to maintenance challenges. Power lines and transformers are also more likely to fail under high demand and heat stress.

- **Environmental Impact:** Wildlife may struggle to find food and shelter, and plants not adapted to extreme temperatures may be damaged or killed. Water bodies can warm, leading to reduced oxygen levels that harm aquatic life. Vegetation can suffer from heat stress, leading to reduced crop yields and increased wildfire risk.
- **Economic Impact:** Agricultural areas, particularly the Town of Pierson known as the "Fern Capital of the World," are vulnerable to severe financial losses. Transportation infrastructure, such as bridges and boat traffic, can also be affected, impacting the economy further. Moreover, areas heavy with agriculture could be at greater risk from an economic perspective, as these land uses can incur heavy losses during extreme temperatures. Extreme heat is associated with drought, thus can severely impact the agricultural sector. The annual economic impact of Volusia County's agriculture and natural resources industries is $781 million. An extended period of heat could seriously impact this.

Consequences for the public from extreme temperatures are the potential loss of power, with the unhoused population being the most affected. Shelters may need to be opened during these events. Public confidence in government is likely to remain stable during such events as they are rare in the county.

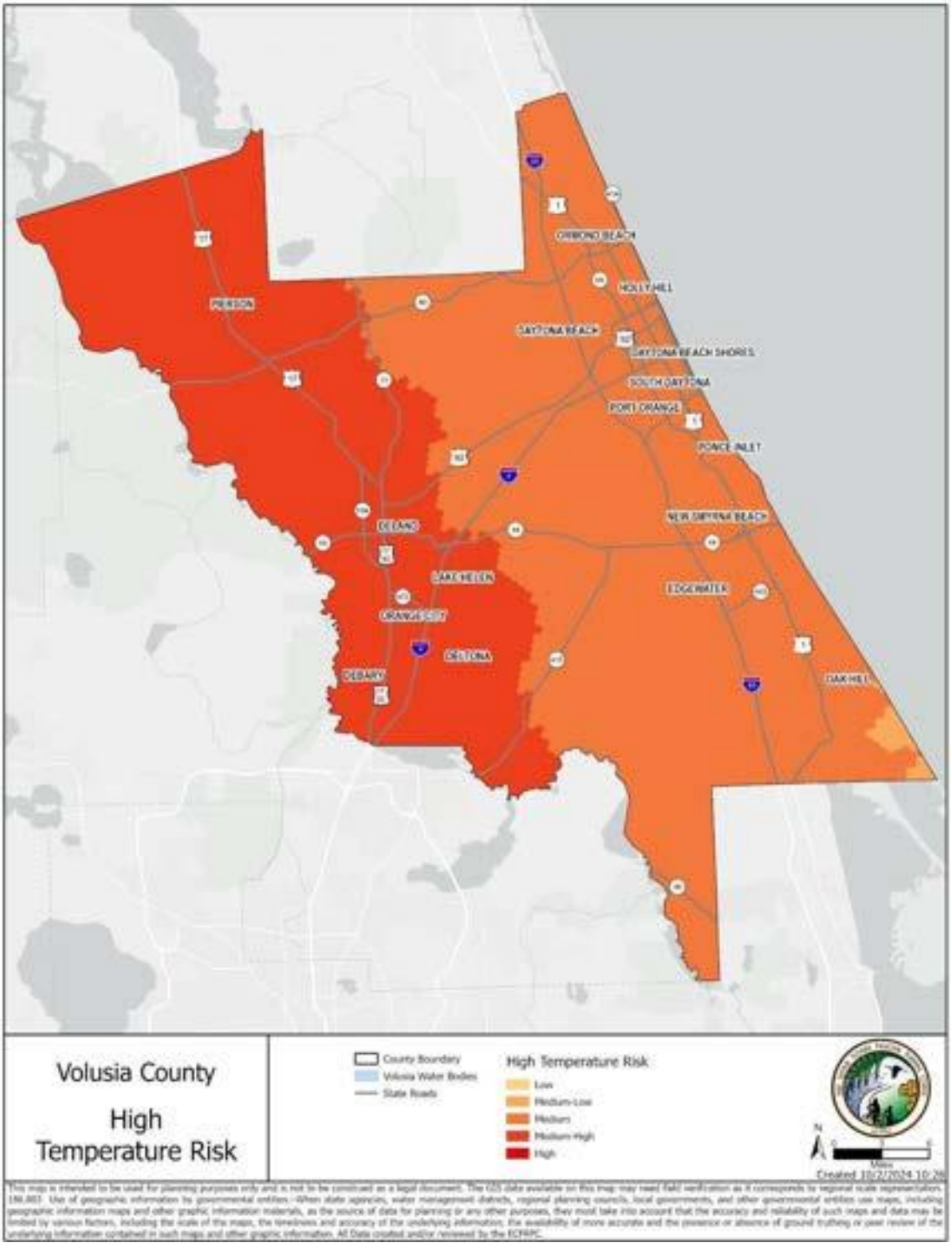
Responders are not expected to be adversely impacted due to the limited duration of extreme temperatures in Volusia County. Government operations are expected to continue during these events, with Volusia County Emergency Management maintaining operations through redundant power, IT, and communication systems.

Consequences of extreme heat on the public are not always direct but include impacts on agriculture and the food supply. Water restrictions may be implemented, affecting residential lawns and gardens.
Responders must exercise caution in extreme heat, ensuring adequate hydration. Historically, Volusia County Emergency Management has not faced significant issues in continuing operations during extreme heat events. Program operations are expected to continue without significant disruptions.

The data used for the extreme high temperature risk map in **Section 6 Figure 3** was derived from the ECFRPC's Resilience Collaborative Risk Assessment. Dr. Christopher Emrich from the University of Central Florida developed this data through the VMAP platform.

Overall, extreme heat poses a more consistent threat to Volusia County compared to extreme cold. While extreme cold events are rare, they can cause significant disruption and damage when they occur. Extreme heat is more common and presents ongoing challenges to public health, infrastructure, and the environment. Both types of extreme temperatures require effective preparedness and response plans to mitigate the impacts on the county's residents, infrastructure, and natural resources.

**Section 6: Figure 3: Extreme Heat Risk in Volusia County[2]**




[2] https://www.hazardrisk.org/

## 6.8 FLOOD

### Vulnerability

Flooding is one of the most destructive and costly natural hazards, not only in Volusia County but across the United States. FEMA identifies flooding as the most expensive natural hazard in terms of damage, with long-term psychological and economic impacts for affected communities. While all 50 states are at risk for flooding, Volusia County faces unique vulnerabilities due to its geography, environmental systems, and population distribution.

The overall vulnerability to floods in Volusia County and its jurisdictions are high. With several large bodies of water in the county and municipalities including Lake Monroe, Indian River Lagoon, Tomoka River, Halifax River, and the St. John's River; the community is very vulnerable to flooding. Enforcing floodway restrictions and building codes reduces vulnerability; however, with heavy rains caused by severe weather and tropical cyclones, flooding is possible in any jurisdiction of the county.

Flooding in Volusia County typically results from prolonged rainfall, storm surges, or overflow from rivers and streams. Although flash flooding, characterized by rapidly rising water, does not occur in the county, localized flooding can cause significant damage and disruption. An inch of water in a home can cause extensive property damage and standard homeowner's or renter's insurance policies do not cover flood-related losses, making homeowners vulnerable. A separate National Flood Insurance Program (NFIP) policy must be purchased to provide coverage. Unfortunately, many residents without flood insurance may receive little to no assistance in repairing their homes and property following a flood event. The frequency of flooding events has continued to increase and each year the recovery costs rise.

Properties most vulnerable to flooding damage are those with the lowest elevations. While a flood zone can envelop properties at a specified range of elevations, the variability in the elevations within those zones make certain buildings more prone to flooding damage than others. Additionally, structures that are located below the roadway system adjacent to the building (without a bio-swale buffer) are at extreme risk for flooding, as transportation networks are among the first areas to become inundated in a flood situation.

Many critical facilities are located within the 100-year floodplain. Adverse to the results when analyzing properties within each zone on a county level, the majority of critical facilities that are located within a flood zone in Volusia County are located within Flood Zone 'A'. A majority of the critical facility structures located within the 100-year floodplain are located in Volusia County's beach side communities. These include fire stations in New Smyrna Beach, Ponce Inlet, Daytona Beach Shores, Daytona Beach and Ormond Beach. There are hospitals at risk in low lying areas in Orange City and DeLand. Maytown Road in Oak Hill to Osteen/Enterprise is not an evacuation route because of repeated flooding. It is recommended that the County and all jurisdictions within the county enact policies to limit or disallow future development within the 100-year floodplain.

To assess flood risk, a GIS-based analysis was used to estimate exposure to flood events using FEMA's preliminary Digital Flood Insurance Rate Map (DFIRM) data in combination with local tax assessor records. The determination of assessed value at-risk (exposure) was calculated using GIS analysis by summing the total assessed building values for improved properties that were confirmed to be located

within an identified Zone A/AE (100-year floodplain), Zone VE (100-year coastal flood zone, associated with wave action), and Zone X (500-year floodplain). This analysis is parent parcel data. It is recommended that the flood analyses be revised once new flood maps are available. Flooding can impact all populations, primarily those who live, work or recreate anywhere within the county. Flooding can also cause property loss to structures located within the 100-year floodplain.

**Section 6 Table 5** lists the number of properties that are in both 100-year (A/AE) flood zone and 500 (X) flood zone, and the total value of the properties in the zones. This includes the entire property, although only a portion of the property may be located within the flood zone. The table corresponds with **Section 6 Figure 5**, which depicts all flood hazard zones. For a listing and generalized map of all Repetitive Loss Properties within the County and its 16 jurisdictions, please reference the 2025 Floodplain Management Plan. The table below summarizes types of flooding advisories.

**Section 6: Figure 4: National Weather Service Alerts**

| Alert | Criteria |
|---|---|
| Flood Watch | Atmospheric conditions over a large area, varying in size from multiple counties to multiple states, support the development of heavy rain and/or thunderstorms that are capable of producing flooding. A flood watch implies a longer period of relatively lighter rains, adding up to a large amount of rain. Longer-term flooding implies a slower or steadier rise in the water levels of creeks, streams and larger rivers. Roads can also become flooded, but it is usually more gradual, allowing motorists to monitor conditions more closely. |
| Flood Warning | A Flood Warning is issued by the National Weather Service when heavy rain has been occurring, and flooding is either occurring or will occur within a specified time, usually within 60 minutes. |
| Flash Flood Watch | Implies a shorter period of heavier rain. Generally, if flooding is expected within six hours of the onset of rain, a Flash Flood Watch is most appropriate. Flash flooding by definition suggests rapidly rising water, such as a surge of water heading rapidly downstream in a creek or small river. It could also be rapidly rising water on roadways, which can cause motorists to become stranded in vehicles, or even worse, washed into creeks and small rivers due to rapid runoff. |
| Flash Flood Warning | Atmospheric conditions over a large area, varying in size from multiple counties to multiple states, support the development of heavy rain and/or thunderstorms that are capable of producing flash flooding: A Flash Flood Warning is issued by the National Weather Service when heavy rain has been occurring, and flash flooding is either occurring or will occur within a specified time, usually within 60 minutes. |
| Urban and Small Stream Advisory | Flooding of small streams, streets and low-lying areas, such as railroad underpasses and urban storm drains is occurring. |

Source: National Weather Service

## Impacts

Flooding can devastate homes and businesses, washing away entire structures or causing irreparable damage. Roads and bridges may be washed out, limiting access to essential services and isolating

communities. In some cases, flooding is a secondary hazard following a hurricane or tropical storm. Critical infrastructure, including utilities, emergency response facilities, and government buildings, is also at risk.

Structural damage because of flooding can result in a loss of electricity, which can cause communication problems throughout the county. Moreover, physical damage due to water can result in the loss of personal property (for business owners and homeowners), while heavy, often expensive equipment located within critical facilities can be damaged.

The Volusia County Emergency Operations Center is not located within an SFHA, but access roads and surrounding areas may be impacted by severe flooding. During extreme flood events, access to the EOC could become difficult. Contingency plans, such as the use of Volusia County Sheriff's Office helicopter assets or all-terrain vehicles, are in place to maintain operations.

Flooding poses a significant risk to Volusia County's sensitive ecosystems. Riverbed erosion caused by floodwaters introduces sediments into waterways, potentially clogging stormwater systems and affecting water quality downstream. Floods can also carry hazardous materials and pollutants into rivers and streams, damaging aquatic habitats and riparian ecosystems. Additionally, nutrient-rich runoff, such as water released from Lake Okeechobee into the Intracoastal Waterway, can lead to algal blooms and oxygen depletion in rivers, causing fish die-offs. Although historical data on environmental impacts specific to Volusia County is limited, these events highlight the need for proactive monitoring and mitigation efforts.

The consequences of flooding on the public can be severe. Floodwater can trap individuals in vehicles or homes, leading to injuries or fatalities. Recovery from a flood is often costly and time-consuming, taking weeks, months, or even years for individuals and communities to fully recover. For uninsured residents, the financial burden can be insurmountable.

Economically, flooding disrupts transportation, agriculture, business continuity, and government services. Agricultural areas, a key component of Volusia County's economy, are particularly vulnerable to flood damage. Historical data shows that between 1994 and 2009, 11 major flood events caused over $100 million in agricultural related damage in the county. The frequency of flooding events has continued to increase and each year the recovery costs rise.

Responders face significant challenges during flood events, including swift water rescues and navigating damaged or obstructed infrastructure. For instance, during Tropical Storm Fay, responders conducted numerous water rescues, highlighting the risks to both citizens and emergency personnel. Despite these challenges, the VCEOC has historically remained operational during flood events. Mutual aid agreements, including the Emergency Management Assistance Compact (EMAC), allow Volusia County to request additional resources and support during significant incidents.

To reduce the impact of flooding and maintain public confidence, Volusia County has implemented several education and mitigation initiatives. In collaboration with FEMA, NOAA, USACE, FDEM, ECFRPC, and the Florida Department of Insurance, the county provides residents with information on flood risks and the importance of flood insurance.

Since 1996, Volusia County Emergency Management has distributed over 5,000 NOAA weather radios to mobile home residents and created social media campaigns to disseminate critical information during flood events. The county has also developed an app for mobile devices.

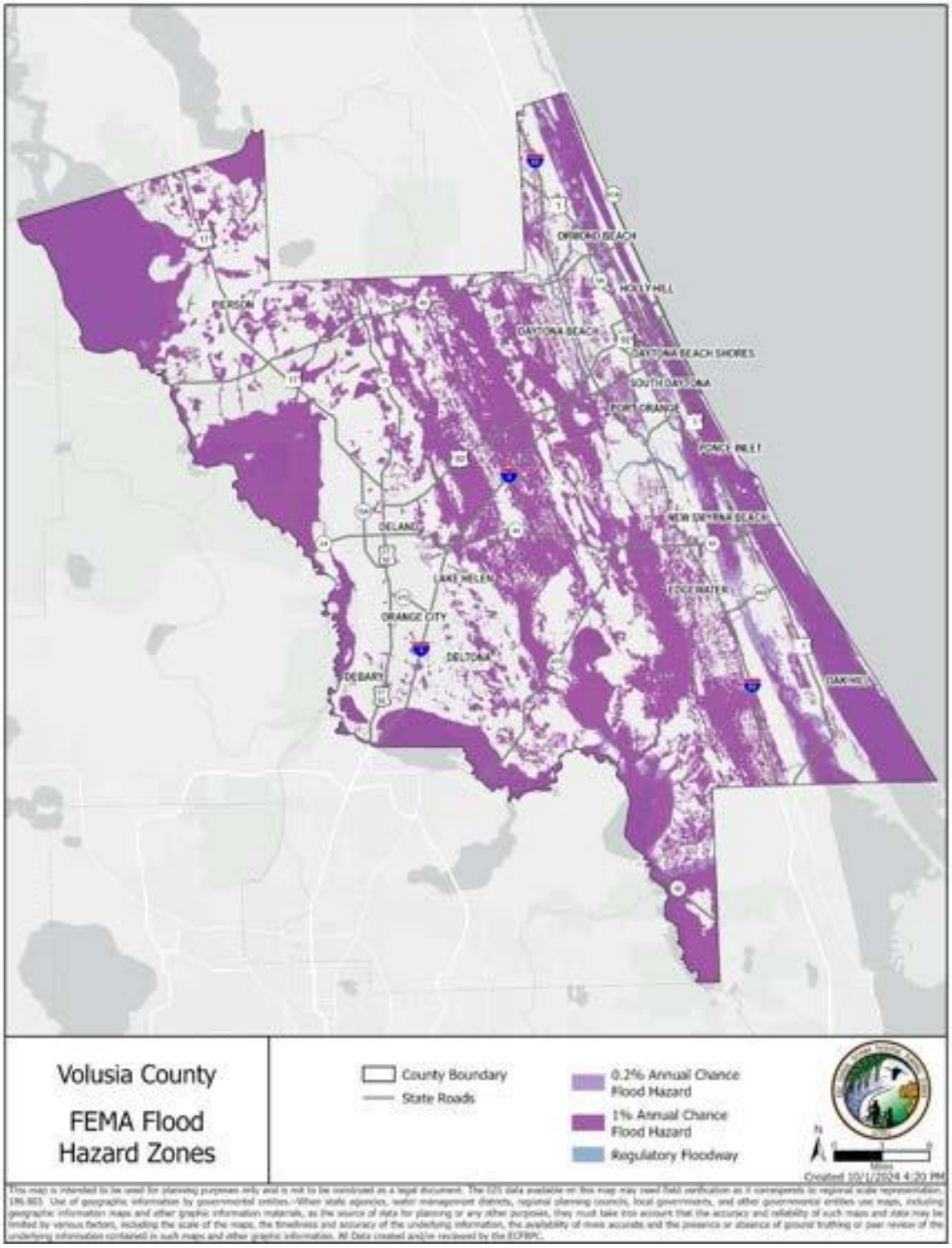
Mitigation activities, combined with education and public awareness campaigns, play a crucial role in reducing the financial and social burden of flooding while fostering community resilience. These efforts ensure that residents and businesses are better prepared to recover quickly and effectively after a flood event.

**Section 6: Table 5: Property Exposure to Flood Hazard Zones**

| Jurisdiction | Number of Properties | Total Improved Value | County Taxable Value |
|---|---|---|---|
| Daytona Beach | 13,847 | $6,658,435,543 | $4,082,706,747 |
| Daytona Beach Shores | 507 | $437,389,147 | $373,912,678 |
| DeBary | 1,387 | $590,820,327 | $340,103,975 |
| DeLand | 369 | $234,887,960 | $120,198,104 |
| Deltona | 5,522 | $1,545,648,555 | $668,644,860 |
| Edgewater | 1,564 | $690,712,173 | $417,012,709 |
| Holly Hill | 3,160 | $18,630,680 | $14,443,385 |
| Lake Helen | 288 | $755,792,246 | $502,823,799 |
| New Smyrna Beach | 10,556 | $78,324,628 | $36,649,988 |
| Oak Hill | 891 | $5,286,195,924 | $3,238,539,783 |
| Orange City | 74 | $268,013,123 | $143,174,110 |
| Ormond Beach | 5,093 | $254,676,169 | $131,349,031 |
| Pierson | 163 | $2,993,289,460 | $2,032,959,092 |
| Ponce Inlet | 1,083 | $37,715,903 | $17,576,761 |
| Port Orange | 8,567 | $683,896,424 | $450,947,795 |
| South Daytona | 4,311 | $3,029,147,801 | $1,859,130,800 |
| Unincorporated | 31,415 | $1,285,011,052 | $765,792,886 |
| **TOTAL** | **88,797** | **$24,848,587,115** | **$15,195,966,503** |

Source: EFCRPC, FEMA, Volusia County Property Appraiser

**Section 6: Figure 5: Flood Zones in Volusia County**




Source: FEMA

## 6.10 PUBLIC HEALTH EMERGENCIES

### Vulnerability

Public health emergencies encompass a range of incidents, including disease outbreaks, pandemics, and mass casualty events that place extraordinary strain on healthcare systems. These emergencies may arise from natural causes, accidental exposure, or intentional acts, such as bioterrorism. Under Section 319 of the Public Health Service Act (42 U.S.C. § 319), the Secretary of the Department of Health and Human Services (HHS) has the authority to declare a public health emergency, which often prompts hospitals and other healthcare providers to exceed their normal operating capacities.

Volusia County's overall vulnerability to public health emergencies is medium. The people of Volusia County are highly vulnerable to the spread of disease due to the population size and proximity to tourist hotspots with travelers from all over the country and the world. All jurisdictions in the county are similarly vulnerable.

All residents of Volusia County are potentially vulnerable to public health emergencies, though the severity of impact often varies across demographic groups. Particularly at risk are the very young and the elderly, whose immune systems are more susceptible to illness. Volusia County has previously experienced isolated cases of imported malaria and West Nile virus (WNV) encephalitis, though WNV is asymptomatic in 80% of cases. Recent outbreaks of dengue fever (DEN-1) in nearby Martin County underscore the potential for emerging infectious diseases to pose a future threat. Communities with high density are more likely to spread illnesses faster, such as Daytona Beach and Deltona.

### Impacts

Although public health emergencies primarily impact human health, agriculture could serve as the source of an outbreak in rare cases, such as with foodborne illnesses or zoonotic diseases transmitted from livestock to humans. The residents with the highest risk for this type of transmission are those in agricultural parts of the county. See Agriculture for further details on vulnerable locations. However, property and infrastructure are not directly at risk in these scenarios.

The environment is unlikely to be directly affected by most public health emergencies, except in cases of bioterrorism or hazardous materials (HAZMAT) incidents, where contamination could impact air, soil, or water quality. For further details on these scenarios, see the HAZMAT/Terrorism sections of this report.

Public health emergencies can disrupt program operations, especially if key personnel become ill or are otherwise unavailable. Historically, Volusia County's Emergency Operations Center has not experienced significant operational disruptions due to public health emergencies. However, in the event of a widespread outbreak or pandemic, reduced staffing levels may necessitate virtual communications or remote work for some personnel. In extreme cases, the county may rely on support from neighboring jurisdictions through the Emergency Management Assistance Compact.

If the primary Volusia County Emergency Operation Center becomes contaminated, operations may shift to an alternate location to maintain continuity. Detailed contingency plans are outlined in the Volusia County Emergency Management (VCEM) Continuity of Operations Plan (COOP).

The consequences of public health emergencies for residents can range from temporary illness to long-term health issues or death, depending on the nature and scale of the event. Overwhelmed healthcare facilities may lead to crowded hospitals, long wait times for treatment, and limited availability of medications or vaccines.

Emergency responders are also at risk during public health emergencies, as they may be exposed to contagious diseases or hazardous substances. To protect themselves, responders may need vaccinations, protective equipment, and training to safely navigate these incidents.

A widespread public health emergency could have significant economic repercussions for Volusia County. High infection rates may reduce workforce availability, leading to interruptions in business operations and consumer spending. Early detection, vaccination programs, and public health interventions are critical for minimizing these economic disruptions. Tourism activities could also be slowed or halted, disrupting the entire county.

Maintaining public confidence in governance is a key component of managing a public health emergency. The Volusia County Health Department plays a vital role in monitoring air and water quality, tracking emerging infectious diseases, and providing educational resources to residents. The department also coordinates hospital preparedness programs and healthcare coalitions to ensure a robust response to public health threats. Through its transparency and preparedness efforts, including online resources and public outreach campaigns, VCHD demonstrates its capacity to protect public health. This proactive approach minimizes the potential for a loss of public confidence during a crisis.

## 6.11 RISING COASTAL WATERS

### Vulnerability

Rising coastal water is a significant hazard for Volusia County, encompassing storm surge, sea level rise, and tsunamis. This combination of immediate, catastrophic threats and long-term challenges has the potential to impact on the county's population, property, environment, economy, and government operations. The risks are particularly acute in coastal and low-lying areas near the Atlantic Ocean, Indian River Lagoon, Halifax River, St. Johns River, and other water-adjacent regions.

The municipalities most at risk are displayed in **Section 6 Table 6** and **Figure 6.** Rising coastal water poses the greatest risk to: Daytona Beach, Daytona Beach Shores, Edgewater, Holly Hill, New Smyrna Beach, Oak Hill, Ormond Beach, Ponce Inlet, Port Orange, south Daytona, and Unincorporated Volusia County due to its geographic proximity to the coast. Continued development along the shoreline also increases vulnerability to rising coastal waters for existing and future residents in these jurisdictions.

Residents in coastal areas of Volusia County face varying levels of risk from rising coastal water events.

- **Storm Surge:** The eastern portion of the county is highly susceptible to storm surge during hurricanes, with the worst-case scenario (Category 5 hurricane) potentially causing inundation almost as far inland as Interstate 95. Vulnerable populations in areas like Ponce Inlet, Daytona Beach Shores, and Ormond Beach face the highest immediate risks.
- **Tsunamis:** Although the U.S. Atlantic coast has a very low tsunami risk, the potential for significant impact exists. Coastal populations could experience rapid inundation, particularly in densely populated areas along the Halifax River and Atlantic coast. Tsunami events would likely allow for a minimum six-hour warning, enabling evacuation of at-risk populations. The most likely scenario for a tsunami in Volusia County would be triggered by a seismic event in Puerto Rico or off the western coast of Africa. Such events can affect populations thousands of miles away.
- **Sea Level Rise:** Sea level rise is currently being studied as a vulnerability to properties located near oceans, and many areas of eastern Volusia County would be inundated with water if sea level rise occurs as modeled by the U.S. Army Corps of Engineers. This long-term hazard poses no immediate threat to life but increases vulnerability to storm surge and coastal flooding over time. Impacts to residents in areas near the Indian River Lagoon, Halifax River, and St. Johns River are expected to escalate between 2040 and 2070.

### Impacts

Rising coastal water poses substantial risks to property across Volusia County.

- **Storm Surge:** Coastal and low-lying areas east of Interstate 95, including properties along Spruce Creek and the Tomoka River, are vulnerable to storm surge inundation. Key at-risk locations include:
    - Barrier islands in Daytona Beach Shores and Ponce Inlet, which contain critical facilities like fire stations and city halls.
    - Infrastructure along the Halifax River, Indian River Lagoon, and Mosquito Lagoon, such as bridges (Main Street, Highbridge, Silver Beach, and North Bridge in New Smyrna Beach).
    - Iconic landmarks like the Ponce Inlet Lighthouse and Daytona Beach's Main Street Pier.
- **Tsunamis:** Property impacts would mirror those of a major storm surge, with debris transported inland, structural foundations compromised, and critical infrastructure disrupted.

- **Sea Level Rise:** Long-term property damage is expected in coastal areas adjacent to the Atlantic Ocean, Indian River Lagoon, Halifax River, and St. Johns River. Facilities near water bodies may require relocation, especially those handling hazardous materials. Saltwater intrusion could deteriorate stormwater infrastructure, including outfalls, lift stations, and pump stations, while older structures face heightened risks of damage.

The environmental impacts of rising coastal water in Volusia County are significant and varied.

- **Storm Surge and Tsunamis:** These events can devastate ecosystems, introducing saltwater into sensitive estuaries like the Indian River Lagoon and Halifax River. Saltwater intrusion into aquifers, the county's primary drinking water source, would be particularly harmful. Inundation could also damage dune systems and spread sewage and pollutants into the environment.
- **Sea Level Rise:** Coastal and riverbank ecosystems, including beaches and dune systems, are at risk of long-term degradation. Sensitive habitats, such as those for marine turtles, could face irreversible damage. Saltwater intrusion into stormwater infrastructure may exacerbate environmental harm.

The economic consequences of rising coastal water are profound. **Section 6 Table 7** and **Table 8** display financial exposures.

- **Storm Surge:** Damage to homes, businesses, and tourism infrastructure would result in substantial economic losses. A Category 5 hurricane could result in damages exceeding $1 billion, while impacts on tourism—a cornerstone of the county's economy—would be severe.
- **Sea Level Rise:** Gradual loss of property values, businesses, and community assets such as beaches will weaken the economic foundation of coastal areas. Investments in mitigation can reduce long-term risks but require substantial funding in the near term.
- **Tsunamis:** Like storm surge, tsunamis would devastate tourism, disrupt businesses, and impact the property tax base.

Public confidence in government could be significantly influenced by how rising coastal water events are managed.

- **Storm Surge and Tsunamis:** Delays in recovery or perceived inefficiencies could diminish public trust.
- **Sea Level Rise:** Public dissatisfaction could stem from either perceived inaction or over-investment in mitigation efforts. Balancing proactive measures with economic constraints is critical.

Rising coastal water could strain government operations and continuity.

- **Storm Surge and Tsunamis:** Response and recovery operations could be overwhelmed by the scale of damage, requiring mutual aid from adjacent counties, the state, and FEMA. Program operations may take months to return to normal.
- **Sea Level Rise:** While its effects are gradual, proactive relocation of facilities and infrastructure will be necessary to maintain operational continuity.

Volusia County has taken substantial steps to address these hazards, including participation in:

- The East Central Florida Regional Resiliency Action Plan and Resilience Collaborative.
- Sea level rise studies conducted by the Florida Department of Environmental Protection (FDEP).
- Development of a tsunami response plan and analysis of storm surge vulnerabilities.

These efforts, combined with the county's focus on adaptive strategies, demonstrate a commitment to protecting its residents, economy, and natural resources from the multifaceted threats posed by rising coastal water.

The interconnected challenges of storm surge, sea level rise, and tsunamis necessitate a comprehensive and adaptive approach. By leveraging regional collaboration, scientific research, and proactive planning, Volusia County can mitigate risks and build resilience to safeguard its future against the impacts of rising coastal water.

Storm surge data was obtained from the NOAA National Hurricane Center, which uses the hydrodynamic Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model to simulate storm surges from tropical cyclones. Storm surge composites – Maximum Envelopes of Water (MEOWs) and Maximum of MEOWs (MOMs) – are created to assess and visualize storm surge risk under varying conditions. This analysis used MOMs, which show maximum storm surge heights for each hurricane category.[3]

[3] https://www.nhc.noaa.gov/nationalsurge/?text

**Section 6 Table 6** shows the number of properties at risk, per jurisdiction, to Category 1, Category 3 and Category 5 storm surge effects. The table corresponds with **Section 6 Figure 6**, which depicts the storm surge hazard zones.

**Section 6: Table 6: Properties at Risk to Category 1/3/5 Storm Surge by Jurisdiction**

| JURISDICTION | Properties at Risk (Cat. 1) | Properties at Risk (Cat. 3) | Properties at Risk (Cat. 5) |
|---|---|---|---|
| Daytona Beach | 2,548 | 11,700 | 17,070 |
| Daytona Beach Shores | 641 | 1,113 | 1,316 |
| DeBary | - | - | - |
| DeLand | - | - | - |
| Deltona | - | - | - |
| Edgewater | 666 | 5,862 | 12,452 |
| Holly Hill | 278 | 2,654 | 5,437 |
| Lake Helen | - | - | - |
| New Smyrna Beach | 6,748 | 13,105 | 14,273 |
| Oak Hill | 620 | 1,718 | 1,837 |
| Orange City | - | - | - |
| Ormond Beach | 5,573 | 5,596 | 16,156 |
| Pierson | - | - | - |
| Ponce Inlet | 1,252 | 1,865 | 2,059 |
| Port Orange | 5,197 | 11,027 | 15,453 |
| South Daytona | 3,905 | 5,216 | 5,324 |
| Unincorporated | 6,019 | 12,636 | 23,323 |
| **TOTAL** | **29,447** | **72,492** | **114,700** |

Sources: NOAA National Hurricane Center, Volusia County Property Appraiser Data (2024)

**Section 6: Table 7: Property Financial Exposure to Storm Surge Zones (by Hurricane Category)**

| Hazard Zone | Properties | Land Value | Building Value | Assessed Value | County Taxable Value |
|---|---|---|---|---|---|
| *Category 1* | 29,447 | $5,695,379,097 | $8,590,261,772 | $14,285,640,870 | $9,100,097,404 |
| *Category 2* | 47,855 | $7,783,692,785 | $12,513,410,495 | $ 20,297,103,281 | $12,707,503,091 |
| *Category 3* | 72,492 | $10,040,742,120 | $17,391,421,198 | $27,432,163,319 | $6,992,999,337 |
| *Category 4* | 101,794 | $12,625,555,628 | $23,968,191,165 | $36,593,746,794 | $22,494,898,569 |
| *Category 5* | 114,700 | $ 13,949,115,459 | $27,809,655,741 | $41,758,771,201 | $25,593,734,627 |

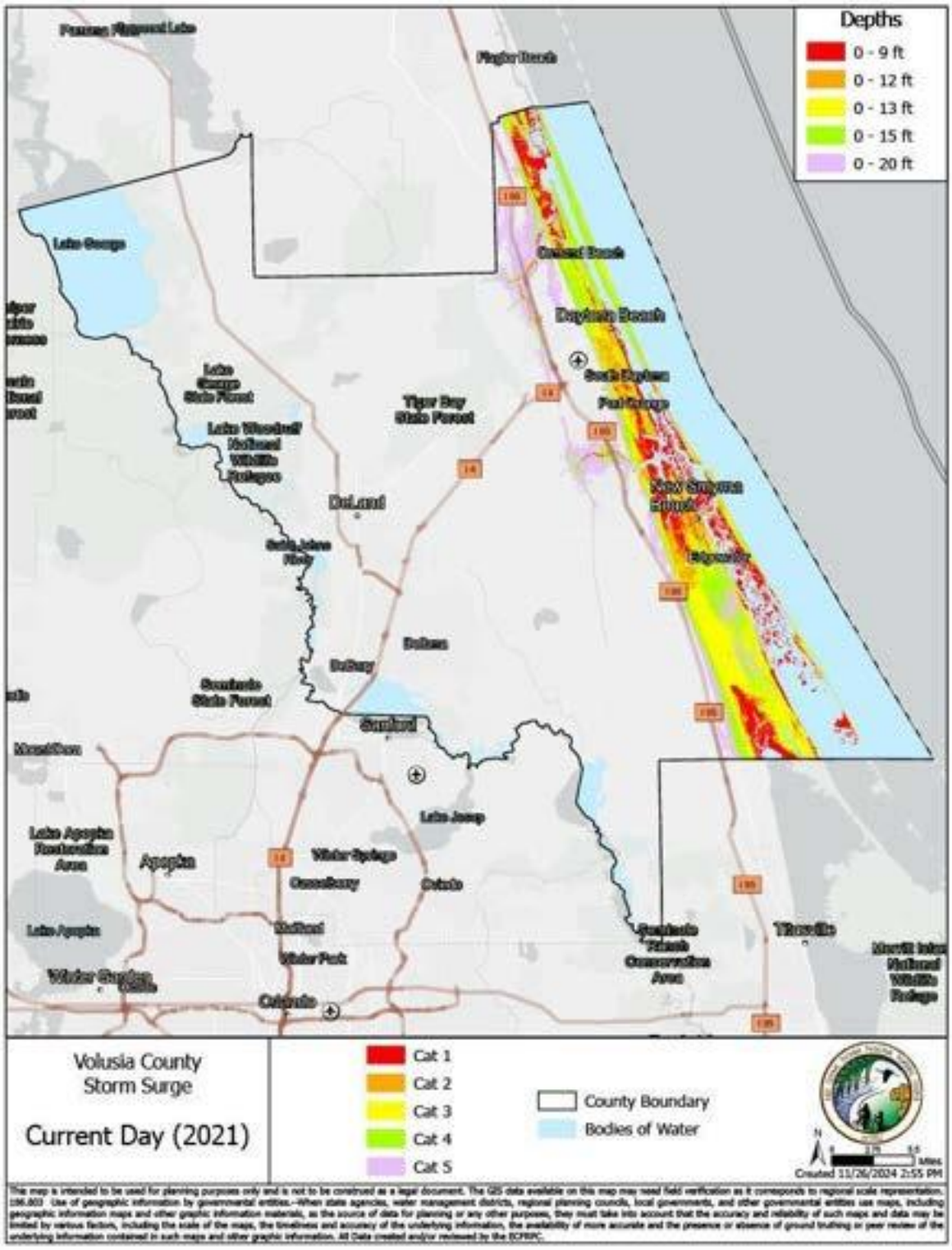
Source: NOAA NHC, Volusia County Property Appraiser Data (2024)

**Section 6: Table 8: Property Financial Exposure to Sea Level Rise**

| Jurisdiction | Properties | Land Value | Building Value | Assessed Value | County Taxable Value |
|---|---|---|---|---|---|
| *Daytona Beach* | 1,795 | $169,014,252 | $629,417,387 | $798,431,640 | $664,021,379 |
| *Daytona Beach Shores* | 2,506 | $111,725,822 | $1,035,616,002 | $1,147,341,824 | $983,518,299 |
| *Ormond Beach* | 635 | $145,553,584 | $423,703,299 | $569,256,883 | $484,558,201 |
| *Ponce Inlet* | 337 | $63,575,696 | $153,180,138 | $216,755,834 | $183,980,752 |
| *Unincorporated* | 1,857 | $129,003,996 | $543,256,684 | $672,260,680 | $524,005,469 |

Source: ECFRPC, Florida Fish and Wildlife, Volusia County Property Appraiser Data (2024)

**Section 6: Figure 6: Current Day Storm Surge**




Source: ECFRPC, Volusia County VA

## 6.12 SEVERE WEATHER

### Vulnerability

Severe weather, including hail, lightning, and thunderstorms, is a recurring concern in Volusia County. Each hazard poses unique threats to populations, property, and infrastructure, but come with little to no warning. It encompasses a range of phenomena that are more extreme than typical weather conditions. Severe weather events can impact all areas of Volusia County, depending on the location of the storm, its direction, and its lateral speed across the Earth's lower atmosphere. These events can cause damage to structures, disruption of utilities and surface/air transportation.

Vulnerability to severe weather is medium due to its frequency in nature combined with our ability to monitor and predict when severe weather will impact Volusia County and its jurisdictions. While severe weather can have damaging effects on people and property, widespread awareness and lead time before storms reduces our overall vulnerability to its effects. Vulnerability to severe weather is consistent throughout all jurisdictions.

Hailstorms can occur unpredictably across Volusia County, impacting all buildings, facilities, and populations equally. Hailstones in Florida are typically penny to quarter-sized but can occasionally grow as large as golf balls or baseballs, causing significant damage to property and infrastructure. Vulnerable areas of structures include roofs, windows, and pool screens, as well as exposed personal property like vehicles and outdoor decor. Communication facilities may be at a higher risk of a lightning strike, while school assets such as football stadiums with lighting could also be at an increased level of vulnerability. Structures that are isolated in areas of low tree coverage are at a higher risk for lightning strikes. Jurisdictions within the county where this could be more common include DeLand, Lake Helen, Orange City, and Pierson. These areas are generally more rural in nature and have a higher rate of isolated critical facilities and structures.

In situations where tornadoes are present, hail may have a higher likelihood of being present. Moreover, structures that have partial or full tree coverage could have lessened property damage due to hail as a result of the slowing speed of the hail before impact with property. Severe hail can also damage emergency vehicles and communication systems, disrupting response efforts.

Beachside structures located near or along the Atlantic Ocean are also at a higher vulnerability to lightning damage due to historical occurrences. There are not many critical facilities located along the Atlantic Ocean in Volusia County, as the majority of those facilities are located inland along the barrier islands or are located west of the Intracoastal Waterway. Vulnerable areas for lightning include recreational spaces, golf courses, and the county's 47 miles of Atlantic Ocean beaches, where tourists and residents engaging in outdoor activities face heightened risks. Lightning is a dangerous threat to people in the United States, particularly those who are outside during the summer. The number one area for fatalities due to lightning strikes is open fields, making Volusia County's 47 miles of Atlantic Ocean beach among the most dangerous in the County. This heightens the risk for the tourist population who may be unaware of the imminent danger of quickly approaching tropical systems that emit lightning.

Communication systems and power sources are among the most vulnerable land uses to this hazard due to their electrical nature. Volusia County has approximately 30 golf courses, along with private and public recreational facilities, the Daytona Beach International Speedway and 2 additional smaller outdoor

racetracks, 2 intracoastal waterways traversing the county, school facilities, and parks located throughout the County. Individuals participating in the following recreational activities could be vulnerable to lightning including: golf, football, baseball, soccer, surfing, horseback riding, walking, jogging, tennis, boating, fishing, kite flying, kayaking, paddle boarding, beach activities, picnicking, camping, hiking, gardening, hunting, swimming, basketball, softball, cycling, wind surfing, lacrosse, archery, track and field events, stock car races, outdoor festivals and numerous other outdoor activities. It is estimated that at least 75% of the population participates in at least one of these recreational activities and is thus vulnerable to lightning.

Thunderstorms are frequent throughout the year in Volusia County, often bringing high winds, hail, and lightning. From 2019 to 2024, the county experienced 14 severe thunderstorm events, causing $23,000 in property damage. Downed trees, power outages, and damage to homes and infrastructure are common consequences. Unhoused populations, outdoor event spectators, and those engaging in recreational activities are particularly vulnerable.

## Impacts

Lightning can spark structure fires, damage electrical systems, and contribute to wildfire during dry seasons. Critical facilities with tall antennas, isolated structures, or those in rural areas like DeLand, Lake Helen, Orange City, and Pierson are at increased risk of lightning strikes. Beachside properties, including hotels and utilities, are also vulnerable. As it cannot be predicted where lightning may strike, all existing and future buildings, facilities and populations in Volusia County are exposed to this hazard and could potentially be impacted. As the lightning capital of the U.S., Florida experiences a high frequency of lightning strikes, with Volusia County recording approximately 4,000 lightning strikes weekly during summer.

Beachside structures located near or along the Atlantic Ocean are also at a higher vulnerability to lightning damage. Many utilities are in these locations. Most of the buildings located along the beach are hotels, businesses and high-rise condos. There are not many critical facilities located along the Atlantic Ocean in Volusia County, as the majority of those facilities are located inland along the barrier islands or are located west of the Intracoastal Waterway.

Thunderstorms frequently occur in Volusia County. Since it cannot be predicted where thunderstorms may occur, all existing and future buildings, facilities and populations are exposed to this hazard and could potentially be impacted. Thunderstorm winds can disrupt transportation and utilities, while heavy rain may lead to localized flooding. Critical roadways may be blocked by downed trees or power lines, complicating emergency response. Thunderstorms can also exacerbate other hazards, such as hail and lightning, increasing their overall impact on the county.

While severe weather generally has minimal long-term environmental impacts, it can cause immediate issues such as downed vegetation, localized flooding, and occasional wildfires. Economically, damages are often covered by insurance, limiting their broader impact on the local economy.

Volusia County Emergency Management has systems in place to maintain operations during severe weather events. Redundant communication systems, backup power, and a Continuity of Operations Plan (COOP) ensure the county can respond effectively, even in catastrophic scenarios. However, responders

may face challenges such as blocked roads, downed power lines, and unsafe conditions caused by lightning or hail.

Public confidence in government is unlikely to be significantly affected by severe weather events, as Volusia County provides timely information through NOAA weather radios, social media, and the county's website. Recovery efforts for most severe weather events are typically completed within days.

## 6.13 TORNADO

### Vulnerability

Historical evidence confirms that Volusia County is vulnerable to tornadoes, which can result from severe thunderstorms, tropical storms, or hurricanes. These hazards are unpredictable, with no specific area immune from their potential impacts. All buildings, facilities, and populations in Volusia County are considered exposed to tornadoes, regardless of location. Vulnerable populations, such as the unhoused, elderly, and lower-income residents, are particularly at risk, as are those living in mobile home parks and manufactured housing communities. Volusia County has mobile home/manufactured home parks throughout the county, both east and west sides which are equally vulnerable to impacts of tornadoes. Many of the parks are 55 and older only while others have very old mobile homes that are not built to today's standards, leaving the elderly and low-income populations more at risk. Many of these structures, particularly older ones, are not built to current building standards, making them highly susceptible to damage from high winds and flying debris. **Section 6 Table 9** displayed each jurisdiction's number of homes and when the homes were built. Daytona Beach and Unincorporated Volusia have the highest number of homes built pre-1969, making residents of those jurisdictions more vulnerable.

### Impacts

While tornadoes are relatively rare in Volusia County compared to other hazards, they can have devastating effects when they occur. The strongest tornado to impact Volusia County was an EF3, capable of leveling well-constructed buildings, uprooting trees, and creating automobile-sized projectiles that can travel for miles. Although large tornadoes are uncommon, their potential for destruction makes them a significant threat to both life and property.

Two primary types of tornadoes typically impact Volusia County. Larger tornadoes, in the EF2 to EF4 range, often form in central Florida near the Orlando metropolitan area and tend to move from the west-southwest to the east-northeast. These tornadoes cover large areas and are more likely to affect the western portions of Volusia County, particularly near its borders with Seminole and Lake Counties. Historical patterns suggest that tornado activity often reaches the eastern coastline after being detected in Central Florida, offering some warning for communities in the storm's path.

Smaller tornadoes, typically in the EF0 to EF1 range, occur more frequently in Volusia County and are less predictable. These tornadoes do not follow consistent geographic patterns, and their touchdowns can appear randomly. Despite this, a disproportionate number of these smaller tornadoes have been observed near the Intracoastal Waterway. Rarely have tornadoes been recorded crossing Interstate 95 in Volusia County, further illustrating the widespread vulnerability of the area to these storms.

The consequences of tornadoes on property, infrastructure, and the environment can be severe. Tornadoes can demolish homes, businesses, and critical facilities, while also disrupting utilities such as power and communication systems. Roads may become impassable due to debris, downed trees or power lines, and complicated emergency response efforts. Older structures are particularly vulnerable, as building codes have become more stringent over time to better withstand high winds. Infrastructure in the western portions of the county faces higher risks from larger tornadoes, which develop over longer periods and allow less time for mitigation or protective measures. Thus, critical facilities at the highest risk for strong tornado damage (and loss of human life) would generally be those located in the western portion of the

county due to the shorter duration of time allowed for mitigation of these properties in the event of an incoming storm.

The environmental impacts of tornadoes vary depending on their intensity. Even weaker EF0 tornadoes can uproot trees and vegetation, while stronger tornadoes can scatter debris over great distances, sometimes miles from the point of origin. This debris can contaminate waterways or cause secondary hazards if it includes hazardous materials from damaged vehicles or storage facilities. Agencies such as Volusia County Environmental Management and the County Health Department would monitor these environmental impacts to mitigate risks.

Emergency response efforts in the aftermath of a tornado are critical but can be challenging. Search and rescue operations may be required in heavily impacted areas, and responders may encounter destroyed communication systems, missing landmarks, and blocked roadways. Power lines and debris present additional hazards, necessitating extreme caution for first responders. Despite these challenges, the Volusia County Emergency Operations Center is fortified to withstand an EF4 tornado, ensuring its continued operation even during severe events. In the unlikely event of direct damage to the VCEOC, alternative plans outlined in the COOP would allow emergency services to continue without significant interruption.

Tornadoes also pose economic risks to the county. While smaller tornado events may only have a localized impact, larger tornado outbreaks can devastate entire communities, crippling local economies and requiring substantial recovery resources. Assistance from the Volusia County Community Organizations Active in Disaster (COAD), including the American Red Cross, would be mobilized to support affected residents and businesses.

Public awareness and preparedness play crucial roles in mitigating the impacts of tornadoes. The county utilizes NOAA weather radios, social media platforms, and premade media materials to disseminate information during and after tornado events. Some communities in Volusia County are equipped with tornado sirens and safe rooms, further enhancing public safety during these hazardous events.

In conclusion, while tornadoes are not as frequent as other hazards in Volusia County, their potential for catastrophic damage makes them a significant concern. All areas and populations within the county are at risk, and continued efforts in preparedness, infrastructure hardening, and public education remain essential to minimizing their impact and ensuring the safety and resilience of the community.

**Section 6: Table 9: Year Range of Built Homes for each Municipality**

| JURISDICTION | Pre- 1969 | 1970-1979 | 1980-1989 | 1990-1999 | 2000-2024 |
|---|---|---|---|---|---|
| Daytona Beach | 10,816 | 3,919 | 4,114 | 1,090 | 8,353 |
| Daytona Beach Shores | 578 | 1,257 | 1,842 | 1,276 | 1,637 |
| DeBary | 1,562 | 735 | 1,577 | 2,120 | 3,567 |
| DeLand | 2,767 | 1,114 | 587 | 815 | 8,120 |
| Deltona | 2,568 | 4,325 | 12,629 | 6,455 | 10,181 |
| Edgewater | 1,111 | 1,173 | 3,517 | 1,518 | 2,969 |
| Holly Hill | 2,490 | 600 | 664 | 174 | 834 |
| Lake Helen | 399 | 223 | 164 | 414 | 232 |
| New Smyrna Beach | 3,370 | 3,391 | 3,506 | 1,671 | 7,095 |
| Oak Hill | 176 | 107 | 183 | 129 | 483 |
| Orange City | 682 | 366 | 588 | 345 | 1,251 |
| Ormond Beach | 4,318 | 3,537 | 3,736 | 2,029 | 3,593 |
| Pierson | 228 | 93 | 91 | 47 | 81 |
| Ponce Inlet | 88 | 612 | 568 | 739 | 1,059 |
| Port Orange | 1,331 | 3,984 | 6,819 | 3,895 | 6,585 |
| South Daytona | 1,714 | 1,261 | 980 | 449 | 517 |
| Unincorporated | 12,400 | 8,877 | 10,243 | 6,916 | 13,829 |

Sources: Volusia County Property Appraiser Data (2024). Some properties were not provided with a land use code by VCPAO.

## 6.14 TROPICAL CYCLONE

### Vulnerability

Tropical cyclones, encompassing hurricanes and tropical storms, pose significant risks to Volusia County. The overall vulnerability of tropical cyclones is high within all jurisdictions of Volusia County. The possibility of harm to humans, high property damage, and potential infrastructure losses all combine to make tropical cyclones one of the highest threat hazards. Volusia County is vulnerable to tropical cyclones to a similar level in all jurisdictions because of the spatial extent of a hurricane or tropical storm. The LMS works to protect critical infrastructure and residents in order to reduce the vulnerability of the community.

These events often affect large areas and cross jurisdictional boundaries, exposing all existing and future buildings, facilities, and populations to potential impacts. Volusia County has a lower risk compared to other areas of the state such as the western panhandle and southeastern Florida.

The county's coastal region, home to over 45% of the population, is particularly vulnerable. Vulnerable populations, including the unhoused, disabled, elderly, and lower-income residents, face heightened risks during these events. Additionally, residents living on the barrier islands or adjacent to the Intracoastal Waterway system are particularly susceptible due to their proximity to storm surge zones and areas prone to flooding.

### Impacts

Critical infrastructure, including communication systems and power sources, is vulnerable to tropical cyclones. These storms bring a combination of high winds, flooding, coastal erosion, and heavy precipitation, making it challenging to estimate total potential losses. Historical data suggest that Volusia County is at a relatively lower risk for direct impacts compared to areas like the western Florida Panhandle or southeastern Florida. However, regions closer to the Atlantic Ocean or in the southeastern part of the county face the highest risk of wind damage.

This area also drives much of the county's tourism, which faces significant disruption during tropical cyclone events. One of Volusia County's most significant hurricane seasons on record occurred in 2004, with Hurricanes Charley, Frances, and Jeanne causing back-to-back impacts. While Charley was the only storm to bring hurricane-force winds to the county, the cumulative effects of these storms caused extensive damage to homes, infrastructure, and the environment. Over 40% of homes sustained damage, and the total economic losses exceeded $560 million. Annualized losses to residential buildings in the county are estimated at over $280 million, with an additional $70 million in annualized losses for non-residential structures.

Beyond high winds, tropical cyclones bring cascading hazards, including inland flooding, tornadoes, storm surge, and severe beach erosion. These hazards significantly impact on the environment, causing downed trees, eroded coastal dunes, and loss of animal habitat, like sea turtle nesting areas. Additionally, debris and hazardous materials may wash into waterways, further harming sensitive ecosystems. The monetary cost of erosion alone is challenging to calculate as it often occurs alongside other impacts. Agencies such as Volusia County Environmental Management and the County Health Department play vital roles in monitoring and mitigating environmental consequences.

Program operations and emergency response efforts can be strained during a major tropical cyclone, particularly a Category 3 or higher hurricane. While routine operations generally continue during tropical depressions or weaker storms, a direct hit from a significant hurricane could severely disrupt county functions. In such cases, Volusia County may require assistance from neighboring counties, the state, or FEMA through mutual aid agreements like the Emergency Management Assistance Compact (EMAC). Recovery may take months or even years to return operations to pre-storm levels, depending on the storm's severity.

The public faces numerous challenges during and after tropical cyclones, including injuries, fatalities, destruction of homes and businesses, and prolonged disruptions to essential services like water, power, and sewage. Recovery is often costly, time-consuming, and emotionally taxing for affected residents, even with insurance or disaster assistance. These events can have lasting psychological impacts, especially on those who experience repeated storm impacts. All residents are vulnerable.

Responders face extreme challenges in tropical cyclone events. Downed trees, power lines, damaged infrastructure, and impassable roads complicate rescue and recovery efforts. Critical facilities such as the EOC, fire stations, hospitals, and government buildings may also sustain damage, limiting their functionality. Responders must operate with heightened awareness of their risks, especially in hazardous conditions caused by the storm.

The economic consequences of tropical cyclones are substantial. The 2004 hurricane season remains the costliest disaster in Volusia County's history, with damages to tourism alone amounting to millions of dollars per day. Recovery from a single major hurricane can take years, with long-term financial impacts on the county and affected communities.

To mitigate these risks and maintain public confidence, the Volusia County Emergency Management has implemented various preparedness and public awareness initiatives. These include a video disaster preparedness guide, behavioral surveys following hurricane evacuations, public presentations, and an annual media campaign in collaboration with local outlets like the Daytona Beach News Journal. During hurricane events, the Public Information Office (PIO) uses pre-prepared materials and social media campaigns to provide timely updates. Year-round preparedness information can be disseminated through the county's weekly Podcast called Volusia Today.

Through these efforts, Volusia County Emergency Management aims to ensure residents are informed and confident in the county's ability to respond to and recover from tropical cyclones. These storms remain a significant threat to Volusia County, necessitating ongoing vigilance and community resilience to minimize the impacts.

**Section 6: Tables 10-14** display individual municipalities vulnerability and potential financial impacts. **Section 6: Figures 7-11** display the jurisdictions most vulnerable to tropical cyclone wind.

**Section 6: Table 10:Total Exposure and Potential Losses from Tropical Storm 10 Year Wind Event**

| JURISDICTION | Category Storm | Total Properties Impacted | Total Improved Value | Total County Taxable Value |
|---|---|---|---|---|
| Daytona Beach | Tropical Storm (10 Year Wind) | 30,119 | $12,633,494,317 | $7,749,648,103 |
| Daytona Beach Shores | Tropical Storm (10 Year Wind) | 1,996 | $882,003,599 | $738,195,556 |
| DeBary | Tropical Storm (10 Year Wind) | 10,711 | $3,435,586,766 | $1,891,223,406 |
| DeLand | Tropical Storm (10 Year Wind) | 14,334 | $4,967,030,224 | $2,807,390,723 |
| Deltona | Tropical Storm (10 Year Wind) | 38,625 | $10,394,231,629 | $4,998,200,319 |
| Edgewater | Tropical Storm (10 Year Wind) | 15 | $29,363,698 | $1,306,086 |
| Holly Hill | Tropical Storm (10 Year Wind) | 5,918 | $1,396,507,074 | $940,757,855 |
| Lake Helen | Tropical Storm (10 Year Wind) | 1,611 | $380,061,877 | $187,817,740 |
| New Smyrna Beach | Tropical Storm (10 Year Wind) | 4,550 | $1,792,674,363 | $1,085,721,035 |
| Oak Hill | Tropical Storm (10 Year Wind) | NA | NA | NA |
| Orange City | Tropical Storm (10 Year Wind) | 4,152 | $1,804,174,621 | $1,132,329,161 |
| Ormond Beach | Tropical Storm (10 Year Wind) | 19,640 | $8,159,700,002 | $5,171,008,626 |
| Pierson | Tropical Storm (10 Year Wind) | 998 | $201,935,655 | $75,064,369 |
| Ponce Inlet | Tropical Storm (10 Year Wind) | 2 | $1,602,240 | $- |
| Port Orange | Tropical Storm (10 Year Wind) | 21,960 | $8,081,425,788 | $4,806,901,213 |
| South Daytona | Tropical Storm (10 Year Wind) | 5,744 | $1,603,899,506 | $995,389,225 |
| Unincorporated | Tropical Storm (10 Year Wind) | 58,314 | $17,039,658,509 | $8,978,042,429 |
| **Total** | | **218,689** | **$72,803,349,868** | **$41,558,995,846** |

**Section 6: Table 11: Total Exposure and Potential Losses from Category 1 Hurricane 10 Year Wind Event**

| JURISDICTION | Category Storm | Total Properties Impacted | Total Improved Value | Total County Taxable Value |
|---|---|---|---|---|
| Daytona Beach | Category 1 (10 Year Wind) | 92 | $53,804,064 | $27,475,696 |
| Daytona Beach Shores | Category 1 (10 Year Wind) | 5,068 | $2,030,402,176 | $1,648,277,480 |
| Edgewater | Category 1 (10 Year Wind) | 11,391 | $3,194,704,166 | $1,760,195,467 |
| New Smyrna Beach | Category 1 (10 Year Wind) | 14,973 | $8,240,653,427 | $5,484,596,621 |
| Oak Hill | Category 1 (10 Year Wind) | 1,508 | $347,201,180 | $174,501,154 |
| Ponce Inlet | Category 1 (10 Year Wind) | 3,501 | $1,905,167,040 | $1,371,503,690 |
| Port Orange | Category 1 (10 Year Wind) | 2,149 | $540,957,713 | $331,306,371 |
| Unincorporated | Category 1 (10 Year Wind) | 9,540 | $3,814,506,610 | $2,446,202,323 |
| **Total** | | **106,536** | **$37,167,054,885** | **$22,222,101,231** |

**Section 6: Table 12: Total Exposure and Potential Losses from Category 1 Hurricane 100 Year Wind Event**

| JURISDICTION | Category Storm | Total Properties Impacted | Total Improved Value | Total County Taxable Value |
|---|---|---|---|---|
| Pierson | Category 1 (100 Year Wind) | 998 | $201,935,655 | $75,064,369 |
| Unincorporated | Category 1 (100 Year Wind) | 4,667 | $1,091,440,399 | $461,913,478 |
| **Total** | | **5,665** | **$1,293,376,054** | **$536,977,847** |

**Section 6: Table 13: Total Exposure and Potential Losses from Category 2 Hurricane 100 Year Wind Event**

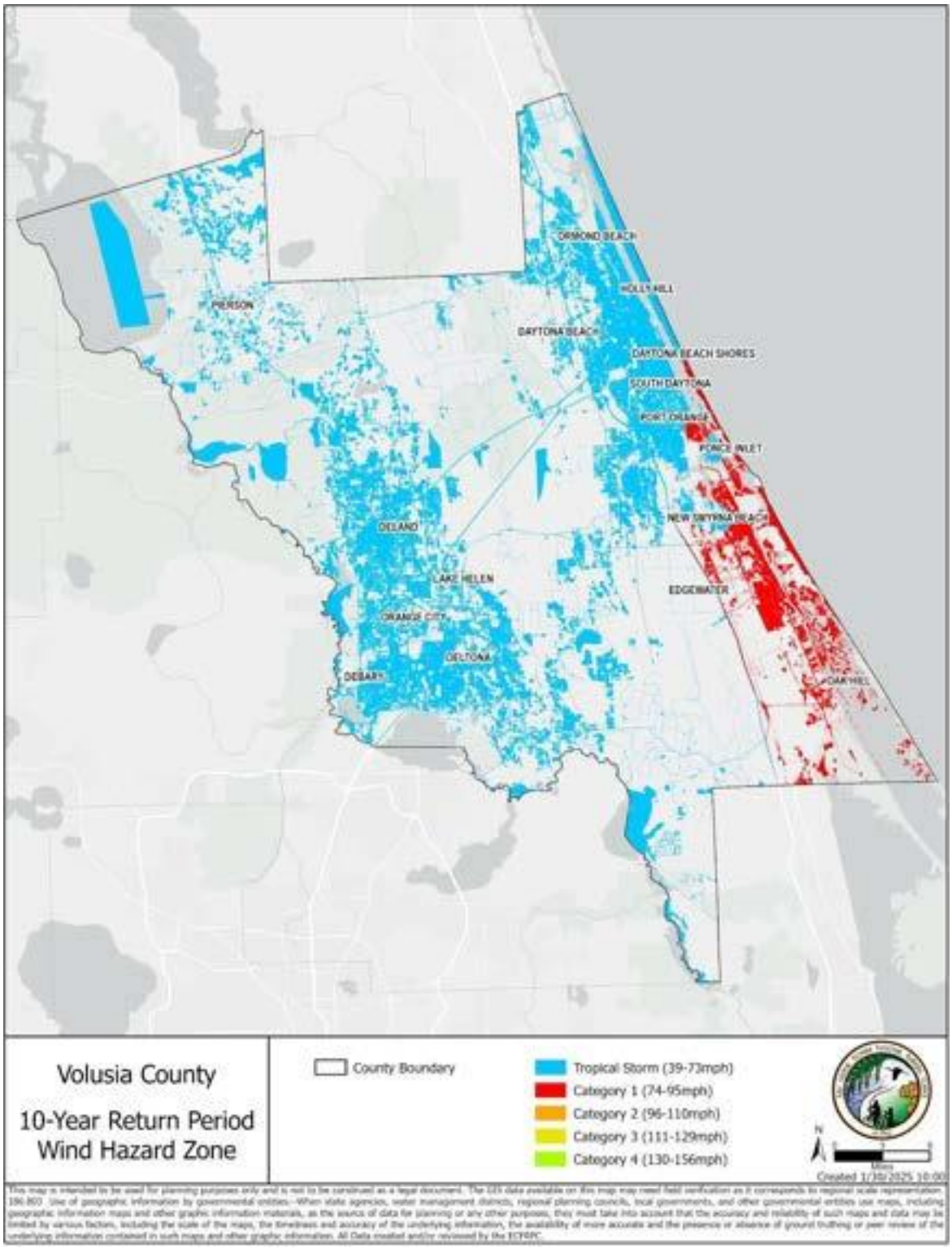
| JURISDICTION | Category Storm | Total Properties Impacted | Total Improved Value | Total County Taxable Value |
|---|---|---|---|---|
| Daytona Beach | Category 2 (100 Year Wind) | 30,211 | $12,687,298,381 | $7,777,123,799 |
| Daytona Beach Shores | Category 2 (100 Year Wind) | 5,384 | $2,255,645,845 | $1,818,525,882 |
| DeBary | Category 2 (100 Year Wind) | 10,711 | $3,435,586,766 | $1,891,223,406 |
| DeLand | Category 2 (100 Year Wind) | 14,334 | $4,967,030,224 | $2,807,390,723 |
| Deltona | Category 2 (100 Year Wind) | 38,625 | $10,394,231,629 | $4,998,200,319 |
| Holly Hill | Category 2 (100 Year Wind) | 5,918 | $1,396,507,074 | $940,757,855 |
| Lake Helen | Category 2 (100 Year Wind) | 1,611 | $380,061,877 | $187,817,740 |
| New Smyrna Beach | Category 2 (100 Year Wind) | 3,955 | $1,230,060,289 | $707,080,447 |
| Orange City | Category 2 (100 Year Wind) | 4,152 | $1,804,174,621 | $1,132,329,161 |
| Ormond Beach | Category 2 (100 Year Wind) | 19,640 | $8,159,700,002 | $5,171,008,626 |
| Ponce Inlet | Category 2 (100 Year Wind) | 2 | $1,602,240 | $- |
| Port Orange | Category 2 (100 Year Wind) | 23,962 | $8,585,291,721 | $5,109,672,839 |
| South Daytona | Category 2 (100 Year Wind) | 5,744 | $1,603,899,506 | $995,389,225 |
| Unincorporated | Category 2 (100 Year Wind) | 48,474 | $14,257,690,656 | $7,695,806,165 |
| **Total** | | **218,388** | **$72,452,156,885** | **$41,769,304,034** |

**Section 6: Table 14: Total Exposure and Potential Losses from Category 3 Hurricane 100 Year Wind Event**

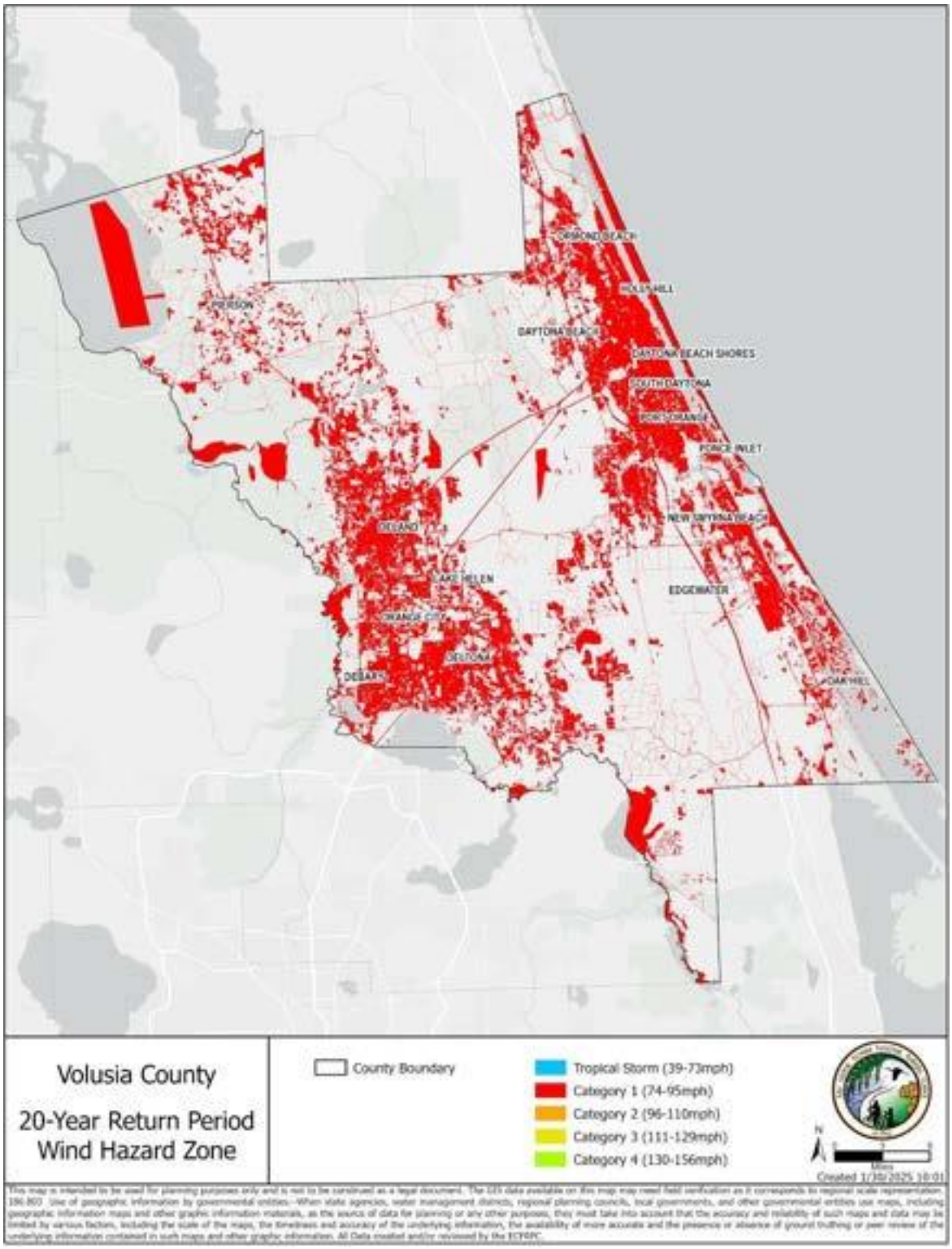
| JURISDICTION | Category Storm | Total Properties Impacted | Total Improved Value | Total County Taxable Value |
|---|---|---|---|---|
| Daytona Beach Shores | Category 3 (100 Year Wind) | 1,680 | $656,759,930 | $567,947,154 |
| Edgewater | Category 3 (100 Year Wind) | 11,406 | $3,224,067,864 | $1,761,501,553 |
| New Smyrna Beach | Category 3 (100 Year Wind) | 15,568 | $8,803,267,501 | $5,863,237,209 |
| Oak Hill | Category 3 (100 Year Wind) | 1,508 | $347,201,180 | $174,501,154 |
| Ponce Inlet | Category 3 (100 Year Wind) | 3,501 | $1,905,167,040 | $1,371,503,690 |
| Port Orange | Category 3 (100 Year Wind) | 147 | $37,091,780 | $28,534,745 |
| Unincorporated | Category 3 (100 Year Wind) | 14,713 | $5,505,034,064 | $3,266,525,109 |
| **Total** | | **96,997** | **$34,736,280,015** | **$20,729,556,779** |

Sources: FDEM, HAZUS, Volusia County Property Appraiser Data (2024)

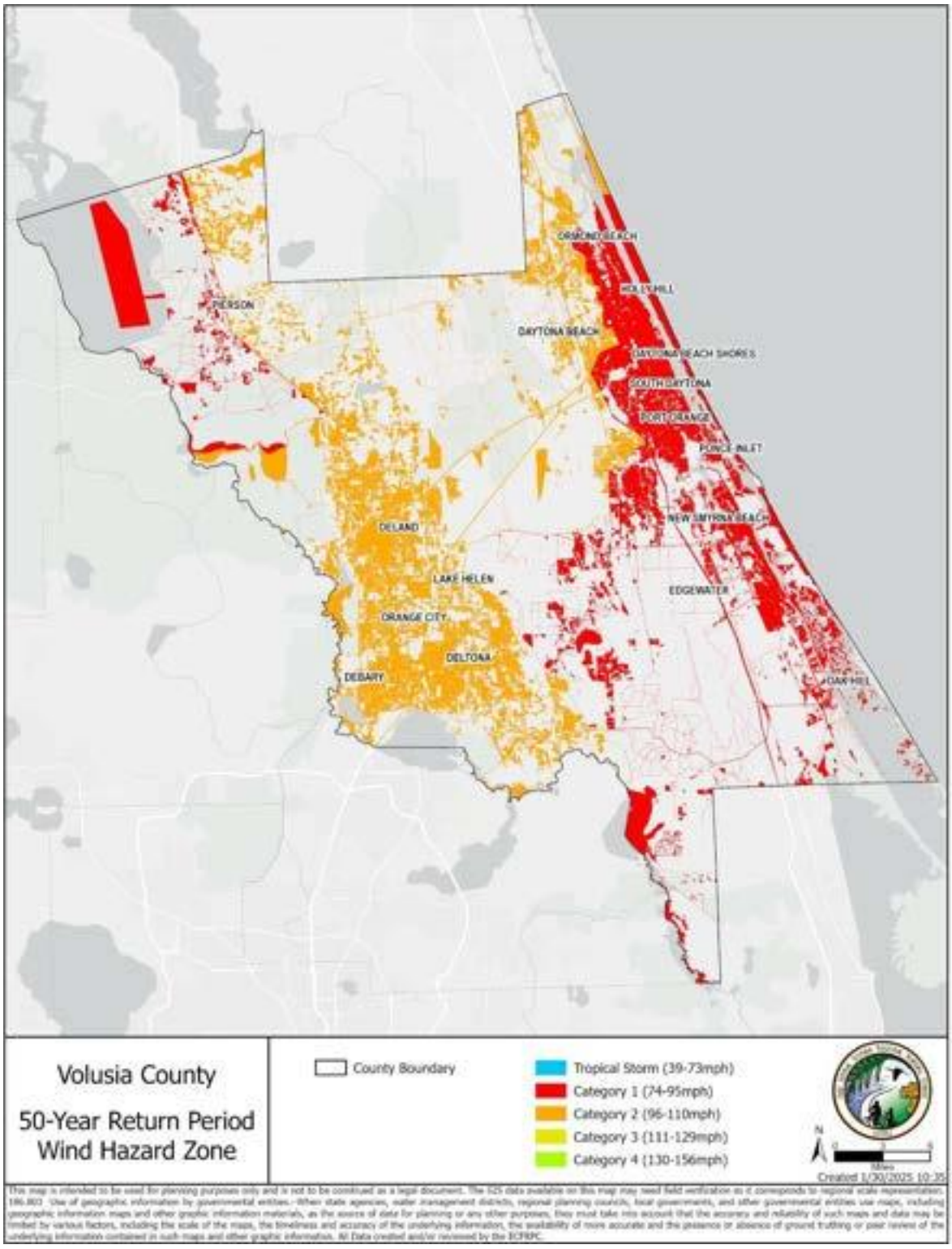
**Section 6: Figure 7: Wind Hazard Zones 10-Year Event**



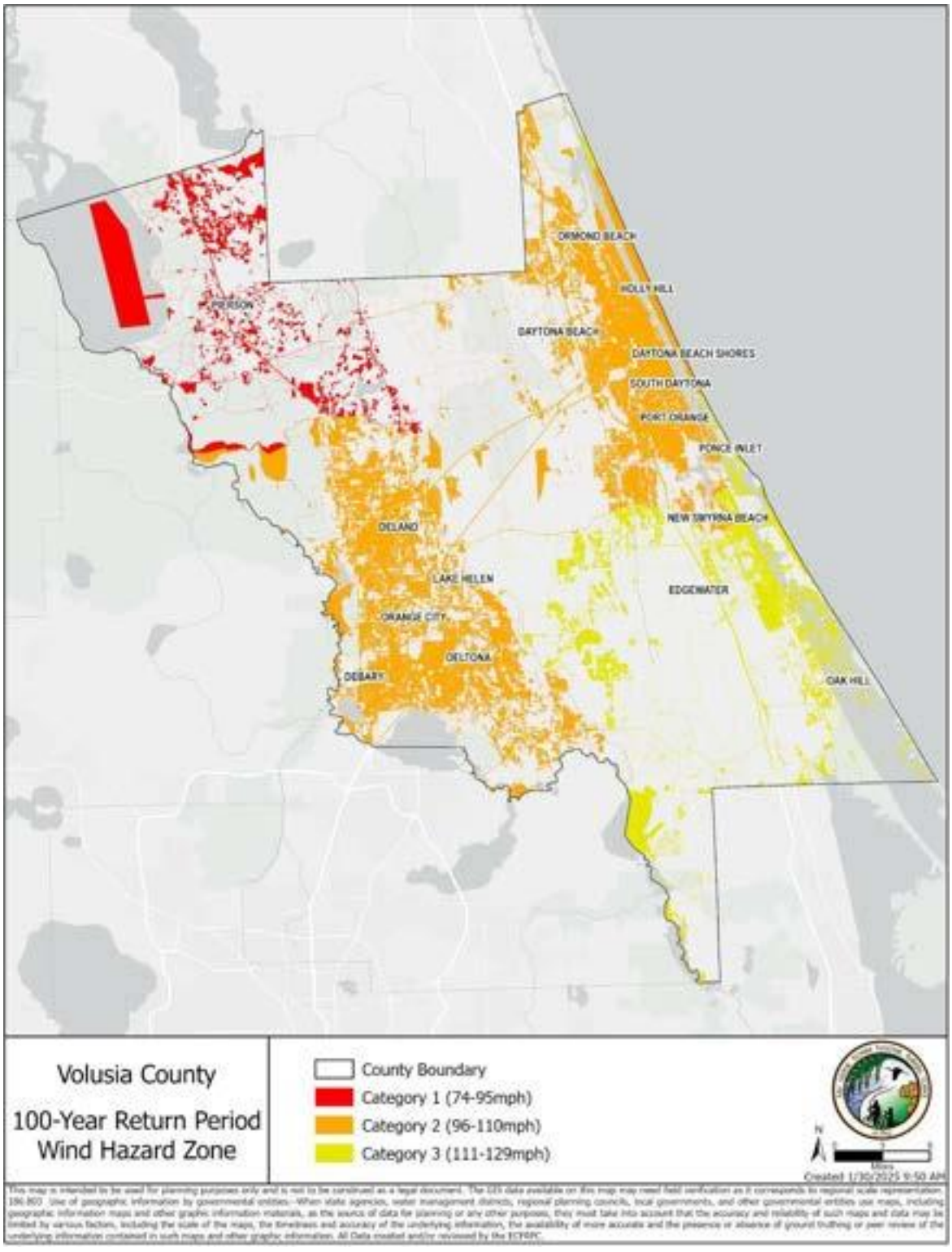
**Section 6: Figure 8: Wind Hazard Zones 20-Year Event**



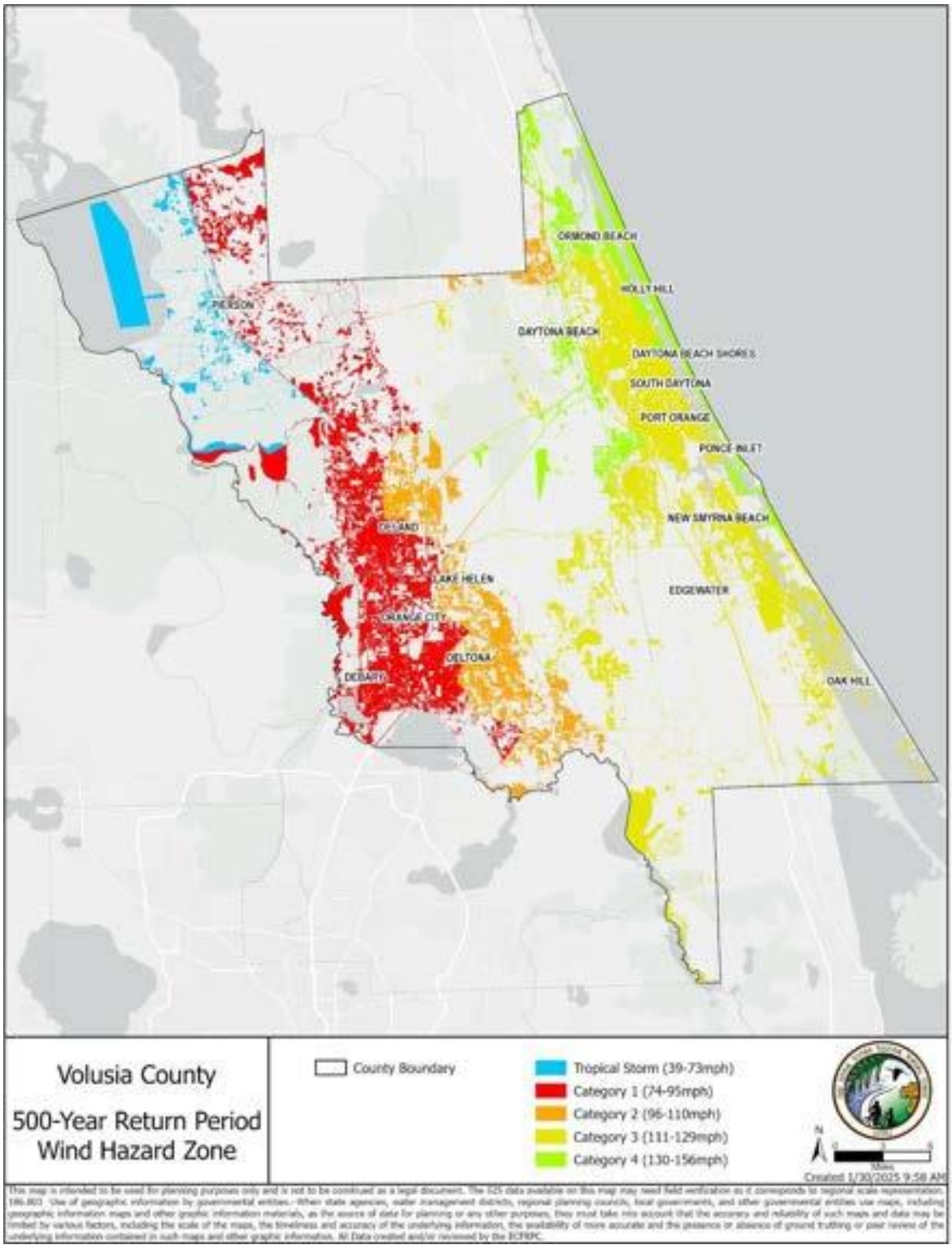
**Section 6: Figure 9: Wind Hazard Zones 50-Year Event**



**Section 6: Figure 10: Wind Hazard Zones 100-Year Event**



**Section 6: Figure 11: Wind Hazard Zones 500-Year Event**



## 6.15 WILDLAND FIRE

### Vulnerability

Overall vulnerability to wildland fires is medium. Wildland fires can happen quickly and cause widespread damage. Volusia County faces a uniform risk of wildland fires, particularly during hot, dry summer months and periods of drought. Wildland fires most frequently affect wooded areas with low population densities, posing a heightened threat to rural areas. Although large population centers generally have lower risk, wildland fires can still cause significant damage to structures and critical infrastructure and pose serious health hazards, including injuries and fatalities from smoke inhalation.

The build year of a property is a critical metric in assessing wildland fire vulnerability due to the evolution of building codes over time. Modern codes restrict the use of flammable materials and promote mitigation strategies, reducing the risk for newer structures. While Volusia County has an older building stock overall, properties within fire hazard zones tend to be newer compared to those vulnerable to other hazards. Areas such as Ormond Beach's rural regions along SR 40 west of I-95 are particularly susceptible, with heavily wooded single-family subdivisions like Timber Creek, Hunters Ridge, Breakaway Trails, and Plantation Pines being at heightened risk.

In terms of land use, low-density residential properties dominate the fire hazard zones. Agricultural areas and extensive woodlands throughout the county also contribute significantly to the overall vulnerability. Wildland fires can spread through two primary mechanisms: burning ashes from tree lines that can “jump” across roadways or other barriers, and the less visible but equally dangerous underground energy transfer, where fires spread beneath the surface. This heightens the danger for residents in isolated rural areas surrounded by dense vegetation.

### Impacts

The public faces direct consequences when wildland fires impact homes or businesses. Fires can destroy property, disrupt utility services, and limit access to roadways. Smoke and ash also contribute to air pollution, exacerbating health risks, particularly for vulnerable populations.

Responders face significant challenges during wildland fire events. The unpredictable and dynamic nature of fires, driven by changing wind and environmental conditions, requires substantial resources and strategic planning. Smoke inhalation poses health risks to emergency personnel, emphasizing the importance of protective measures during response efforts.

While wildland fires are a natural part of the ecosystem, they can severely impact the environment. Beyond damaging native vegetation and wildlife habitats, wildfires contribute to air and water pollution. Smoke and ash can contaminate waterways, while the loss of tree cover can exacerbate soil erosion. Volusia County Fire Services and the Health Department actively monitor and address air and water quality concerns during wildfire events.

Despite these challenges, Volusia County Emergency Management anticipates no significant disruptions to operations or service delivery during a wildland fire. The county's COOP ensures uninterrupted emergency management functions even in the event of a direct impact on the Emergency Operations Center.

Economically, wildland fires in Volusia County tend to have localized impacts. However, larger fires that are difficult to control may disrupt events or industries critical to the county's economy. For example, smoke from past wildland fires led to the postponement of the Coke Zero race. Small, rural communities are particularly vulnerable, as fire could devastate local economies. Recovery efforts would rely on organizations such as the County Community Organizations Active in Disaster and the American Red Cross.

Public confidence in government typically remains stable during wildfire events, supported by Volusia County's preparedness and outreach efforts. The county maintains premade media materials and actively uses social media and NOAA weather radios to provide timely updates. The success of past wildfire responses, such as the 1998 fires where 29,000 homes were at risk but only six homes, one mobile home, and two businesses were lost, continues to bolster public confidence.

While wildland fires pose a persistent hazard in Volusia County, ongoing mitigation efforts, strategic response plans, and public outreach programs aim to reduce risks and strengthen resilience for residents and communities.

**Section 6 Table 15** lists the number of properties and the property values that are in the high, moderate, and low-risk wildfire zones for each jurisdiction. The table depicts exposure to different fire hazard zones utilizing 2024 property data.

**Section 6: Table 15: Financial Exposure to Hazard Zones – Cumulative Financial Values within Zones**

| Fire Class | Jurisdiction | Properties in Zone | Improved Value | County Taxable Value |
|---|---|---|---|---|
| **High** | Daytona Beach | 3,960 | $1,621,910,972 | $1,100,871,625 |
| **High** | DeBary | 595 | $123,696,392 | $71,260,689 |
| **High** | DeLand | 1,996 | $557,354,485 | $315,406,868 |
| **High** | Deltona | 4,860 | $1,360,101,355 | $614,732,256 |
| **High** | Edgewater | 218 | $78,888,888 | $63,852,351 |
| **High** | Flagler Beach | 87 | $18,630,680 | $14,443,385 |
| **High** | Lake Helen | 41 | $5,131,605 | $3,953,680 |
| **High** | New Smyrna Beach | 3,791 | $2,390,211,297 | $1,658,049,388 |
| **High** | Oak Hill | 81 | $25,793,217 | $17,252,942 |
| **High** | Orange City | 453 | $176,845,248 | $88,972,631 |
| **High** | Ormond Beach | 731 | $312,658,433 | $189,904,269 |
| **High** | Pierson | 449 | $64,216,525 | $26,878,577 |
| **High** | Ponce Inlet | 231 | $155,549,724 | $96,787,982 |
| **High** | Port Orange | 799 | $230,558,080 | $144,915,655 |
| **High** | Unincorporated - Northeast | 1,335 | $540,111,625 | $278,077,559 |
| **High** | Unincorporated - Silver Sands | 706 | $417,407,739 | $296,803,246 |
| **High** | Unincorporated - Southeast | 5,963 | $521,456,019 | $188,861,028 |
| **High** | Unincorporated - Westside | 11,761 | $2,225,133,609 | $969,991,162 |
| **Moderate** | Daytona Beach | 31,147 | $12,533,260,053 | $7,919,658,941 |
| **Moderate** | Daytona Beach Shores | 2,893 | $1,350,116,182 | $1,103,966,152 |
| **Moderate** | DeBary | 9,920 | $3,241,368,607 | $1,798,776,829 |
| **Moderate** | DeLand | 14,393 | $4,828,128,637 | $2,923,508,334 |
| **Moderate** | Deltona | 30,375 | $8,169,433,604 | $4,035,835,045 |
| **Moderate** | Edgewater | 8,964 | $2,519,384,642 | $1,420,329,636 |
| **Moderate** | Holly Hill | 5,800 | $1,361,329,064 | $918,257,259 |
| **Moderate** | Lake Helen | 1,689 | $393,647,375 | $194,327,113 |
| **Moderate** | New Smyrna Beach | 15,921 | $7,558,573,110 | $4,981,167,216 |
| **Moderate** | Oak Hill | 1,263 | $297,652,301 | $162,899,267 |
| **Moderate** | Orange City | 3,354 | $1,236,228,469 | $839,929,754 |
| **Moderate** | Ormond Beach | 14,772 | $5,778,695,551 | $3,582,902,957 |
| **Moderate** | Pierson | 810 | $154,118,140 | $56,040,892 |
| **Moderate** | Ponce Inlet | 2,989 | $1,655,563,637 | $1,191,977,161 |
| **Moderate** | Port Orange | 22,399 | $7,791,882,881 | $4,649,882,613 |
| **Moderate** | South Daytona | 5,762 | $1,608,002,471 | $998,519,879 |
| **Moderate** | Unincorporated - Northeast | 15,536 | $5,227,758,862 | $3,244,407,793 |

| | | | | |
|---|---|---|---|---|
| **Moderate** | Unincorporated - Silver Sands | 2,745 | $1,713,146,335 | $1,309,887,634 |
| **Moderate** | Unincorporated - Southeast | 9,184 | $1,758,930,289 | $841,658,194 |
| **Moderate** | Unincorporated - Westside | 35,298 | $7,479,184,708 | $3,593,309,755 |
| **Low** | Daytona Beach | 747 | $530,545,157 | $238,590,165 |
| **Low** | Daytona Beach Shores | 4,172 | $1,562,586,675 | $1,282,789,651 |
| **Low** | DeBary | 1,339 | $373,434,741 | $232,160,537 |
| **Low** | DeLand | 1,141 | $377,415,088 | $145,436,734 |
| **Low** | Deltona | 4,876 | $1,147,809,284 | $548,445,778 |
| **Low** | Edgewater | 3,306 | $831,842,929 | $433,342,933 |
| **Low** | Holly Hill | 180 | $42,526,903 | $27,647,622 |
| **Low** | New Smyrna Beach | 2,813 | $1,061,141,079 | $612,135,406 |
| **Low** | Oak Hill | 493 | $95,609,757 | $34,729,020 |
| **Low** | Orange City | 954 | $525,873,104 | $297,400,216 |
| **Low** | Ormond Beach | 5,421 | $2,372,164,665 | $1,609,183,009 |
| **Low** | Pierson | 22 | $2,644,082 | $1,590,126 |
| **Low** | Ponce Inlet | 378 | $137,595,600 | $106,466,095 |
| **Low** | Port Orange | 2,151 | $976,911,461 | $611,499,955 |
| **Low** | Unincorporated - Northeast | 3,010 | $1,067,953,541 | $659,959,894 |
| **Low** | Unincorporated - Southeast | 2,681 | $991,431,484 | $637,550,426 |
| **Low** | Unincorporated - Westside | 1,457 | $252,536,634 | $124,140,462 |

Source: ECFRPC, Volusia County Property Appraiser Data (2024), U.S. Forest Service. Some properties were not provided with a land use code by VCPAO.

## 6.16 CIVIL DISTURBANCE

### Vulnerability

The overall vulnerability of civil disturbances in Volusia County is low as there is no major political critical infrastructure like those of Tallahassee. While moderate human impact is possible, civil disorder can spread quickly and disrupt the public's confidence in the jurisdictions' governance. There are no major civil disturbances recorded, but all jurisdictions of Volusia County are vulnerable to civil disorder. The infrastructure most vulnerable is those around municipal buildings. The City of DeLand is most vulnerable due to the municipal complex hosting many of the county-wide departments.

### Impacts

Civil disturbances, while relatively rare, pose a potential risk to public safety, property, and the overall perception of stability in Volusia County. These events typically arise from social, political, or economic grievances and can escalate quickly, resulting in harm to individuals, damage to property, and disruptions to community operations.

The public is the most directly affected by civil disturbances, particularly individuals in the immediate vicinity of the event. Bystanders may be injured or, in severe cases, killed during such incidents. The risk is heightened during large gatherings, such as major NASCAR events, Biketoberfest, or Bike Week, when Volusia County hosts hundreds of thousands of visitors. These annual events spread throughout the county, but are concentrated in cities such as Daytona Beach, Daytona Beach Shores, and Ormond Beach. Civil disturbances during these events could lead to mass casualties, panic, and chaos, straining local emergency response systems.

Private and public properties are at significant risk during civil disturbances. Rioters may engage in vandalism, looting, or arson, causing extensive damage. The financial toll of such actions can reach hundreds of thousands of dollars, disrupting businesses, displacing residents, and burdening local governments with costly repairs. Florida's history includes seven major riots, such as the 1980 and 1982 Miami riots and the 1996 St. Petersburg riots, which highlight the potential for widespread property destruction.

The environment may experience moderate consequences from civil disturbances. Fires resulting from arson can release toxic gases, fumes, and fluids into the air, soil, and water, posing risks to human health and local ecosystems. Additionally, burned vehicles and structures can leave behind hazardous debris that require specialized cleanup and disposal efforts.

Volusia County's program operations are not expected to be significantly disrupted by a civil disturbance. The Volusia County Emergency Operations Center (VCEOC) is a secure facility, designed to maintain continuity of operations even during extreme events. In the event of a large-scale disturbance, mutual aid agreements with neighboring counties can provide additional resources to manage the situation.

Responders face unique challenges during civil disturbances. They must navigate highly volatile situations where they may be targeted by individuals instigating violence. The risk of injury or death is real, requiring responders to exercise extreme caution and rely on specialized training to de-escalate tensions while ensuring public safety.

The impact of civil disturbances on property and infrastructure can be substantial. Homes, businesses, and critical facilities, such as government buildings and transportation hubs, may be damaged or destroyed. Streets may become blocked or impassable, complicating response efforts and further exacerbating the situation.

The economic fallout from a civil disturbance can be severe. Damaged homes and businesses require costly repairs, and disruptions to local commerce may reduce tax revenue. If civil disturbances occur during major tourist events, the county's reputation as a safe destination may suffer, deterring future visitors and negatively impacting the local economy. Businesses reliant on tourism could face prolonged downturns, compounding financial losses.

Public confidence in government can be adversely affected by civil disturbance, particularly if the response is perceived as slow or inadequate. Effective and timely action by law enforcement and emergency management is critical to maintaining trust. Volusia County must demonstrate its capacity to manage such events to reassure residents and visitors that their safety is a priority.

Civil disturbances pose a range of risks, from direct harm to individuals and property to broader economic and social consequences. By leveraging secure facilities like the Volusia County Emergency Operations Center, mutual aid agreements, and specialized training for responders, Volusia County is prepared to address these challenges. Proactive communication and decisive action during a disturbance are essential to mitigating impacts and maintaining public trust.

## 6.17 MASS MIGRATION

### Vulnerability

The overall vulnerability of mass migration in Volusia County and its jurisdictions is low. While lack of affordable housing and community resources could be a concern with mass migration, due to the low probability and lack of physical impacts, Volusia County is not very vulnerable to this hazard. While it is possible people migrating to the county may choose a more urban area to move to such as Daytona Beach, each jurisdiction is equally vulnerable to this possibility.

### Impacts

The citizens of Volusia County face minimal direct risk from a mass migration event. However, an influx of migrants, whether due to political upheaval, natural disasters, or humanitarian crises in neighboring regions or countries, could present logistical and social challenges. The likelihood of such an event remains low, but the county must remain prepared to manage a sudden increase in population to ensure the safety and well-being of all residents, including the migrants themselves.

Property within Volusia County would not be directly at risk from a mass migration event. Migrants arriving in the county are unlikely to cause physical damage to homes, businesses, or infrastructure. However, depending on the scale of the event, temporary facilities such as shelters, processing centers, or housing accommodations may need to be established, potentially requiring the repurposing of public spaces or other properties. Additionally, there may be a strain on available affordable housing, spiking up rent prices for existing residents.

The environment would experience minimal impact from a mass migration event. Temporary facilities and increased resource use may place localized stress on certain systems, such as water and waste management, but these effects would likely be short-term and manageable with proper planning and resources. Environmental risks could be mitigated through coordinated efforts to ensure that shelter locations and services are established in environmentally sustainable ways.

Programming operations within the county would also experience minimal disruption. Volusia County Emergency Management Department and other relevant agencies have contingency plans in place to address scenarios involving a sudden population influx. Should the situation exceed local resources, mutual aid agreements with adjacent counties and support from state and federal agencies would ensure that operations continue with minimal interruption.

The public is unlikely to experience significant, direct consequences from a mass migration event, though there may be concerns or perceptions about how the government is managing the situation. With effective communication and transparent planning, the direct impacts on the daily lives of Volusia County residents would remain minimal.

Responding to the event would play a critical role in managing a mass migration event. Law enforcement, public health, and emergency management personnel would be responsible for organizing, processing, screening, and housing the migrant population. Although the physical and mental demands on responders may increase during such an event, their training and preparedness would help ensure the situation is managed effectively and humanely.

The county's economy is unlikely to be significantly impacted by a mass migration event. Migrants are typically transient and may not remain in the county for an extended period. Temporary costs associated with shelter, food, and medical services would likely be covered by state or federal aid. Long-term economic impacts would depend on whether migrants integrate into the local population and contribute to the economy or if the county becomes a hub for repeated migration events.

Public confidence in government could be affected by a mass migration event, particularly if the public perceives that the government is unprepared or inefficient in managing the situation. Delays in organizing processing, screening, or housing for migrants could lead to frustration among residents. To mitigate these risks, Volusia County would need to maintain open and consistent communication with the public, emphasizing its plans and progress in addressing the situation and ensuring that public safety and order are upheld.

Continuity of operations for the county government would not be significantly impacted by a mass migration event. In a larger-scale scenario, mutual aid from surrounding counties, as well as state and federal resources, would provide additional support. The Volusia County Emergency Operations Center would coordinate these efforts to ensure that essential services continue without interruption.

Overall, the consequences of a mass migration event for property, facilities, and infrastructure in Volusia County would be minimal. Temporary strains on resources and systems may occur, but with proper planning and coordination, these challenges would be manageable. The county's proactive approach to emergency management ensures that any potential impacts from a mass migration event are addressed efficiently and effectively, preserving the safety and well-being of all individuals in the community.

## 6.18 TERRORISM

### Vulnerability

Terrorism remains a persistent and evolving threat, with a wide array of potential impacts ranging from physical destruction and loss of life to disruptions of critical services and public confidence. In Volusia County, these risks are particularly relevant due to its high-profile events, significant agricultural sector, and increasing reliance on digital infrastructure. This assessment examines the vulnerabilities and consequences of various forms of terrorism, including agroterrorism, cyber terrorism, and conventional attacks.

Overall vulnerability to a terrorist attack is moderate within Volusia County and its jurisdictions. Human and property impacts could be severe and widespread depending on the nature of the attack. Because terrorist attacks can take many forms and include many types of weapons, it is difficult to reduce the county's overall vulnerability to these incidents. First response agencies attempt to reduce vulnerability through prevention tactics and intelligence sharing. No jurisdiction in Volusia County is more vulnerable to attack than another.

### Impacts

The public faces significant risks in the event of a terrorist attack. Volusia County is home to numerous mass gatherings, such as NASCAR events at Daytona International Speedway, which attract over 100,000 spectators, as well as Bike Week and Biketoberfest, which draw an estimated 500,000 participants annually. These events represent potential targets for terrorism due to their large crowds and national visibility.

The consequences of an attack at such an event could include:

- Serious injuries and fatalities.
- Long-term psychological impacts, including post-traumatic stress disorder (PTSD) and heightened public anxiety about future events.
- Economic impacts due to decreased attendance at events and diminished tourism.

Agroterrorism presents another unique threat to public health. Contamination of agricultural products could introduce pathogens into the food supply, leading to widespread illness and potential fatalities. Such an event would not only harm individuals directly but could also undermine trust in food safety systems.

Property, facilities, and infrastructure are all at risk in a terrorist event. A physical attack involving explosives, arson, or a dirty bomb could result in:

- Extensive damage to buildings and critical infrastructure, including transportation networks, energy facilities, and communication systems.
- Severe financial losses for private businesses and public institutions.
- Long-term closures of impacted facilities, potentially disrupting essential services.

In agroterrorism scenarios, farms and processing facilities could suffer catastrophic losses if disease-causing agents spread among crops or livestock. The costs of containment, eradication, and recovery could be significant, particularly for Volusia County's $781 million agricultural industry.

The environment could suffer both immediate and long-term damage depending on the type of terrorist event:

- **Dirty Bombs and Explosions**: Contamination of air, soil, and water with hazardous materials could render areas uninhabitable for years, requiring costly cleanup efforts.
- **Arson and Large-Scale Fires**: Toxic smoke and fumes could impact air quality, while firefighting runoff could contaminate waterways.
- **Agroterrorism**: Introduction of pathogens or chemicals into agricultural systems could damage ecosystems and potentially spread beyond the initial target area.

Terrorism can severely impact the economy in several ways:

- **Tourism Declines**: Volusia County relies heavily on tourism revenue, particularly from its internationally recognized events. A major attack would likely deter visitors, leading to substantial financial losses for local businesses.
- **Agricultural Losses**: Agroterrorism could devastate the local economy by damaging crops and livestock, disrupting supply chains, and necessitating extensive containment measures.
- **Cyber Terrorism**: If key industries, such as banking, utilities, or retail, were targeted, there could be cascading economic effects due to loss of revenue and reduced consumer confidence.

Cyber terrorism involves the use of digital means to disrupt critical infrastructure, steal sensitive information, or sow chaos. Potential impacts on Volusia County include:

- **Public Impacts**: Extended power outages could lead to food spoilage, loss of refrigeration-dependent medication, and disruptions to life-saving medical devices like oxygen concentrators.
- **Economic Impacts**: Businesses relying on e-commerce or digital payment systems could face significant losses. Additionally, interruptions to public services, such as water or electricity, could result in substantial recovery costs.
- **Public Confidence**: Cyber terrorism targeting essential systems (e.g., water treatment, healthcare, or emergency communication networks) could erode trust in government, particularly if recovery efforts are perceived as slow or ineffective.

While cyber terrorism typically does not cause direct harm to the environment, indirect consequences—such as industrial accidents triggered by compromised control systems—remain a concern.

Public confidence in government could be significantly impacted by any form of terrorism. Perceptions of inadequate preparation, delayed response, or insufficient recovery efforts can erode trust in public institutions. This risk is particularly pronounced in:

- Large-scale attacks, such as those involving mass casualties or significant property damage.
- Agroterrorism incidents that highlight vulnerabilities in the food supply chain.
- Cyber terrorism events that disrupt daily life and expose weaknesses in critical infrastructure.

A proactive and transparent public affairs strategy is essential to maintaining confidence during and after a terrorist event. Efforts should focus on clear communication, visible leadership, and timely updates on response and recovery efforts.

Responders face heightened risks in terrorist events. Physical attacks may involve secondary explosive devices or hazardous conditions, while agroterrorism and cyber terrorism may expose responders to novel threats, such as contaminated materials or compromised communication systems. Ensuring responder safety requires:

- Access to specialized training and equipment.
- Clear protocols for identifying and mitigating risks in dynamic and dangerous environments.
- Coordination with mutual aid partners and state-level resources.

Continuity of operations for Volusia County is generally robust due to the secure design of the Volusia County Emergency Operations Center. However, certain scenarios could present challenges:

- **Direct Attack on VCEOC**: Although unlikely, a direct attack could necessitate a temporary relocation to the alternate EOC.
- **Cyber Terrorism**: Disruptions to digital systems could temporarily affect access to information or communication channels. However, redundancies and mutual aid agreements are in place to minimize these effects.

Terrorism represents a complex and multifaceted threat to Volusia County, with the potential to impact public safety, property, the environment, and the economy. While the likelihood of an event is difficult to predict, ongoing investments in preparedness, training, and public awareness are essential for mitigating risks and ensuring resilience. Whether facing agroterrorism, cyber terrorism, or a conventional attack, Volusia County is committed to protecting its residents, preserving its resources, and maintaining public trust.

## 6.19 COASTAL OIL SPILL

### Vulnerability

A coastal oil spill could significantly impact public health, particularly for individuals with pre-existing respiratory conditions. Exposure to fumes and airborne contaminants near the coastline may exacerbate these issues, prompting the Volusia County Health Department and Environmental Management to closely monitor air, water, sediment, and waste generated during cleanup operations. Although these efforts would mitigate health risks to the public, some localized impacts are inevitable for those in proximity to the affected areas. The most vulnerable areas are along major waterways that support transport ships, such as Ormond Beach, Holly Hill, Daytona Beach Shoes, Ponce Inlet, and New Smyrna Beach.

### Impacts

While property is not typically at direct risk from an oil spill, contamination of docks, boats, and other coastal facilities is possible if the spill enters waterways such as the Ponce de Leon Inlet. This could require extensive cleaning and decontamination efforts to restore usability and prevent further environmental harm.

The environment, however, faces the greatest risk in the event of a coastal oil spill. Sensitive ecosystems, including turtle nesting sites, estuaries, and nearshore marine habitats, could suffer long-lasting damage. Sand and sediment along the beaches would be heavily contaminated, requiring labor-intensive cleanup and rehabilitation to restore the natural environment. The ecological consequences of an oil spill could linger for years, disrupting the delicate balance of marine and coastal ecosystems.

Although program applications within the county are not likely to be adversely affected by a coastal oil spill, responders tasked with addressing the spill face considerable challenges. The use of personal protective equipment (PPE) is essential to prevent exposure to hazardous materials, and the physically demanding nature of cleanup operations adds an additional layer of complexity. Coordination between local, state, and federal agencies will be critical to ensure the safety and effectiveness of the response effort.

Continuity of operations within Volusia County would remain largely intact, as the spill's direct effects are unlikely to extend beyond the immediate coastal zone. However, economic and social disruptions could strain government resources and necessitate long-term recovery planning. The economic ramifications of a coastal oil spill would be severe. Tourism—a cornerstone of Volusia County's economy—would likely grind to a halt as visitors avoid beaches perceived to be contaminated. The charter fishing industry, another vital economic sector, would be devastated as fish stocks and marine habitats are impacted. Many businesses along the coastline may face permanent closure due to prolonged loss of revenue, and the county's tax base could shrink significantly, compounding the financial strain on recovery efforts.

Public confidence in government would also be tested during a coastal oil spill event. The protracted nature of cleanup and environmental restoration, which could take months or even years, would likely frustrate residents and stakeholders. Effective communication from the Volusia County Public Information Office (PIO) would be essential to maintaining public trust. By providing consistent updates and demonstrating transparent collaboration between government agencies and private industry, officials could reassure the public that every effort is being made to address the spill and restore the county's natural and economic resources.

In conclusion, while a coastal oil spill may have minimal immediate effects on most residents and infrastructure, the long-term environmental, economic, and public confidence impacts could be profound. Preparing for such an event through detailed planning, interagency coordination, and robust public communication strategies will be vital to mitigating its consequences.

## 6.20 CRITICAL INFRASTRUCTURE FAILURE

### Vulnerability

Critical infrastructure failure refers to the disruption of essential services such as drinking water, stormwater and wastewater systems, electric power, transportation, supply chains for food and fuel, and communication networks. These systems are vital to maintaining public health, safety, and economic stability. Failures in these systems are often caused by cascading emergencies like natural disasters, such as hurricanes or floods, or man-made events, including terrorism and cyberattacks. In urbanized areas of Volusia County, where the population is highly dependent on these systems, disruptions have the potential to affect more than half of the population, with the most severe cases resulting in widespread county-wide impacts. Those most vulnerable are Deltona, Port Orange, Daytona Beach, and Ormond Beach. The risks are further exacerbated by climate change, which is increasing the frequency and intensity of extreme weather events.

The overall vulnerability of Volusia County and its jurisdictions to critical infrastructure disruption is medium. Because critical infrastructure failure can be caused by many different forces, it is one of the hazards with the highest vulnerability. Severe weather, tropical cyclones, tornadoes, and geomagnetic storms are just some examples of harmful incidents that may cause a disruption.

The power grid is among the most critical and vulnerable pieces of infrastructure in Volusia County. Utility substations and transmission lines near coastal and urban areas, such as Daytona Beach, Deltona, and Ormond Beach, are particularly at risk. High winds and storm surges associated with hurricanes can lead to widespread power outages, while aging infrastructure is susceptible to overheating during peak demand periods in the hot summer months. Water and wastewater systems are similarly vulnerable, particularly those located in flood-prone areas like the St. Johns River Basin. Flooding from severe storms can disrupt water treatment operations, resulting in water contamination or sewage overflows. Rising sea levels pose a long-term threat to coastal water facilities.

### Impacts

Transportation systems in Volusia County are also at significant risk. Major highways like I-95 and I-4, along with bridges, railroads, and the Daytona Beach International Airport, could be disrupted by extreme weather events such as high winds and flooding. Proximity to water systems, including the Halifax River, Indian River Lagoon, Mosquito Lagoon, and the Intracoastal Waterway, increases the vulnerability of transportation infrastructure to storm surges. Similarly, communication networks, including cellular towers, fiber optic lines, and data centers in urban hubs, are susceptible to physical damage from hurricanes and flooding, as well as cyberattacks.

Environmental impacts from critical infrastructure failures can be severe. Disruptions to wastewater facilities may result in untreated sewage spills, contaminating rivers, lakes, and coastal waterways, which can harm aquatic ecosystems and degrade water quality. Stormwater management systems may also fail during prolonged power outages, leading to localized flooding and habitat destruction. Additionally, increased reliance on backup generators during power outages can contribute to air pollution.

The economic consequences of critical infrastructure failures are significant. Prolonged outages can result in the closure of businesses, disrupt tourism, and interrupt supply chains, with Daytona Beach's event-driven economy particularly susceptible. Repairing damaged infrastructure can cost millions, placing a

strain on local budgets. Furthermore, frequent failures may lead to increased insurance premiums for businesses and residents alike.

Social impacts are equally concerning. Interruptions in water treatment can lead to the spread of waterborne diseases, while power outages during extreme heat can exacerbate heat-related illnesses. Transportation failures may isolate communities, preventing access to essential services such as medical care. Vulnerable populations, including the elderly, disabled, and low-income residents, are disproportionately affected by such disruptions, further exacerbating existing social inequities.

Emergency managers and first responders face significant challenges during critical infrastructure failures. Damage to roadways and communication systems can delay response times and hinder coordination efforts. Prolonged failures often require an extended deployment of resources, potentially overloading emergency services. Responders are also at risk of exposure to hazardous environments, such as contaminated water and extreme heat, while working to restore infrastructure and assist affected residents. Community outreach efforts are essential to educate residents about emergency preparedness and available resources, thereby enhancing overall resilience to infrastructure failures.

## 6.21 HAZMAT / INDUSTRIAL INCIDENT

### Vulnerability

The citizens of Volusia County face daily risks from hazardous materials (HAZMAT) due to the presence of both fixed and mobile sources. These include industrial facilities, railroads, highways, and even potential intentional uses such as terrorism. With two major interstate highways, two significant rivers, and two railroads running through the county, HAZMAT incidents are a constant possibility. While most of these involve minor petroleum spills or sewage discharges, the potential exists for far more severe events. Overall vulnerability of hazardous materials incidents is low in Volusia County and its jurisdictions. Citizens may encounter risks from hazardous materials at schools, in their homes, on roadways, through their food supply, or at public venues such as stadiums and other large gathering spaces. While the spatial extent of these incidents would likely be low, the impact on humans could be substantial. The consequences of a hazardous material incident could range from illness and injury to death, with the most severe incidents—such as radiological releases or large-scale explosions—possibly leading to the displacement of residents for extended periods until cleanup is complete. Having major bodies of water such as Tomoka River, Halifax River, Indian River Lagoon, Mosquito Lagoon, and the St. Johns River also leaves room for vulnerability because some hazardous materials may be spread through the waterways.

Property in Volusia County is highly vulnerable to hazardous materials incidents. Chemical spills, explosions, or acts of bioterrorism could devastate individual homes, businesses, and critical infrastructure. Structural damage from explosions or corrosive chemical exposure can leave properties uninhabitable or in need of significant repair. Hazardous materials may also erode or corrode infrastructure such as roads, bridges, and pipelines, further compounding recovery challenges. Even in less catastrophic cases, incidents such as traffic accidents involving hazardous materials can result in destruction of vehicles, roadways, and signage.

### Impacts

The environment is particularly susceptible to the harmful effects of hazardous materials, whether the release is accidental, intentional, or natural. These materials can rapidly spread through air, water, and the food supply, contaminating ecosystems and threatening both human and wildlife populations. Sensitive habitats, such as wetlands and coastal areas, could be irreparably damaged. Cleanup efforts can take days, weeks, months, or even years, and in some cases, environmental recovery may never fully restore the original ecosystem balance.

While the Volusia County Emergency Operations Center itself is not located near major hazardous materials facilities, its operations could be impacted in extreme cases. For instance, in the event of significant structural damage or service disruptions, staff may need to relocate to its alternate site as outlined in the Volusia County Emergency Management Department COOP. Despite these risks, the county's environmental management teams, in coordination with Fire Services HAZMAT units, are prepared to respond to large-scale incidents.

Volusia County has a HazMat team available to respond. Responders are at the forefront of mitigating the impacts of HAZMAT incidents. Specialized teams, including HAZMAT, Radiological Material (RMAT), and Explosive Ordnance Disposal (EOD) units, are trained and equipped to manage these complex situations. Protective gear and specialized equipment are vital to ensure their safety as they identify hazardous materials, mitigate risks, and oversee cleanup efforts. Despite their training, responders remain at risk due

to the unpredictable nature of these incidents and the potential for secondary hazards such as fires or explosions.

The economic consequences of a HAZMAT incident in Volusia County could vary widely depending on the scale of the event. While smaller incidents may disrupt transportation or local industries temporarily, larger events—such as a chemical facility disaster or a radiological release—could result in long-term economic strain. The BP oil spill in 2011, which cost approximately $40 billion to address, serves as an extreme example of the potential financial toll of such events. Even less catastrophic incidents can lead to costly disruptions if key transportation routes or industries are forced to shut down.

Public confidence in the local government may also be tested by a HAZMAT incident. Smaller, localized events are unlikely to affect the public's trust, as these are relatively common and manageable occurrences. However, a large-scale chemical or radiological release, or an incident involving terrorism, could erode public confidence in the government's ability to protect its citizens. In such cases, the Volusia County leadership must prepare to launch a robust public information campaign through its website and social media channels, ensuring transparent communication and providing timely updates on the response and recovery efforts.

In conclusion, while Volusia County is prepared to handle the frequent minor HAZMAT incidents that occur, the potential for a large-scale event remains a significant concern. Proactive planning, coordinated response efforts, and clear communication are essential to mitigating the risks and consequences of hazardous materials incidents on the public, property, environment, and economy.

## 6.18 CONCLUSIONS ON HAZARD VULNERABILITY

Volusia County is vulnerable to a wide array of hazards spanning natural, manmade, and technological categories, each presenting unique risks and requiring tailored mitigation and preparedness strategies. Assessing vulnerabilities across these diverse hazards is essential to building a safer, more resilient community.

- **Improved Understanding for All Hazards:**
  Analyzing vulnerabilities provides a clearer picture of who and what is at risk for each hazard type. For example:
  - **Natural Hazards:** Understanding flood-prone areas and vulnerable coastal regions allows for targeted mitigation like enhanced stormwater management, improved floodplain regulations, and strengthened coastal infrastructure. Similarly, identifying populations at risk from extreme temperatures or public health emergencies helps tailor outreach and response efforts.
  - **Manmade Hazards:** Civil disturbances, mass migration, and terrorism require assessments of social dynamics, key facilities, and potential response bottlenecks. For example, mapping critical facilities and public spaces allows emergency managers to better plan for security, evacuation, and resource allocation.
  - **Technological Hazards:** Evaluating risks from coastal oil spills, hazardous materials incidents, and industrial accidents ensures that high-risk areas, particularly those near industrial zones or transportation corridors, are prioritized for safety inspections and emergency planning.

By improving understanding across these hazard categories, Volusia County can enhance risk awareness among stakeholders and better align resources to the most pressing needs.

- **Baseline for Policy Development and Strategic Planning:**
  A comprehensive vulnerability assessment serves as the foundation for creating effective policies and mitigation plans. For instance:
  - For **rising coastal waters and coastal erosion**, the assessment may inform zoning policies that restrict development in highly vulnerable areas or incentivize green infrastructure solutions to stabilize shorelines.
  - For **drought and agriculture**, policies that promote sustainable water use and crop diversification can be informed by understanding long-term climate trends and agricultural vulnerabilities.
  - For **technological hazards**, findings can influence regulations to enhance safety standards for industrial facilities or mandate periodic safety drills for oil transport and hazardous materials handling.

These informed policies can reduce risks, improve land-use decisions, and foster greater resilience in the face of evolving threats.

- **Risk Comparison for Balanced Mitigation Efforts:**
  Assessing vulnerabilities across all hazard types enables the county to compare risks and prioritize mitigation measures. For example:

- Coastal and flood-prone areas might see investments in seawalls or elevating infrastructure, while inland areas might benefit from improved wildfire prevention strategies and drought-resistant infrastructure.
- **Public health emergencies**, such as pandemics, might require investments in healthcare infrastructure, while terrorism or civil disturbance risks may necessitate enhanced security measures and community engagement initiatives.

This comparative approach ensures that resources are allocated equitably and effectively, allowing the county to address both high-impact, high-frequency hazards like severe weather and tropical cyclones, as well as lower-probability but potentially devastating events like terrorism or industrial incidents.

- **Enhancing Emergency Management Capabilities:**
  Vulnerability assessments also identify gaps in current capabilities, enabling targeted improvements. For example:
  - Understanding response times and challenges in rural areas supports enhancements in wildland fire management and tornado response strategies.
  - Identifying critical infrastructure at risk of failure ensures redundancy and continuity planning for essential services.
  - Highlighting social vulnerabilities, such as lower-income or elderly populations, support targeted outreach, evacuation planning, and sheltering options.

By strengthening emergency management capabilities, Volusia County can reduce disaster impacts, speed recovery, and build public confidence in its resilience strategies.

In summary, assessing vulnerabilities across Volusia County's full hazard profile is a cornerstone of effective disaster mitigation. It provides clarity on risks, informs strategic policy development, and supports equitable resource allocation. These efforts are critical to ensure the county's ability to withstand, adapt to, and recover from a wide range of threats, safeguarding the well-being of its residents and the environment.

# SECTION 7 – CAPABILITY ASSESSMENT

This section of the Plan discusses the capability of Volusia County and the participating municipal jurisdictions to implement hazard mitigation activities. It consists of the following four subsections:

- **What is a Capability Assessment?**
- **Conducting the Capability Assessment**
- **Capability Assessment Findings**
- **Public Capability Assessment**
- **Existing County-Wide Efforts**
- **Conclusions of the Capability Assessment**

## 7.1 WHAT IS A CAPABILITY ASSESSMENT?

The purpose of conducting a capability assessment is to determine the ability of a local jurisdiction to implement a comprehensive mitigation strategy, and to identify potential opportunities for establishing or enhancing specific mitigation policies, programs or projects.[1] As in any planning process, it is important to try to establish which goals, objectives and/or actions are feasible, based on an understanding of the organizational capacity of those agencies or departments tasked with their implementation. A capability assessment helps to determine which mitigation actions are practical and likely to be implemented over time, given the local government's planning and regulatory framework. This capability assessment also highlights the positive mitigation measures already in place, or being implemented at the local government level, which should continue to be supported and enhanced through future mitigation efforts.

The capability assessment completed for Volusia County and its jurisdictions serves as a critical planning step and an integral part of the foundation for designing an effective multi-jurisdictional hazard mitigation strategy. The *Capability Assessment* helps identify and target meaningful mitigation actions for incorporation in the *Mitigation Strategy* portion of the Hazard Mitigation Plan. It helps establish the goals and objectives for the Volusia County Region to pursue under this Plan and ensures that those goals and objectives are realistically achievable under given local conditions.

## 7.2 CONDUCTING THE CAPABILITY ASSESSMENT

In order to facilitate the inventory and analysis of local government capabilities throughout Volusia County, a detailed *Capability Assessment Survey*[2] was distributed to Volusia County staff and to staff from participating local municipal jurisdictions. The survey questionnaire, which was completed by applicable local government officials, requested information on a variety of "capability indicators" such as existing

[1] While the Interim Final Rule for implementing the Disaster Mitigation Act of 2000 does not require a local capability assessment to be completed for local hazard mitigation plans, it is a critical step to develop a mitigation strategy that meets the needs of each jurisdiction while taking into account their own unique abilities. The Rule does state that a community's mitigation strategy should be "based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools" (44 CFR, Part 201.6(c)(3)).

[2] The *Capability Assessment Survey* instrument used to assess county and municipal capabilities is available through Volusia County upon request.

local plans, policies, programs or ordinances that contribute to and/or hinder the community's ability to implement hazard mitigation actions.

At a minimum these survey results provide an inventory of existing local plans, ordinances, programs and resources in place or under development in addition to their overall effect on hazard loss reduction. The survey instrument thereby not only helps accurately assess each jurisdiction's degree of local capability, but also serves as a good source of introspection for those jurisdictions wishing to improve their capability. The identification of opportunities and specific actions to be proposed as part of the community's mitigation strategy often develops as an outcome of completing a capability assessment.

## 7.3 CAPABILITY ASSESSMENT FINDINGS

The findings of the capability assessment are summarized in this Plan to provide insight into the capacity of Volusia County and the participating jurisdictions to implement hazard mitigation activities. All information is based upon the responses provided by local government officials to the *Capability Assessment Survey*.

### 7.3.1 Planning and Regulatory Capability

Planning and regulatory capability is based on the implementation of plans, ordinances and programs that demonstrate a local jurisdiction's commitment to guiding and managing growth, development and redevelopment in a responsible manner while maintaining the general welfare of the community. It includes emergency response and mitigation planning, comprehensive land use planning and transportation planning in addition to the enforcement of zoning or subdivision ordinances and building codes that regulate how land is developed, and structures are built, as well as protecting environmental, historic and cultural resources in the community. Although some conflicts can arise, these planning initiatives generally present significant opportunities to integrate hazard mitigation principles and practices into the local decision-making process.

This assessment is designed to provide a general overview of the key planning and regulatory tools or programs in place or under development for Volusia County and the participating jurisdictions, along with their potential effect on loss reduction. This information will help identify opportunities to address existing gaps, weaknesses or conflicts with other initiatives in addition to integrating the implementation of this Plan with existing planning mechanisms, where appropriate.

**Section 7: Table 1** provides a summary of the relevant local plans, ordinances and programs already in place or under development for Volusia County and the participating jurisdictions. An (x) mark indicates that the given item is currently in place and being implemented by the local jurisdiction, or that it is currently being developed for future implementation. A more detailed discussion on each jurisdiction's planning and regulatory capability follows, along with the incorporation of additional information based on the narrative comments provided by local officials in response to the survey questionnaire.

Following the inventory of local plans, programs and policies is a description of each element upon which the local jurisdiction's capability score was based.

## SECTION 7: CAPABILITY ASSESSMENT

**Section 7: Table 1: Relevant Plans, Ordinances and Programs**

| Jurisdiction | Local Mitigation Strategy | Comprehensive Land Use Plan | Floodplain Management Plan* | Open Space Management Plan | Stormwater Management Plan | Natural Resource Protection Plan | Flood Response Plan | Emergency Operations Plan | Continuity of Operations Plan | Evacuation Plan | Disaster Recovery Plan | Economic Development Plan | Historic Preservation Plan | Floodplain Ordinance (or Flood Damage Prevention Ordinance) | Zoning Ordinance | Subdivision Ordinance | Unified Development Ordinance | Post-disaster Redevelopment /Reconstruction Ordinance | Building Code Effectiveness Grading Schedule (BCEGS) | Fire Code | National Flood Insurance Program | NFIP Community Rating System | Vulnerability Assessment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daytona Beach | X | X | X | | X | | X | X | | X | X | X | X | X | X | X | X | X | | X | X | X | X |
| Daytona Beach Shores | X | X | X | | X | | | X | | | | | | X | X | | | | X | X | X | X | X |
| DeBary | X | X | X | X | X | X | X | X | X | | X | X | | X | X | X | | | | X | X | | |
| DeLand | X | X | X | | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| Deltona | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | X | | | X | X | | |
| Edgewater | X | X | X | | X | | X | X | | X | | X | | X | X | | | | | X | X | X | |
| Holly Hill | X | X | X | | X | X | | X | X | X | X | X | | X | X | X | X | | | X | X | X | X |
| Lake Helen | X | X | X | | X | X | | X | | X | | | | X | X | X | X | | | X | X | | |
| New Smyrna Beach | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | X | X | X | X | |
| Oak Hill | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Orange City | X | X | X | X | X | X | | X | X | | | | X | X | X | X | | | | X | X | | X |
| Ormond Beach | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Pierson | X | X | X | | | | | X | | X | | | | X | X | X | | | | X | X | | |
| Ponce Inlet | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | | | | X | X | X | X | X |
| Port Orange | X | X | X | | X | | | X | X | X | | X | | X | X | X | X | | X | X | X | X | |
| South Daytona | X | X | X | X | X | X | X | X | X | X | X | | | X | X | X | | | X | X | X | X | X |
| Volusia County | X | X | X | | | X | X | X | X | X | X | X | X | X | X | X | | | | X | X | X | X |

# SECTION 7: CAPABILITY ASSESSMENT

The project team at the East Central Florida Regional Planning Council developed the Local Mitigation Strategy with numerous resources, including existing plans, technical information and mapping software.

ESRI ArcGIS software and HAZUS was used to develop vulnerability profiles for the hazards covered throughout this report. Data collection by the project team included municipal critical facilities, stormwater facilities and lift/pump stations, as well as parcel data collected from the Volusia County Property Appraiser. Numerous GIS files were also downloaded from Volusia County I.T. for consideration, research, and use.

Technical plans were also reviewed for consistency with the Local Mitigation Strategy. This primarily included the county's Integrated Floodplain Management Plan, which was reviewed and updated alongside the 2025 LMS. The data collection, data analysis and risk profile methodologies used for the Local Mitigation Strategy and the Floodplain Management Plan are identical. The additional plans listed on the previous page **Section 7: Table 1: Relevant Plans, Ordinances and Programs**, including the Volusia County Continuation of Operations Plan and others, were also reviewed as made available.

Technical information was collected primarily from the Volusia County Emergency Management Department and the National Climatic Data Center, which compiles countywide reports on past hazard events, estimated losses, and other critical information for tracking the County's vulnerabilities.

## 7.3.2 Emergency Management

Hazard mitigation is widely recognized as one of the four primary phases of emergency management. Other phases include preparedness, response and recovery. Each phase is interconnected with hazard mitigation as **Section 7: Figure 1** suggests. Planning for each phase is a critical part of a comprehensive emergency management program and a key to the successful implementation of hazard mitigation actions. As a result, the *Capability Assessment Survey* asked several questions regarding emergency management plans in order to assess the jurisdiction's willingness to plan and their level of technical planning proficiency.

**Section 7: Figure 1: The Phases of Emergency Management**




***Local Mitigation Strategy (LMS)***: Also called a hazard mitigation plan, the local mitigation strategy represents a community's blueprint for how it intends to reduce the impact of natural and human-caused hazards on people and the built environment. The essential elements of a local mitigation strategy include a risk assessment, capability assessment, mitigation strategy and the mitigation projects list.

- Volusia County and its jurisdictions developed the first version of their local mitigation strategy in 1999 (adopted 2000) and updated the plan in 2009, 2014, and 2019. The plan is currently undergoing a revision that will be completed in January 2025.

***Disaster Recovery Plan***: A disaster recovery plan serves to guide the physical, social, environmental and economic recovery and reconstruction process following a disaster. In many instances, hazard mitigation principles and practices are incorporated into local disaster recovery plans with the intent of capitalizing on opportunities to break the cycle of repetitive disaster losses.

- A potential mitigation action that should be considered is for all participating jurisdictions to develop their own disaster recovery plan that would incorporate mitigation opportunities into the disaster recovery process.

***Emergency Operations Plan***: An emergency operations plan outlines responsibility and the means by which resources are deployed to respond to an emergency or disaster. Many communities choose to update their emergency operations plan before events occur to better prepare for future disasters. This is an example of hazard mitigation.

- Volusia County Emergency Management maintains the emergency operations plan that also covers their respective jurisdictions. In general, emergency operations planning has been determined to have a moderate effect on loss reduction, as its emphasis focuses on preparedness and response operations rather than hazard mitigation activities.

***Continuity of Operation Plan***: A continuity of operations plan establishes a chain of command line of succession, and plans for backup or alternate emergency response resources in case of an extreme emergency. Developing a continuity of operation plan is an example of hazard mitigation.

- Each of the other jurisdictions is encouraged to consider preparing their own continuity of operations plans as a possible mitigation action for inclusion this Plan.

### 7.3.3 General Planning

The implementation of hazard mitigation activities should involve agencies and individuals beyond the emergency management profession. Other stakeholders may include local planners, public works officials, economic development specialists and others. Because in many instances, concurrent local planning efforts help achieve or complement hazard mitigation goals, even though they are not specifically designed as such, the *Capability Assessment Survey* asked questions regarding each jurisdiction's general planning capabilities and the degree to which hazard mitigation is integrated into other ongoing planning efforts.

***Comprehensive Land Use Plan***: A comprehensive land use plan establishes the overall vision for a community and serves as a guide for future governmental decision making. Typically, a comprehensive plan is comprised of a summary of current and expected demographic conditions, land use, transportation elements and community facilities. Given the broad nature of the plan and its regulatory standing in many communities, the integration of hazard mitigation measures into the comprehensive plan can greatly enhance the likelihood of achieving risk reduction goals, objectives and actions.

- All jurisdictions within the region have a comprehensive land use plan as required by state law.

***Capital Improvements Plan***: A capital improvements plan guides the scheduling of spending for public improvement projects. A capital improvements plan can serve as an important mechanism to guide future development away from identified hazard areas. Limiting public spending in hazardous areas is one of the most effective long-term mitigation actions available to local governments.

- Volusia County has a Capital Improvements Element (CIE) that is part of the Comprehensive Plan. The Capital Improvement Plan should be considered a local funding source for mitigation projects recommended as part of the Local Mitigation Strategy and the implementation of those actions will help to reduce disaster damages.

***Historic Preservation Plan***: A historic preservation plan is intended to preserve historic structures or districts within a community. An often overlooked aspect of the historic preservation plan is the assessment of buildings and sites located in areas subject to natural hazards to include the identification of the most effective way to reduce future damages.[3] This may involve retrofitting or relocation techniques that account for the need to protect buildings that do not meet current building standards or are within a historic district that cannot easily be relocated out of harms way.

***Zoning Ordinances***: Zoning dictates the means by which land use is controlled by a local government. As part of a community's police power, zoning is used to protect the public health, safety and welfare of those within a given jurisdiction. A zoning ordinance is the mechanism through which zoning is implemented. Since zoning regulations enable municipal governments to limit the type and density of development, it can serve as a powerful tool, especially when applied in identified hazard areas.

***Subdivision Ordinances***: A subdivision ordinance is generally intended to regulate the development of housing, commercial and industrial uses, including associated public infrastructure, as land is subdivided into buildable lots for sale or future development. Subdivision design that accounts for natural hazards can dramatically reduce the exposure of future development.[4]

***Building Codes, Permitting and Inspections***: Building Codes regulate construction standards. In many communities' permits must be issued and inspections of work must take place for new construction. Decisions regarding the adoption of building codes (that account for hazard risk), the type of permitting process required both before and after a disaster, and the enforcement of inspection protocols all affect the level of hazard risk faced by a community. All Volusia County jurisdictions have adopted and enforce the Florida Building Code.

The adoption and enforcement of building codes by local jurisdictions is routinely assessed through the Building Code Effectiveness Grading Schedule (BCEGS) program developed by the Insurance Services Office, Inc. (ISO).[5] Under the BCEGS program, ISO assesses the building codes and enforcement of these codes in a particular community, with special emphasis on mitigation of losses from natural hazards. The results of BCEGS assessments are routinely provided to ISO's member private insurance companies, which in turn may offer ratings credits for new buildings constructed in communities with strong BCEGS classifications. The concept behind this is that communities with well-enforced, up-to-date codes should have fewer losses, and insurance rates can reflect that in these communities.

In conducting the assessment ISO collects information related to personnel qualifications and continuing education, as well as the number of inspections performed per day. This type of information, combined with local building codes, is used to determine a grade for that jurisdiction. The grades range from 1 to 10, with the lower grade being more ideal. A BCEGS grade of 1 represents exemplary commitment to building code enforcement, and a grade of 10 indicates less than minimum recognized protection. **Section**

[3] See Protecting the Past from Natural Disasters. 1989. Nelson, Carl. National Trust for Historic Preservation: Washington D.C.
[4] For additional information regarding the use of subdivision regulations in reducing flood hazard risk, see Subdivision Design in Flood Hazard Areas. 1997. Morris, Marya. Planning Advisory Service Report Number 473. American Planning Association: Washington D.C.
[5] Participation in BCEGS is voluntary and may be declined by local governments if they do not wish to have their local building codes evaluated.

**7: Table 3** lists the BCEGS ratings for the jurisdictions within Volusia County that identified their rating to the planning team.

**Section 7: Table 2: BCEGS Ratings in the Region**

| JURISDICTION | BCEGS RESIDENTIAL RATING | BCEGS COMMERCIAL RATING | YEAR LAST RATED |
|---|---|---|---|
| Daytona Beach | NA | 3 | NA |
| Daytona Beach Shores | 3 | 3 | NA |
| Lake Helen | 4 | 4 | 2000 |
| New Smyrna Beach | 4 | 3 | 2023 |
| Ormond Beach | 3 | 3 | 2004 |
| Ponce Inlet | 4 | 3 | NA |
| Port Orange | 4 | 3 | 2020 |
| South Daytona | 3 | 2 | 2021 |

Source: Jurisdictions

## 7.3.4 Floodplain Management and National Flood Insurance Program (NFIP)

Flooding represents the greatest natural hazard facing the nation. At the same time the tools available to reduce the impacts associated with flooding are among the most developed when compared to other hazard-specific mitigation techniques. In addition to approaches that cut across hazards such as education, outreach, and the training of local officials, the *National Flood Insurance Program* (NFIP) contains specific regulatory measures that enable government officials to determine where and how growth occurs relative to flood hazards. Participation in the NFIP is voluntary for local governments; however, program participation is strongly encouraged by FEMA as a first step for implementing and sustaining an effective hazard mitigation program. It is therefore used as part of this assessment as a key indicator for measuring local capability.

In order for a county or municipality to participate in the NFIP they must adopt a local flood damage prevention ordinance which requires jurisdictions to follow established minimum building standards in the floodplain. These standards require that all new buildings and substantial improvements to existing buildings will be protected from damage by a 100-year flood event, and that new development in the floodplain will not exacerbate existing flood problems or increase damage to other properties.

A key service provided by the NFIP is the mapping of identified flood hazard areas. Once completed, the Flood Insurance Rate Maps (FIRMs) are used to assess flood risk, regulate construction practices and set flood insurance rates.[6] FIRMs are an important source of information to educate residents, government officials and the private sector about the likelihood of flooding in their community. The most recent adopted map is shown in **Section 7: Figure 2**.

[6] https://www.volusia.org/services/public-protection/emergency-management/types-of-disasters/floods/flood-maps.stml

The adoption of the NFIP and local flood damage prevention ordinance for each jurisdiction can be found in each land development municipal Code of Ordinances and/or Land Development Code. The following list identifies each participating jurisdiction adoption of NFIP standards:

- Daytona Beach
  - Daytona Beach, FL, Code of Ordinances § 7-4 (2014).
- Daytona Beach Shores
  - Daytona Beach Shores, FL, Code of Ordinances Appendix G, Chapter 10, Article I, Section 10-1 (2013).
- DeBary
  - DeBary, FL, Code of Ordinances Chapter 14, Article II, Division 1, Section 14-33 (2014).
- DeLand
  - DeLand, FL, Code of Ordinances Chapter 11, Article VI, Section 33-61 (2013).
- Deltona
  - Deltona, FL, Code of Ordinances Chapter 90, Article I (2014).
- Edgewater
  - Edgewater, FL, Code of Ordinances Chapter 7, Article I, Section 7 (2014).
- Holly Hill
  - Holly Hill, FL, Code of Ordinances Chapter 94, Article II (2013).
- Lake Helen
  - Lake Helen, FL Code of Ordinances Part I, Article 10 (2021).
- New Smyrna Beach
  - New Smyrna Beach, FL, Part II Code of Ordinances Chapter 26, Article VIII (2014).
- Oak Hill
  - Oak Hill, FL, Code of Ordinances Chapter 24, Article VII (2013).
- Orange City
  - Orange City, FL, Code of Ordinances Chapter 5, Article I, Section 5.2 (2009).
- Ormond Beach
  - Ormond Beach, FL, Land Development Code Chapter 3, Article II, Section 3-20 (2013).
- Pierson
  - Pierson, FL, Code of Ordinances Chapter 9, Article IV, Division 2, Section 9-162 (2014).
- Ponce Inlet
  - Ponce Inlet, FL, Code of Ordinances Part IV, Chapter VI (2017).
- Port Orange
  - Port Orange, FL. Land Development Code Chapter 8, Article I, Section 1 (2014).
- South Daytona
  - South Daytona, FL, Land Development Code Section VII, Section 7.2 (2017).
- Volusia County
  - Volusia County, FL Code of Ordinances Chapter 72, Article III, Division 7 (2013).

Volusia County Government has several mutual aid agreements with public works departments throughout the county, as well as a Memorandum of Understanding (MOU) between Volusia County and all jurisdictions within the county (adopted in 2014). Local municipalities and the county can also apply for assistance on the federal level. The county refers to the Emergency

Management Assistance Compact. The county and many municipalities participate in the CRS (Community Rating System) to lower mitigation costs for residents.

Volusia Prepares is a multi-jurisdictional, public-private partnership that maintains a comprehensive, county-wide local mitigation strategy and acts as the Hazard Mitigation Representative. Other county and municipal agencies perform routine mitigation-related functions, including but not limited to the following:

- Considering hazard mitigation issues in the county's comprehensive plan and land development code.
- Enforcement of the county's flood plain ordinance.
- Issuance of building permits and enforcing building codes.
- Conducting fire inspections.
- Conducting public information and education programs related to hazard mitigation.

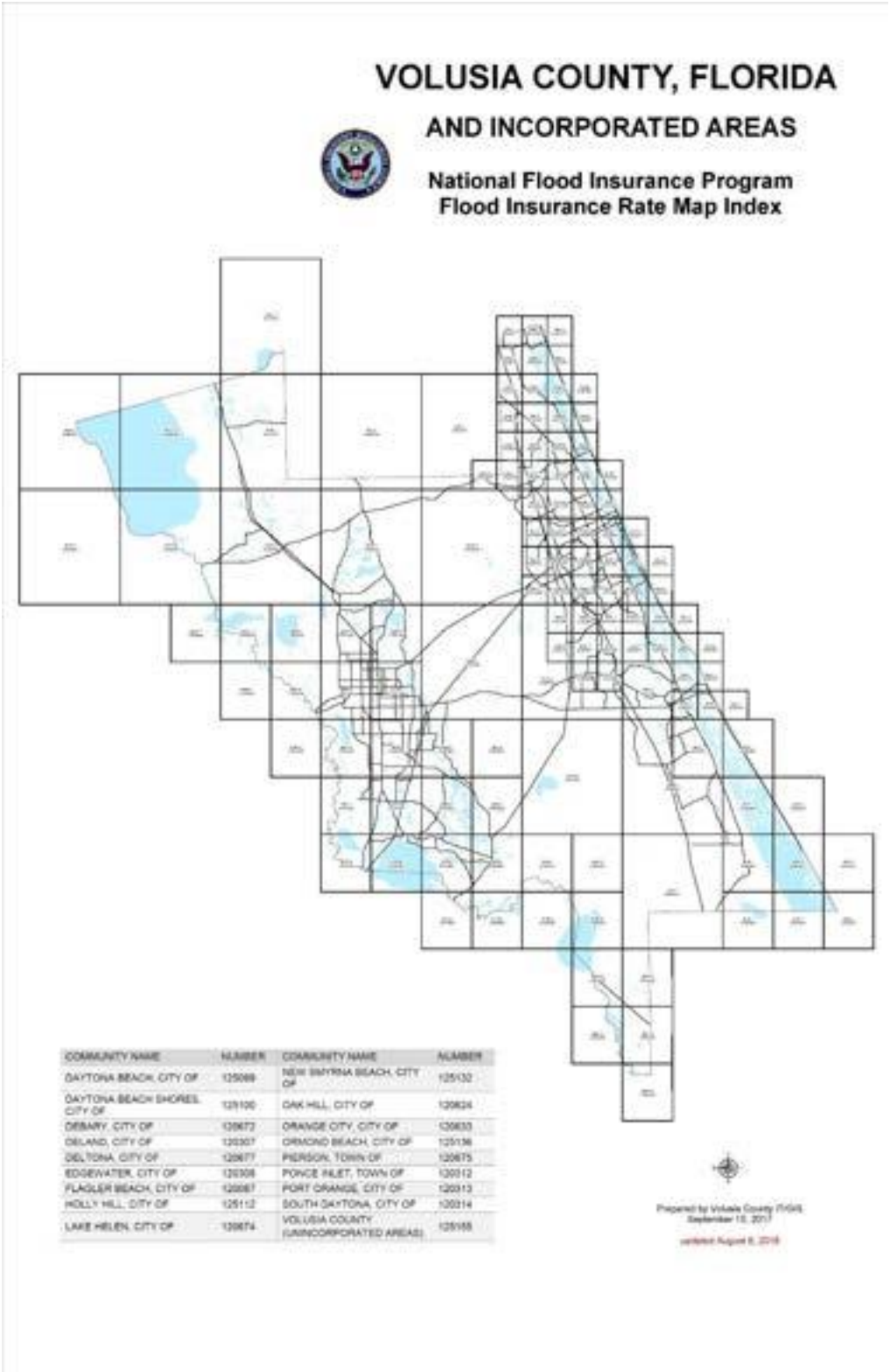
In the post-disaster time frame, the Planning Committee may be requested by the Chair of the Steering Committee to form one or more teams to identify the mitigation opportunities and needs highlighted by the experience with the event. The Chair will request the assistance of the County Emergency Management Division in identifying such individuals and notifying them of the upcoming assessment process. This post-event assessment process will also be utilized, when applicable, to evaluate the effectiveness in mitigation initiatives in place. At a minimum, representatives from the impacted local jurisdictions will be represented on such teams, as will personnel from the County Emergency Management Division serving as Volusia Prepares support staff.

The Emergency Management Division coordinates with the CRS Coordinator, the Growth and Resource Management Department and the Property Appraisers Office to identify substantially damaged structures in SFHAs throughout the entire county and its jurisdictions. Once an incident occurs the Property Appraisers Office will send out teams to conduct the initial assessment of damaged areas and structures. The Property Appraisers Office will work with the municipalities and generate a list of the damaged structures, destroyed, major, minor, and affected, and provide to the Emergency Management Division to disseminate to the state and Emergency Management Partners. The Growth and Resource Management Department will then send out teams to take pictures, leave door hangers, identify if structures are substantially damaged, and mail out letters to the owners of the substantially damaged structures in the SFHAs, to come in for permits. A database will be created after each incident of the substantially damaged structures. The substantially damaged structures in a SFHA database will be shared with the Emergency Management Division. Within 45 days of the incident, the CRS Coordinator will facilitate a meeting with all participating community CRS coordinators and/or floodplain managers from the municipalities to discuss the substantially damaged structures in SFHAs within their jurisdictions. To maintain awareness for mitigation projects, the Emergency Management Division compares mitigation projects to the substantially damaged in a SFHA database.

**Support Agencies responsible for implementation and enforcement of local floodplain management regulations to regulate and permit development in SFHAs:**

- Sheriff's Office
- Property Appraiser
- Growth & Resource Management
- Public Works
- Accounting Services
- Budget and Administration Services
- Purchasing Department
- Community Services
- Emergency Services Department
- Municipalities

**Section 7: Figure 2: FEMA DFIRM Panel Map. Last updated August 8, 2018**[7]




[7] https://volusiacountyfl.maps.arcgis.com/apps/instant/basic/index.html?appid=a12bb2c92372450ca1712a0651815b5f

An additional indicator of floodplain management capability is the active participation of local jurisdictions in the *Community Rating System* (CRS). The CRS is an incentive-based program that encourages counties and municipalities to undertake defined flood mitigation activities that go beyond the minimum requirements of the NFIP, adding extra local measures to provide protection from flooding. All of the 18 creditable CRS mitigation activities are assigned a range of point values. As points are accumulated and reach identified thresholds, communities can apply for an improved CRS class. Class ratings, which run from 10 to 1, are tied to flood insurance premium reductions. As class ratings improve (the lower the number the better), the percent reduction in flood insurance premiums for NFIP policyholders in that community increases.

Community participation in the CRS is voluntary. Any community that is in full compliance with the rules and regulations of the NFIP may apply to FEMA for a CRS classification better than class 10. The CRS application process has been greatly simplified over the past several years, based on community comments intended to make the CRS more user friendly, and extensive technical assistance available for communities who request it.

Volusia County and its 16 jurisdictions are all participants in the National Flood Insurance Program (NFIP) and many jurisdictions participate in the Community Rating System (CRS). Compliance with the NFIP is maintained through:

- Jurisdiction participation in the Volusia Prepares Working Group (quarterly)
- Quarterly submittal of Mitigation Initiatives by jurisdiction
- Complying with NFIP through County/Municipal Floodplain Ordinances (exceed CFR-44)
- Compliance with Florida Building Code

**Section 7: Table 3: CRS Premium Discounts, By Class**

| CRS CLASS | PREMIUM REDUCTION |
|---|---|
| 1 | 45% |
| 2 | 40% |
| 3 | 35% |
| 4 | 30% |
| 5 | 25% |
| 6 | 20% |
| 7 | 15% |
| 8 | 10% |
| 9 | 5% |
| 10 | None |

**Section 7: Table 4: CRS Participation in Volusia County (as of 11/15/2024)**

| JURISDICTION | CRS CLASSIFICATION | DISCOUNT FOR SFHA |
|---|---|---|
| Daytona Beach | 5 | 25% |
| Daytona Beach Shores | 5 | 25% |
| DeBary | NA | NA |
| DeLand | NA | NA |
| Deltona | 9 | 5% |
| Edgewater | 7 | 15% |
| Holly Hill | 8 | 10% |
| Lake Helen | NA | NA |
| New Smyrna Beach | 5 | 15% |
| Oak Hill | NA | NA |
| Orange City | NA | NA |
| Ormond Beach | 5 | 25% |
| Pierson | NA | NA |
| Ponce Inlet | 5 | 25% |
| Port Orange | 5 | 25% |
| South Daytona | 7 | 15% |
| Volusia County | 5 | 25% |

***Floodplain Management Plan***: A floodplain management plan (or a flood mitigation plan) provides a framework for action regarding the corrective and preventative measures put in place to reduce flood-related impacts. Floodplain management plans are similar to hazard mitigation plans except for the fact that they focus solely on flood hazards and identify specific actions to address flooding problems within a jurisdiction.

- All jurisdictions have a floodplain management plan, located within the County Floodplain Management Plan.

***Stormwater Management Plan***: A stormwater management plan is designed to address flooding associated with stormwater runoff. The stormwater management plan is typically focused on design and construction measures intended to reduce the impact of minor urban flooding. Stormwater management plans are an excellent way for local governments to regulate stormwater flow within the jurisdiction and to prevent future stormwater problems.

## 7.3.5 Gaps and Capability Improvements

Small jurisdictions within Volusia County do not have the necessary resources to expand operations beyond what is needed for day-to-day operations. These municipalities rely on support from the County to develop plans and execute necessary safety measures, particularly in times of disaster. Municipalities such as DeBary, Oak Hill, and Pierson fall into this category. These communities often resort to the County's policies to guide their own.

Municipalities such as Daytona Beach, Deltona, New Smyrna Beach, and Ormond Beach have numerous policies in place to support hazard mitigation efforts as described throughout this report. Cities such as DeLand, Edgewater, and Port Orange have more than half of policies listed that support mitigation, but still face serious, ongoing damage from hazards, particularly flooding. Policy gaps and continued development increase the vulnerability to hazards within these jurisdictions.

It is recommended within the next five years that each jurisdiction reviews the existing policies for relevance, adopts additional policies mentioned in this document, and reassess developed or developing areas that are considered high risk as identified in Vulnerability Assessments. If a jurisdiction has not completed a Vulnerability Assessment, this can be accomplished through the Resilient Florida Grant Program.[8] Additionally, within the next five years, all municipalities are encouraged to participate in all LMS quarterly meetings and engage in county-wide resilience working groups to improve their capabilities to respond, mitigate, and recover from disasters.

[8] https://floridadep.gov/rcp/resilient-florida-program/content/resilient-florida-grants

## 7.4 PUBLIC CAPABILITY ASSESSMENT

As described in Section 2 of the plan, the public engagement sessions and surveys provided insight into residents' capabilities to respond and recover from disasters. The feedback received provides an opportunity for stakeholders to be involved in the planning process.

Residents from the community were invited to the LMS Working Group quarterly meetings, and two public engagement sessions. All residents were encouraged to speak on hazard concerns witnessed in the past five years to provide insight into Volusia County Emergency Management on individual and community level capabilities. The main concern of the public was about hurricane and flooding damage. Key takeaways from the public engagement sessions were:

- Flood mitigation efforts are ad hoc and there is no sole department or person overseeing mitigation efforts.
- There is no true definition of success or metrics on how to measure mitigation efforts to ensure they are working as intended.
- Maintenance and pre-storm preparations do not meet the public's needs for safety and security.
- Local building codes, zoning, and construction practices should be reevaluated to safeguard public confidence.

Additionally, the homeowner surveys collected information on the public's capabilities to respond and recover from disasters. There were 136 responses to this survey. Key takeaways were:

- 82% responded yes to noticing an increase in flood events.
- 49% responded yes to having flood insurance on their property.
- 56% responded no to implementing individual mitigation measures on their property.
- Of the 29% of those who have implemented individual mitigation measures on their property, 29% were landscaping/drainage improvements and 10% installed flood barriers.
- 51% have not implemented individual mitigation measures on their property due to financial setbacks and 20% claimed perceived difficulty.

## 7.5 EXISTING COUNTY-WIDE EFFORTS

Volusia County has invested resources into various plans and studies prior to this plan's update that contribute towards hazard mitigation and resilience. These plans and studies were reviewed during the update of this plan and discussed during LMS Working Group quarterly meetings by the various stakeholders and departments that completed them. Examples include:

- 2012 Volusia County Sustainability Action Plan
- 2017 Resilient Volusia County Phase 1
- 2018 East Central Florida Regional Resilience Collaborative
- 2019 East Central Florida Regional Resiliency Action Plan (RRAP)
- 2020 Planning for the Financial, Socio-Economic and Infrastructure-Related Effects of Sea Level Rise on Future Hurricane Storm Surge Intensity Report
- 2021 Resilient Volusia County Phase 2- Adaptation Action Areas Report
- 2023 Enhanced State Hazard Mitigation Plan
- 2024 East Central Florida Regional Risk Assessment
- Florida Statewide Regional Evacuation Study Program Regional Hazard Analysis
- Numerous vulnerability assessments throughout cities and county
- Numerous basin studies throughout cities and county

## 7.6 CONCLUSIONS OF THE CAPABILITY ASSESSMENT

The capability of Volusia County and the participating jurisdictions varies greatly from jurisdiction to jurisdiction. **Table 7.6** lists the total number of jurisdictions that have plans, ordinances and programs in place or under development.

**Section 7: Table 5: Relevant Plans, Ordinances and Programs**

| Plan, Ordinance or Program | Total Number of Jurisdictions |
|---|---|
| Local Mitigation Strategy | 17 |
| Comprehensive Land Use Plan | 17 |
| Floodplain Management Plan | 17 |
| Open Space Management Plan | 8 |
| Stormwater Management Plan | 15 |
| Natural Resource Protection Plan | 10 |
| Flood Response Plan | 11 |
| Emergency Operations Plan | 17 |
| Continuity of Operations Plan | 11 |
| Evacuation Plan | 14 |
| Disaster Recovery Plan | 11 |
| Capital Improvements Plan | 17 |
| Economic Development Plan | 11 |
| Historic Preservation Plan | 8 |
| Floodplain Ordinance (or Flood Damage Prevention Ordinance) | 17 |
| Zoning Ordinance | 17 |
| Subdivision Ordinance | 13 |
| Unified Development Ordinance | 9 |
| Post-disaster Redevelopment / Reconstruction Ordinance | 4 |
| Building Code | 17 |
| Fire Code | 17 |
| National Flood Insurance Program | 17 |
| NFIP Community Rating System | 11 |

Capability *Assessment* and *Risk Assessment* serve as the foundation for a meaningful hazard mitigation strategy. During the process of identifying the goals and mitigation actions each jurisdiction must consider not only their level of hazard risk but also their existing capability to minimize or eliminate that risk.

In jurisdictions where the overall risk of hazard is high, specific mitigation actions that account for these conditions should be considered. This may include less costly actions such as minor ordinance revisions or public awareness activities. If necessary, specific capabilities may need to be improved to better address recurring threats. Similarly, in cases where the hazard vulnerability is low, more emphasis can be placed on actions that may impact future vulnerability, such as guiding development away from known hazard areas using various regulatory measures.

**Use of Social Media and Other Media for Warning and Loss Prevention**

Volusia County Emergency Management uses its X, formally known as Twitter, and Facebook account to provide warning to residents about incoming storms and other natural hazards. In unison with social media, the County Public Information Officer and Emergency Manager stay in communication with local television stations as well as national television stations such as The Weather Channel before, during and after storm and natural hazard events). Coordination with media sources often includes tips for residents for property mitigation (such as sandbagging) and tips for residents to stay safe after a storm (including staying away from downed power lines and standing water).

As of 2024, Volusia County Emergency Management launched an app focused on public outreach on emergency preparedness. This app sends out push notifications and public safety messages in real-time. The app provides information on topics such as state of emergencies, current events, weather conditions, sheltering, and disaster assistance.

# SECTION 8 – MITIGATION STRATEGY

This section of the Plan provides the blueprint for Volusia County and the participating jurisdictions to become less vulnerable to its identified hazards. It is based on general consensus of the Volusia Prepares LMS Working Group (LMS Working Group) and the findings and conclusions of the *Capability Assessment* and *Risk Assessment*. It consists of the following five subsections:

- **Introduction**
- **Mitigation Goals**
- **Identification and Analysis of Mitigation Techniques**
- **Selection of Mitigation Techniques for Volusia County**
- **Mitigation Success Stories**
- **Plan Update Requirement**

## 8.1 INTRODUCTION

The intent of the Local Mitigation Strategy is to provide Volusia County and the participating jurisdictions with the goals that will serve as guiding principles for future mitigation policy and project administration, along with an analysis of mitigation techniques deemed available to meet those goals and reduce the impact of identified hazards. It is designed to be comprehensive, strategic and functional in nature:

- In being comprehensive, the development of the strategy includes a thorough review of all hazards and identifies extensive mitigation measures intended to not only reduce the future impacts of high-risk hazards, but also to assist the County and participating jurisdictions achieve compatible economic, environmental and social goals.

- In being strategic, the development of the strategy ensures that all policies and projects proposed for implementation are consistent with pre-identified, long-term planning goals.

- In being functional, each proposed mitigation action is linked to established priorities and assigned to specific departments or individuals responsible for their implementation with target completion deadlines. When necessary, funding sources are identified that can be used to assist in project implementation.

The first step in designing the LMS includes the identification of countywide mitigation goals. Mitigation goals represent broad statements that are achieved through the implementation of more specific, action-oriented objectives. These actions include both hazard mitigation policies (such as the regulation of land in known hazard areas through a local ordinance), and hazard mitigation projects that seek to address specifically targeted hazard risks (such as the acquisition and relocation of a repetitive loss structure).

The second step involves the identification, consideration and analysis of available mitigation measures to help achieve the identified mitigation goals. This is a long-term, continuous process, sustained through the development and maintenance of this Plan. Alternative mitigation measures will continue to be

considered as future mitigation opportunities become identified, as data and technology improve, as mitigation funding becomes available, and as this Plan is maintained over time.

The third and last step in designing the LMS is the selection and prioritization of specific mitigation actions, referred to as Hazard Mitigation Initiatives, for Volusia County and participating jurisdictions. The Mitigation Action Plan (MAP) represents an unambiguous and functional plan for action and is considered to be the most essential outcome of the mitigation planning process.

The MAP includes a prioritized listing of proposed hazard mitigation actions (policies and projects) for Volusia County and its participating jurisdictions and partners to carry out with accompanying information such as those departments or individuals assigned responsibility for their implementation, potential funding sources and an estimated target date for completion, serving as an important tool for monitoring success or progress over time. The cohesive collection of actions listed in the MAP can also serve as an easily understood menu of mitigation policies and projects for those local decision makers who want to quickly review the recommendations and proposed actions.

In preparing the Mitigation Action Plan for Volusia County, the LMS Working Group considered the overall hazard risk and capability to mitigate the effects of hazards as determined through the risk and capability assessment process, in addition to meeting the adopted countywide mitigation goals and unique needs of the community. Prioritizing the proposed mitigation actions was based on the following 11 factors:

- Population Benefited
- Health and Safety Considerations
- Environmental Impact
- Consistency with Other Plans and Programs
- Reduces Risk of Future Property Damage
- Supports Essential or Critical Services
- Probability of Receiving Funding for Implementation
- Feasibility of Implementation
- Community Rating System
- Repetitive Loss Mitigation
- Benefit Cost Ratio (to be conducted prior to submitting a project for grant consideration)

The mitigation initiative scoring system is provided in **Section 8: Table 1**.

**Section 8: Table 1: Mitigation Initiative Scoring System**

| Prioritization Criteria | Scoring | | | | |
|---|---|---|---|---|---|
| **Population Benefited** | **4** - Project will benefit a multi-jurisdictional area. | **3** - Project will benefit a jurisdictional area. | **2** - Project will benefit less than 100% of a jurisdiction (i.e., neighborhood). | | |
| **Health and Safety Considerations** *Add 1 point for projects that benefit a multi-jurisdictional area. | **4** - Project would benefit 75% or more of the population. | **3** - Project would benefit 50-74% of the population. | **2** - Project would benefit 25-49%of the population. | **1** - Project would benefit less than 25% of the population. | |
| **Environmental Impact** | **1** - Project improves the environment. | **0** - Risk to the environment is undetermined. | **(-1)** - Project poses risk to the environment. | | |
| **Consistence with other Plans and Programs** | **4** - Project is incorporated into the LMS, CEMP and Comprehensive Plan, and supports the National Flood Insurance Program (i.e., for flood related projects). | **3** - Project is incorporated into at least two of these plans. | **2 -** Project is incorporated into at least one of these plans. | **1** - Project is consistent with other local standards, aside from LMS, CEMP and Comprehensive Plan. | |
| **Reduces Risk of Future Property Damage** | **4 -** Mitigates a hazard of high frequency or risk. | **3 -** Mitigates a hazard of moderate frequency or risk. | **2 -**Mitigates a hazard of low frequency or risk. | **1 -** Mitigates a hazard of very low frequency or risk. | |
| **Supports Essential or Critical Services** | **5** - Project will ensure continuity of operations for essential infrastructure or services. | **3** - Project will support infrastructure or services with loss/damage history. | **1** - Project will support infrastructure or services without loss/damage history. | **0** - Project's operation will have no impact on community infrastructure or services if disrupted. | |
| **Probability of Receiving Funding for Implementation** | **4** - Limited funding potential exists. | **3** -Potential funding sources are other state or federal grants or similar funding sources. | **2** - Potential funding is readily available through emergency preparedness or mitigation funding sources. | **0** - Potential funding is readily available through local funding sources (e.g., budgeting, capital improvements). | |
| **Feasibility of Implementation** | **4** - Project would be relatively easy to implement in one year. | **3** - Project would be easy to implement in three years. | **2** - Project would be easy to implement in five years. | **0** - Project would be difficult to implement. | |
| **Community Rating System** | **4** - Project supports all four elements of CRS flood-related activities (public information, mapping and regulations, damage reduction and flood preparedness). | **3** - Project supports three CRS elements. | **2** - Project supports two CRS elements. | **1** - Project supports one CRS element. | **0** - Project does not support any CRS element. |
| **Repetitive Loss Mitigation** | **4** - Project protects 50% or more of Repetitive Loss (RL) structures. | **2** - Project protects less than 50% of RL structures. | **0** - Project does not protect a RL structure. | | |
| **Benefit Cost Ratio** | **5** - Project has a Benefit Cost Ratio (BCR) of "1" or higher, using FEMA approved software. | **3** - Project has a BCR of less than "1" using FEMA approved software. | **0** - The BCR cannot be determined. | | |

## 8.2 MITIGATION GOALS

**44 CFR Requirement**

***44 CFR Part 201.6(c)(3)(i):***
The mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

For the 2025 plan update, the LMS Working Group used the goal listing updated and developed as part of the 2020 plan update. Each of the following goal statements represent a broad target for Volusia County and its participating jurisdictions and partners to achieve through the implementation of its more detailed Mitigation Action Plan provided in Section 9: *Mitigation Action Plan*. They are intended to reflect the unique needs and wishes of the communities of Volusia County to have a more "disaster resilient" future.

**Section 8: Table 2: LMS Working Group Mitigation Goals**

| |
|---|
| **GOAL 1: Strengthen effective hazard mitigation programming through policies, regulations, and technology through local government collaborations.** |
| ***Objective 1*:** Develop a mechanism to track mitigation projects for active reporting among jurisdictions. |
| ***Objective 2*:** Support the efforts of each jurisdictions' Community Rating Systems program. |
| ***Objective 3*:** Review, develop and enforce policies, plans and regulations to discourage or prohibit inappropriate location of structures or infrastructure components in high-risk areas. |
| ***Objective 4*:** Leverage available information and data from sources, such as individual vulnerability assessments, the Regional Resilience Action Plan, and Adaption Action Areas to further mitigation efforts. |
| ***Objective 5*:** Seek funding to implement and further existing forecasting technology. |
| ***Objective 6*:** Strengthen surveying strategies before and after a disaster for more comprehensive damage assessments. |
| **GOAL 2: Local government will endeavor to have resilient critical infrastructure that supports operations before, during, and after disasters.** |
| ***Objective 1:*** Educate local partners on the need for financial planning to reduce risk and recover critical infrastructure quickly after a disaster. |
| ***Objective 2:*** Implement adaptation strategies and encourage routine maintenance of critical infrastructure through physical and geological enhancements using available technology. |
| ***Objective 3*:** Evaluate utility, telecommunications, and information technology systems with external agency partners to determine potential mitigation opportunities. |
| ***Objective 4*:** Assess transportation routes, systems, and infrastructure to identify potential relocation, retrofit, or modification opportunities to ensure safe passage before, during and after disaster events. |
| ***Objective 5*:** Prioritize the functions of emergency service operations and their facilities. |
| ***Objective 6:*** Annually seek opportunities and apply for funding to expand future shelter capacity and for existing shelter retrofits. |

| |
|---|
| **GOAL 3: Encourage economic sustainability within the community.** |
| ***Objective 1:*** Local government will encourage businesses and industries to make employment facilities and operations more disaster resilient. |
| ***Objective 2:*** Develop partnerships to enhance communication between private sector businesses and local governments. |
| ***Objective 3:*** Offer training to local businesses and professional organizations on all hazard preparedness. |
| ***Objective 4:*** Review the needs of key supply chain demands in the community by establishing programs, facilities or resources to support business continuity. |
| **GOAL 4: Enhance the whole community's understanding of the hazards and the techniques used to minimize vulnerability.** |
| ***Objective 1:*** Provide information through outreach activities to further the public's understanding of local hazards and residential vulnerabilities. |
| ***Objective 2:*** Inform tourists on the hazard risks and preparedness. |
| ***Objective 3:*** Collaborate with private sector associations and businesses to further disaster preparedness and business continuity. |
| ***Objective 4:*** Encourage each jurisdiction to participate in trainings and exercises and share resources with one another. |

## 8.3 IDENTIFICATION AND ANALYSIS OF MITIGATION TECHNIQUES

**44 CFR Requirement**

***44 CFR Part 201.6(c)(3)(ii):***
The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effect of each hazard, with particular emphasis on new and existing buildings and infrastructure.

In formulating the LMS for Volusia County, a wide range of activities were considered to help achieve the established mitigation goals in addition to addressing any specific and targeted hazard concerns. These activities were discussed by the LMS Working Group at meetings held over the course of plan development. In general, all activities considered by the LMS Working Group can be classified under one of the following six (6) broad categories of mitigation techniques.

**1. Prevention**
Preventative measures are intended to keep hazard problems from getting worse and are typically administered through government programs or regulatory actions that influence the way land is developed and buildings are built. They are particularly effective in reducing a community's future vulnerability, especially in areas where development has not occurred or capital improvements have not been substantial. Examples of preventative activities include:

- Planning and zoning
- Building codes
- Open space preservation
- Floodplain regulations
- Stormwater management regulations
- Drainage system maintenance
- Capital improvements programming
- Riverine / fault zone setbacks

**2. Property Protection**
Property protection measures involve the modification of existing buildings and structures to help them better withstand the forces of a hazard, or removal of the structures from hazardous locations. Examples include:

- Acquisition
- Relocation
- Building elevation
- Critical facilities protection
- Retrofitting (e.g., wind proofing, floodproofing, seismic design techniques, etc.)
- Safe rooms, shutters, shatter-resistant glass
- Insurance

**3. Natural Resource Protection**

Natural resource protection activities reduce the impact of natural hazards by preserving or restoring natural areas and their protective functions. Such areas include floodplains, wetlands, steep slopes and sand dunes. Parks, recreation or conservation agencies and organizations often implement these protective measures. Examples include:

- Floodplain protection
- Watershed management
- Riparian buffers
- Forest and vegetation management (e.g., fire resistant landscaping, fuel breaks, etc.)
- Erosion and sediment control
- Wetland preservation and restoration
- Habitat preservation
- Slope stabilization

**4. Structural Projects**

Structural mitigation projects are intended to lessen the impact of a hazard by modifying the environmental natural progression of the hazard event through construction. They are usually designed by engineers and managed or maintained by public works staff. Examples include:

- Reservoirs
- Dams / levees / dikes / floodwalls
- Diversions / detention / retention
- Channel modification
- Storm sewers

**5. Emergency Services**

Although not typically considered a “mitigation” technique, emergency service measures do minimize the impact of a hazard event on people and property. These commonly are actions taken immediately prior to, during, or in response to a hazard event. Examples include:

- Warning systems
- Evacuation planning and management
- Emergency response training and exercises
- Sandbagging for flood protection
- Installing temporary shutters for wind protection

**6. Public Education and Awareness**

Public education and awareness activities are used to advise residents, elected officials, business owners, potential property buyers, and visitors about hazards, hazardous areas, and mitigation techniques they can use to protect themselves and their property. Examples of measures to educate and inform the public include:

- Outreach projects
- Speaker series / demonstration events

- Hazard map information
- Real estate disclosure
- Library materials
- School children educational programs
- Hazard expositions

## 8.4 SELECTION OF MITIGATION TECHNIQUES FOR VOLUSIA COUNTY

In order to determine the most appropriate mitigation techniques for Volusia County, the LMS Working Group thoroughly reviewed and considered collective findings of various community assessments. Other considerations included each individual mitigation action's effect on overall risk to life and property, health and safety, the environment, plan consistency, its ease of implementation and general cost-effectiveness, and funding availability (if necessary).

FEMA guidance for meeting the planning requirements of the Disaster Mitigation Act of 2000 specifies that local governments should prioritize their mitigation actions based on the level of risk a hazard poses to life and property. In response to this requirement, the LMS Working Group used and completed a Mitigation Techniques Matrix (**Section 8: Table 3**) to make certain they addressed, at a minimum, those hazards posing the greatest threat.

**Section 8: Table 3: Mitigation Techniques Matrix for Volusia County**

| MITIGATION TECHNIQUE | HIGH RISK HAZARDS | | | |
|---|---|---|---|---|
| | FLOOD | TROPICAL CYCLONES | RISING COASTAL WATERS | TORNADO |
| Prevention | ✓ | ✓ | ✓ | ✓ |
| Property Protection | ✓ | ✓ | ✓ | ✓ |
| Natural Resource Protection | ✓ | ✓ | ✓ | |
| Structural Projects | ✓ | ✓ | ✓ | ✓ |
| Emergency Services | ✓ | ✓ | ✓ | ✓ |
| Public Education & Awareness | ✓ | ✓ | ✓ | ✓ |

The Mitigation Techniques Matrix provides the LMS Working Group with the opportunity to cross-reference each of the priority high risk hazards, the aforementioned comprehensive range available mitigation techniques, including prevention; property protection; natural resource protection; structural projects; emergency services; and public education and awareness. However, it is important to note that Volusia County's Mitigation Action Plan includes an array of actions targeting multiple hazards and is not necessarily limited to only those classified as high risk.

Additional mitigation strategies range from:

- Seawalls
- Breakwaters
- Habitat restoration
- Beach renourishment
- Living Shorelines
- Elevating major roadways
- Raising vulnerable structures
- Water pump systems
- Underground utilities
- Permeable pavement
- Low impact development
- Floodproofing structures
- Rain gardens
- Increase density standards
- Land acquisition
- Public Outreach and Education

## 8.5 PLAN REVISIONS

Because of FEMA requirements for plan updates, the Mitigation Action Plan was reviewed by each agency responsible identified for implementing the action. For each action, an update on the implementation status (completed, deleted, or deferred) was provided and milestones achieved or impediments to implementation of the actions were identified to adjust the project list as necessary.

The current goals and objectives were updated and refined through a series of virtual and in-person meetings in 2024. All members of the Volusia Prepares Working Group were invited to participate in the meetings outside the quarterly meetings. All feedback was evaluated and incorporated into the outlined goals and objectives.

Flooding, rising coastal waters, and tropical cyclones were the top concerns for the LMS Volusia Prepares Working Group and residents throughout Volusia County. These hazards are complex issues with multiple contributing factors, often specific to a given site. Effective mitigation requires accurate data collection and analysis to identify areas that have experienced repeated damage. Prioritization should be given to these locations, followed by those that have been damaged most recently, ensuring that resources are allocated efficiently to address the most impacted areas first. Given the constraints of available resources, it is essential to focus on areas where mitigation efforts will have the greatest impact.

Public concerns regarding such hazards have frequently attributed the issue to new development. While development can be a contributing factor in certain locations—such as Venetian Bay in New Smyrna Beach, Old Dixie Highway in Ormond Beach, the west side of Daytona Beach, and new miscellaneous subdivisions throughout the county—these hazards are typically the result of a combination of factors. Addressing existing challenges requires a site-specific approach that considers a broad range of contributing causes and solutions.

# SECTION 9 – MITIGATION ACTION PLAN

**44 CFR Requirement**

***44 CFR Part 201.6(c)(3)(iii):*** The mitigation strategy shall include an action plan describing how the actions identified in paragraph (c)(2)(ii) of this section will be prioritized, implemented, and administered by the local jurisdiction.

This section includes the listing of the mitigation actions proposed by Volusia County and its participating jurisdictions and partners. It has been designed to achieve the mitigation goals and objectives established in Section 8: Mitigation Strategy and will be maintained on a regular basis according to the plan maintenance procedures established in Section 10: Plan Maintenance Procedures.

As described in the previous section, the Mitigation Action Plan, or MAP, represents an unambiguous and functional plan for action. Each proposed mitigation action has been identified as an effective measure (policy or project) to reduce hazard vulnerability for Volusia County.

Most importantly, implementation mechanisms are provided for each action, including the designation of a lead agency or department responsible for implementing the action. Specific information regarding project cost and timeframe for its completion is on file with Volusia County Emergency Management. These implementation mechanisms ensure that Volusia County Local Mitigation Strategy remains a functional document that can be monitored for progress over time.

**Section 9: Table 1: Key Elements of the Mitigation Action Plan**

| | |
|---|---|
| **Priority** | Indicates whether the action is a "low" priority, "moderate" priority or "high" priority based on the established prioritization criteria: Low = <10; Moderate = 11-24; High = 25+ |
| **Jurisdiction** | Identifies the geographic location where the initiative is located. |
| **Responsible Organization** | Identifies the local agency, department or organization that is best suited to implement the proposed action, project or initiative. |
| **Hazard(s)** | Lists the hazard(s) the proposed action is designed to mitigate against. |
| **Mitigation Technique Category** | It indicates the mitigation technique that the proposed action is designed to help achieve. Categories include E = Emergency Services; P = Prevention; PE = Public Education; PP = Property Protection; S = Structural |
| **Initiative** | Identifies a specific action that, if accomplished, will reduce vulnerability and risk in the impact area. Actions may be in the form of local policies (i.e., regulatory or incentive-based measures), programs or structural mitigation projects and should be consistent with any pre-identified mitigation goals and objectives. An identification number is provided. The county has additional information on files for each initiative (e.g., location, damage history, specific mitigation measure, estimated cost, etc.) |
| **Funding** | If applicable, it indicates how the cost to complete the action will be funded. For example, funds may be provided from existing operating budgets or general funds, a previously established contingency fund, a cost-sharing federal or state grant program, etc. The default funding source for initiatives within this listing is the Hazard Mitigation Grant Program (HMGP). Outside of the HMGP, funding sources for these projects are typically determined on the local level for "proactive" projects that do not need a disaster declaration to be funded. However, most of the projects on this listing do not have a set funding source, which defaults the project to HMGP. If identified, specific funding sources will be attributed to initiatives. |
| **Approved by LMS Working Group** | Identifies the date when the initiative was approved by the LMS Working Group |
| **Completion Date** | Indicates when the action was completed. Remember that some actions will require only a minimal amount of time, while others may require a long-term or continuous effort. Projects are "deferred" or "terminated" from list listing at the discretion of the jurisdiction that is implementing those changes. When initiatives are deferred or deleted on the jurisdictional level, countywide representatives are notified via the LMS Working Group (or Volusia Prepares), and the countywide initiative listing is updated at that time. |
| **Status** | The status indicators for each initiative is as follows:<br>• C = Current<br>• D = Deferred ****See notes under "Completion Date" above****<br>• N = New<br>• T = Terminated ****See notes under "Completion Date" above****<br>• U = Updated<br>• CF = Completed with other funding<br>• W = Withdrew<br>• L = Looking for other funding |

Each mitigation initiative has been scored by the responsible jurisdiction. The scoring system is included in Section 8: Mitigation Strategy.

Prioritizing the proposed mitigation actions was based on the following 11 factors:

- Population Benefited
- Health and Safety Considerations
- Environmental Impact
- Consistency with Other Plans and Programs
- Reduces Risk of Future Property Damage
- Supports Essential or Critical Services
- Probability of Receiving Funding for Implementation
- Feasibility of Implementation
- Community Rating System
- Repetitive Loss Mitigation
- Benefit Cost Ratio (to be conducted prior to submitting a project for grant consideration)

Each mitigation initiative was scored on 10 of these 11 factors. The jurisdictions have not run an official benefit cost analysis (BCA) for the initiatives at this time. The jurisdictions did include a general BCA in the mitigation initiative application that was submitted to Volusia County Emergency Management. However, the BCA will be run for the initiatives following a disaster to factor in all known damage costs.

The mitigation initiatives are not listed in exact priority order, though each has been assigned a priority level of “low”, “moderate”, or “high”.

All mitigation initiatives included in the Action Plan that propose to reduce flood hazard vulnerability advance the intent of the National Flood Insurance Program (NFIP), as they will meet the current local floodplain regulations adopted by the jurisdictions as required by the NFIP. Two of the scoring factors used to determine the priority of the actions specifically address the intent of the NFIP and the Community Rating System (CRS). These two factors consider whether the initiative supports elements of the CRS and reduces repetitive flood losses.

Volusia County is highly committed to reducing flood losses in support of the NFIP and has predominantly used local funding to implement these projects. Examples of these initiatives include acquiring and relocating repetitive loss structures, relocating critical facilities from the 100-year floodplain, floodproofing equipment at water treatment plants, performing drainage improvement projects and creating new topographic maps based on newly collected Light Detection and Ranging (LiDAR) data. Approximately half of open disaster mitigation initiatives support flood hazard vulnerability reduction.

The open mitigation initiatives are listed in the Action Plan in **Section 9: Table 2** If a mitigation initiative does not have a status indicator, it is considered “open.

In 2019, the East Central Florida Regional Planning Council and Volusia County Emergency Management mapped the locations of all mitigation projects, by type, as part of a project with the Florida Department of Environmental Protection. These maps are available upon request.

**Section 9: Table 2: Mitigation Action Plan: Open Mitigation Initiatives by Jurisdiction (as of 1/28/2025)**

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0546 | Ian (2) | Ormond Beach | Public Works | Flood | P PP S | VOL -0546 Fleming Avenue Pump Station Central Park Flood Mitigation | HMGP | $12,561,200.00 | 10/3/2019 | 12/31/2028 | C |
| VOL-0555 | Ian (10) | Holly Hill | Public Works | Flood | P PP | VOL- 0555 Lift Station #21 Refurbishment | HMGP | $516,000.00 | 10/3/2019 | 12/31/2028 | C |
| VOL-0560 | | Volusia County | VCEM | Riverine Surge | P PP S | VOL-0560 Elevate and retrofit flood prone home | FMA | | 10/3/2019 | 1/1/2024 | T |
| VOL-0561 | | Volusia County | VCEM | Riverine Surge | P PP S | VOL-0561 Elevate and retrofit flood prone home | FMA | | 10/3/2019 | 1/1/2024 | T |
| VOL-0562 | | FL Hospital DeLand | EM Coordinator | All Hazard | P PP S | VOL-0562 Upgrade Windows | HMGP | | 9/12/2018 | 1/1/2023 | T |
| VOL-0563 | 63 | Holly Hill | Public Works | Flood | P PP S | VOL-563 Elevation fo home at 318 Riverside Dr. | HMGP | $379,500.00 | 9/12/2018 | 1/1/2023 | C |
| VOL-0564 | | DeLand | Risk Management | All Hazard | P PP S | VOL- 564 Generator Power for sheltering | HMGP | | 3/20/2019 | 1/1/2024 | CF |
| VOL-0565 | | Volusia County | VCEM | Flood | P PP S | VOL- 0565 Elevate and Retrofit home at 1036 Shockney Dr Ormond Beach | FMA | | 10/3/2019 | 1/1/2024 | T |
| VOL-0566 | | Volusia County | VCEM | Flood | P PP S | VOL- 0566 Elevate and Retrofit home at 6411 River Road New Smyrna Beach | FMA | | 10/3/2019 | 1/1/2024 | T |
| VOL-0567 | | Volusia County | VCEM | Flood | P PP S | VOL- 0567 Elevate and Retrofit home at 364 Seminole Dr Ormond Beach | FMA | | 10/3/2019 | 1/1/2024 | T |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0568 | | Volusia County | Coastal Division | Flood Surge | P PP | VOL- 0568 ISB Public Restroom demolition and rebuild at higher elevation | HMGP | | 3/31/2020 | 4/1/2025 | T |
| VOL-0569 | | Volusia County | Coastal Division | Flood Surge | P PP | VOL- 0569 Bethune Beach Public Restroom demolition and rebuild at higher elevation | HMGP | | 3/31/2020 | 4/1/2025 | T |
| VOL-0570 | | Volusia County | Coastal Division | Flood Surge | P PP | VOL-0570 Silver Beach public Restroom demolition and rebuild at higher elevation | HMGP | | 3/31/2020 | 4/1/2025 | T |
| VOL-0571 | 64 | Volusia County | Fire Services | All Hazard | P PP ES | VOL-0571 Replacement Generator for Volusia County Fire Station 21 | HMGP | $70,377.00 | 3/31/2020 | 4/1/2025 | C |
| VOL-0572 | | Volusia County | Fire Services | All Hazard | P PP S ES | VOL-0572 Relocation and new construction of Station 44 (132 N. Fountain Dr. Pierson) | HMGP | $4,092,105.00 | 3/31/2020 | 4/1/2025 | T |
| VOL-0573 | | Volusia County | Fire Services | All Hazard | P PP S ES | VOL-0573 Increased Hurricane Rating of Bay Doors at DBIA Fire Station 17 | HMGP | $630,000.00 | 9/30/2020 | 10/1/2025 | T |
| VOL-0574 | | Volusia County | Fire Services | All Hazard | P PP S ES | VOL-0574 Replacement generator for Volusia County Fire Rescue Fire Station 11 located at: 1580 Derbyshire Road, Holly Hill, FL 32117 | HMGP | $42,551.00 | 9/30/2020 | 10/1/2025 | T |
| VOL-0575 | | Volusia County | Beach Safety | Flood Surge | P PP S | VOL-0575 Ponce de Leon Inlet North Jetty Deck Extension | HMGP | | 12/9/2020 | 12/10/2025 | T |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0576 | 65 | DeLand | Risk Management | Flood | P | VOL-0576 City Hall Basin Area Improvements, The City of DeLand is seeking funding to construct a dedicated drainage infrastructure system to remedy the localized flooding | HMGP | $4,279,952.00 | 3/31/2021 | 12/31/2026 | C |
| VOL-0577 | 66 | DeLand | Risk Management | Flood Wind | PP | VOL-0577 Sanborn Center Hurricane Shutters | HMGP | $78,061.14 | 3/31/2021 | 12/31/2026 | C |
| VOL-0578 | | Deltona | Fire | Flood Wind | P S ES | VOL-0578 Safe Rooms / Emergency Operations Center (EOC) / Fire Department Training Facility. | HMGP | | 3/31/2021 | 12/31/2026 | T |
| VOL- 0579 | 67 | Ormond Beach | Public Works | Flood | PP P | VOL-0579 John Anderson Drive Drainage Improvements | HMGP | $230,000.00 | 3/31/2021 | 12/31/2026 | C |
| VOL-0580 | 68 | South Daytona | Public Works | All Hazard | P PP S | VOL-0580 City Hall Complex Generator | HMGP | $420,000.00 | 3/31/2021 | 12/31/2026 | C |
| VOL-0581 | COVID (1) | Volusia County | EM | All Hazard | P PP S | VOL-0581 Residential elevation project of 356 Seminole Drive | HMGP | $221,280.00 | 3/31/2021 | 12/31/2026 | C |
| VOL-0583 | COVID (2) | Volusia County | Fire | All Hazard | P PP S ES | VOL-0583 Infrastructure Retrofit & Safe Room of Station 42 | HMGP | $3,800,000.00 | 3/31/2021 | 12/31/2026 | C |
| VOL-0584 | COVID (3) | Volusia County | Fire | All Hazard | P PP S ES | VOL-0584 Infrastructure Retrofit & Safe Room of Station 34 | HMGP | $ - | 3/31/2021 | 12/31/2026 | T |
| VOL-0585 | | Volusia County | Public Works | Flood | P PP S | VOL-0585 North Beach Street - Grade Raise & Culvert additions | HMGP | | 3/31/2021 | 12/31/2026 | T |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0586 | | Volusia County | Fire Rescue | All Hazard | P S ES | VOL - 0586 Indian Lake Emergency Services Project | BRIC | $ - | 9/6/2022 | 12/31/2027 | T |
| VOL-0587 | Ian (5) | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0587 Elkcam Blvd | HMGP | $8,000,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0588 | | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0588 Tulsa Drive | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0589 | Ian (17) | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0589 Catalina | HMGP | $2,250,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0590 | | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0590 East Brook | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0591 | | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0591 Windsor Lake | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0592 | | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0592 Lake Dupont | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0593 | | Deltona | City Manager's Office | Flood | P PP S ES | VOL-0593 Lake Angela | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0594 | Ian (7), Nicole (1) | Orange City | City Manager's Office | Flood | P PP S ES | VOL- 0594 Graves Ave | HMGP | $3,541,800.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0595 | | Orange City | City Manager's Office | Flood | P PP S ES | VOL-0595 Mill Lake | HMGP | $800,000.00 | 3/10/2023 | 12/31/2028 | L |
| VOL-0596 | Ian (19) | Holly Hill | Public Works | Flood | PP P | VOL-0596 Lift Station #7 | HMGP | $100,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0597 | | Holly Hill | Public Works | Flood | PP P | VOL-0597 Lift Station #11 | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0598 | | Holly Hill | Public Works | Flood | PP P | VOL-0598 Lift Station # 14 | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0599 | | Holly Hill | Public Works | Flood | PP P | VOL-0599 Lift Station # 16 | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0600 | 69 | New Smyrna Beach | Engineering | Flood | PP P | VOL-0600 4 Residential Demolitions | HMGP | $1,400,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0601 | Ian (6) | New Smyrna Beach | Engineering | Flood | PP P | VOL-0601 16 Residential Elevations | HMGP | $4,800,000.00 | 3/10/2023 | 12/31/2028 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0602 | Ian (16) | New Smyrna Beach | Engineering | Flood | PP P | VOL-0602 9 Residential Elevations | HMGP | $2,900,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0603 | 70 | South Daytona | Public Works | Flood | PP P | VOL-0603 Facility retrofit | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0604 | Ian (9) | South Daytona | Public Works | Flood | PP P | VOL-0604 Lift Stations | HMGP | $1,350,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0605 | 71 | South Daytona | Public Works | Flood | PP P | VOL-0605 Lift stations upgrades | HMGP | $225,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0606 | Ian (18), Nicole (26) | South Daytona | Public Works | Flood | PP P | VOL-0606 Storm water stations | HMGP | $385,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0607 | | South Daytona | Public Works | Flood | PP P | VOL-0607 Safe Room | HMGP | | 3/10/2023 | 12/31/2028 | T |
| VOL-0608 | Ian (22) | Volusia County | Emergency Management | Flood | PP P | VOL-0608 Coleman Residential Elevation | HMGP | $135,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0609 | Ian (24), Nicole (3) | Volusia County | Emergency Management | Flood | PP P | VOL-0609 Blackburn Residential Elevation | HMGP | $278,520.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0610 | Ian (3) | Port Orange | Public Works | Flood | PP P | VOL-0610 20 houses/10 Mobile Homes elevation | HMGP | $9,000,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0611 | Ian (14) | Volusia County | Fire Services | All Hazard | PP P | VOL-0611 Station 15 Generator | HMGP | $130,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0612 | Nicole (2) | Volusia County | Fire Services | All Hazard | PP P | VOL-0612 Station 35 Generator | HMGP | $70,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0613 | Ian (1) | Edgewater | Environmental Services | Flood Surge | P PP S ES | VOL-0613 Wastewater Treatment Plant Expansion and Flood-proofing | HMGP | $15,000,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0614 | 72 | Ormond Beach | City Engineer | Flood | P PP S ES | VOL-0614 Flood Control Pump Station on Fleming Avenue | HMGP | $12,561,200.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0615 | 73 | Ormond Beach | City Manager's Office | All Hazard | PP P | VOL-0615 Acquisition 293 Melrose Ave | FMA | $384,516.00 | 3/10/2023 | 12/31/2028 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0616 | 74 | Ormond Beach | City Manager's Office | All Hazard | PP P | VOL-0616 Elevation and Retrofit 320 Sanchez Ave | FMA | $380,628.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0617 | 75 | Ormond Beach | City Manager's Office | All Hazard | PP P | VOL-0617 Elevation and Retrofit 363 Putnam Ave | FMA | $301,494.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0618 | 76 | Ormond Beach | City Manager's Office | All Hazard | PP P | VOL-0618 Elevation and Retrofit 364 Putnam Ave | FMA | $204,480.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0619 | 77 | Ormond Beach | City Manager's Office | All Hazard | PP P | VOL-0619 Elevation and Retrofit 520 West Street | FMA | $280,000.00 | 3/10/2023 | 12/31/2028 | C |
| VOL-0620 | 78 | Ponce Inlet | City Manager's Office | All Hazard | P PP S ES | VOL-0620 Generator Public Works Facility | HMGP | $40,000.00 | 3/11/2023 | 12/31/2028 | C |
| VOL-0621 | Ian (15) | Ponce Inlet | City Manager's Office | All Hazard | P PP S ES | VOL-0621 Generator Standby Power for Community Center | HMGP | $70,000.00 | 3/11/2023 | 12/31/2028 | C |
| VOL-0622 | 79 | Ponce Inlet | City Manager's Office | All Hazard | P PP S ES | VOL-0622 Generator Replacement Standby Power for Fire Station | HMGP | $70,000.00 | 3/11/2023 | 12/31/2028 | C |
| VOL-0623 | 80 | Volusia County | Emergency Management | All Hazard | P PP S ES | VOL-0623 Multiroom Expansion/Saferoom for the EOC | HMGP | $4,032,630.00 | 3/11/2023 | 12/31/2028 | C |
| VOL-0624 | | Volusia County | Emergency Management | Flood | PP P | VOL-0624 Elevation 1092 Peninsula Drive | HMGP | | 3/15/2023 | 12/31/2028 | T |
| VOL-0625 | Ian (12) | Volusia County | Emergency Management | Flood | PP P | VOL-0625 Acquisition 241 Cherokee Drive | HMGP | $300,000.00 | 3/15/2023 | 12/31/2028 | C |
| VOL-0626 | Ian (21) | Ormond Beach | Fire Rescue | All Hazard | PP P | VOL-0626 Generator Fire Stations 92 and 93 | HMGP | $250,000.00 | 3/15/2023 | 12/31/2028 | C |
| VOL-0627 | | Volusia County | Emergency Management | Flood | PP P | VOL-0627 225 Brandy Court Elevation | HMGP | | 3/16/2023 | 12/31/2028 | T |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0628 | Ian (11) | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0628 Generators for Lift Stations at 1808 Mason Ave, 647 Shady Place, 507 N. Clyde Morris Blvd, 510 Ora Street, 433 Auburn Drive, 1317 Avenue, 310 Yorktown Drive | HMGP | $1,550,000.00 | 3/16/2023 | 12/31/2028 | C |
| VOL-0629 | | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0629 Generator for Lift Station at 647 Shady Place | HMGP | | 3/16/2023 | 12/31/2028 | T |
| VOL-0630 | | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0630 Generator for Lift Station at 507 N. Clyde Morris Blvd. | HMGP | | 3/16/2023 | 12/31/2028 | T |
| VOL-0631 | | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0631 Generator for Lift Station at 510 Ora Street | HMGP | | 3/16/2023 | 12/31/2028 | T |
| VOL-0632 | | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0632 Generator for Lift Station at 433 Auburn Drive | HMGP | | 3/16/2023 | 12/31/2028 | T |
| VOL-0633 | | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0633 Generator for Lift Station at 1317 Avenue D | HMGP | | 3/16/2023 | 12/31/2028 | T |
| VOL-0634 | | Daytona Beach | City Manager's Office | All Hazard | PP P | VOL-0634 Generator for Lift Station at310 Yorktown Drive | HMGP | | 3/16/2023 | 12/31/2028 | T |
| VOL-0635 | Ian (8) | DAB Shores | Finance Department | All Hazard | P PP S ES | VOL-0634 Multipurpose Saferoom | HMGP | $3,997,770.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0636 | Ian (23) | DAB Shores | Finance Department | All Hazard | P PP S ES | VOL-0636 Generator for Community Center | HMGP | $120,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0637 | | | | | | | | | | | |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL- 0638 | | | | | | | | | | | |
| VOL- 0639 | | Volusia County | Public Works/Utilities Priority 1 | Flood | P PP S | Two (2) By-Pass Pumps and Slipline 5,225 linear feet of Sanitary Sewer Pipes for Stone Island | HMGP | $426,950.00 | 3/17/2023 | 12/31/2028 | W |
| VOL- 0640 | Ian (25) | Volusia County | Public Works/Utilities | Flood | P PP S | Slipline 20,800 linear feet of Sanitary Sewer Pipes within the Southwest Service Area (DeBary) | HMGP | $891,240.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0641 | Ian (20) | Volusia County | Public Works/Utilities | Flood | P PP S | Six (6) Permanent Sanitary Sewer Emergency Bypass Pumping Systems | HMGP | $495,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0642 | | | | | | | | | | | |
| VOL- 0643 | | | | | | | | | | | |
| VOL- 0644 | Ian (13) | Town of Pierson | Town Clerk | All hazards | P PP S | Two (2) Generators for New EOC Command Center (Administrative Offices & Cafeteria Building) | HMGP | $160,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0645 | Ian (4) | Port Orange | Public Works | Flood | P PP | Demolition and Reconstruction of 4 Flood-Prone Homes | HMGP | $1,048,204.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0646 | Ian (26) | Deltona | City Manager's Office | All Hazards | P PP | Centro Internacional De La Familia Generator | HMGP | $450,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0647 | Nicole (5) | Port Orange | Public Works | Flood | P PP | Elevation of 9 Flood-Prone Homes | HMGP | $2,890,736.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0648 | Nicole (6) | Port Orange | Public Works | Flood | P PP | Acquisition of 7 Flood-Prone Homes | HMGP | $2,883,705.00 | 3/17/2023 | 12/31/2028 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL- 0649 | Nicole (34) | Port Orange | Public Works | Flood | P PP | Demolition and Reconstruction of 1 Flood-Prone Home | HMGP | $198,795.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0650 | Nicole (7) | Port Orange | Public Works | Flood | P PP | Elevation of 5 Flood-Prone Homes | HMGP | $2,352,111.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0651 | Nicole (10) | New Smyrna Beach | Engineering Department | Flood | P PP | Elevation of 5 Flood-Prone Homes | HMGP | $1,463,589.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0652 | Nicole (33) | New Smyrna Beach | Engineering Department | Flood | P PP | Demolition and Reconstruction of 1 Flood-Prone Home | HMGP | $455,891.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0653 | Nicole (15) | Deltona | City Manager's Office | Flood | P PP | Elevation of 2560 West Tulsa Drive | HMGP | $378,530.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0654 | Nicole (9) | Deltona | City Manager's Office | All Hazards | P PP ES | City Hall Permanent Generator | HMGP | $1,500,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0655 | Nicole (8) | Deltona | City Manager's Office | Flood | P PP | Elevation of 6 Flood-Prone Homes | HMGP | $2,252,066.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0656 | Nicole (32) | Deltona | City Manager's Office | Flood | P PP | Demolition and Reconstruction of 2890 Blackburn Avenue | HMGP | $536,008.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0657 | Nicole (25) | Orange City | Public Works | Flood | P PP | Mill Lake Stormwater Pump Station Improvements | HMGP | $800,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0658 | Nicole (11) | Daytona Beach Shores | Public Works | Flood | P PP | Generators of Lift Stations #7, #9, and #10 | HMGP | $532,380.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0659 | Nicole (22) | Daytona Beach Shores | Executive Department | All Hazards | P PP | Hurricane Shutters for City Hall | HMGP | $100,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0660 | Nicole (4) | Daytona Beach | Public Works | All Hazards | P PP | Permanent Generators for 14 Sanitary Lift Stations | HMGP | $2,987,250.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0661 | Nicole (31) | Edgewater | Environmental Services | Flood | P PP | Rehabilitation of Lift Station #4 | HMGP | $400,000.00 | 3/17/2023 | 12/31/2028 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL- 0662 | Nicole (12) | Edgewater | Environmental Services | Flood | P PP | Elevation of 103 Carlson Cove | HMGP | $ 688,500.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0663 | | | | | | | | | | | |
| VOL- 0664 | Nicole (20) | Holly Hill | Public Works | Flood | P PP | Bypass Pump for Lift Station #11 | HMGP | $125,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0665 | Nicole (21) | Holly Hill | Public Works | Flood | P PP | Bypass Pump for Lift Station #14 | HMGP | $125,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0666 | Nicole (23) | Holly Hill | Public Works | Flood | P PP | Bypass Pump for Lift Station #16 | HMGP | $100,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0667 | Nicole (35) | Ormond Beach | Public Works | Flood | P PP | Elevate 40 Sandalwood Lane 1 Flood-Prone Home | HMGP | $551,224.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0668 | Nicole (11) | South Daytona | Public Works | Flood | P PP | Sanitary Sewer Lining in Flood Prone Areas | HMGP | $750,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL- 0669 | Nicole (27) | South Daytona | Public Works | Flood | P PP | Stormwater Lining in Flood Prone Areas | HMGP | $750,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0670 | Nicole (19) | Volusia County | Emergency Management | Flood | P PP | Elevation of 465 Palm Avenue | HMGP | $157,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0671 | Nicole (14) | Volusia County | Emergency Management | Flood | P PP | Elevation of 1048 Shockney Drive | HMGP | $418,060.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0672 | Nicole (30) | Volusia County | Emergency Management | Flood | P PP S | Demolition and Reconstruction of 1052 Shockney Drive | HMGP | $400,532.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0673 | Nicole (18) | Volusia County | Emergency Management | Flood | P PP | Elevation of 1092 Peninsula Drove | HMGP | $250,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0674 | Nicole (24) | Volusia County | Emergency Management | Flood | P PP | Elevation of 1100 Mary Avenue | HMGP | $245,980.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0675 | Nicole (16) | Volusia County | Emergency Management | Flood | P PP | Elevation of 225 Brandy Court | HMGP | $318,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0676 | Nicole (17) | Volusia County | Emergency Management | Flood | P PP | Elevation of 1013 Shockney Drive | HMGP | $272,403.00 | 3/17/2023 | 12/31/2028 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0677 | Nicole (29) | Edgewater | Environmental Services | Flood | P PP | Rehabilitation of 5 Lift Station with Emergency Bypass Pumps | HMGP | $525,000.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0678 | Nicole (28) | Volusia County | Emergency Management | Flood | P PP | Demolition and Reconstruction of 457 Palm Avenue | HMGP | $552,500.00 | 3/17/2023 | 12/31/2028 | C |
| VOL-0679 | Idalia (12) | South Daytona | Public Works | Flood | P PP | Reed Canal Stormwater Control Facility Expansion, Flood Risk Reduction | HMGP | $4,000,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0680 | Idalia (10) | South Daytona | Public Works | Flood | P PP | Lantern Park Stormwater Ponds, Flood Risk Reduction | HMGP | $3,500,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0681 | Idalia (11) | South Daytona | Public Works | Flood | P PP | Melodie Park Stormwater Pond, Flood Risk Reduction | HMGP | $3,500,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0682 | Idalia (6) | South Daytona | Public Works | Flood | P PP | Park of Honor Stormwater Pond, Flood Risk Reduction | HMGP | $1,000,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0683 | Idalia (13) | South Daytona | Public Works | Flood | P PP | Pike and Bishop Court Stormwater Improvements, Flood Risk Reduction | HMGP | $4,250,000.00 | 31/2024 | 3/1/2029 | C |
| VOL-0684 | Idalia (9) | South Daytona | Public Works | Flood | P PP | Reed Canal Park Pond Expansion, Flood Risk Reduction | HMGP | $2,000,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0685 | Idalia (14) | South Daytona | Public Works | Flood | P PP | Stevens Canal Bank Stabilization, Flood Risk Reduction | HMGP | $6,500,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0686 | Idalia (5) | South Daytona | Public Works | Flood | P PP | Stormwater pipelining project within the Golfview Subdivision | HMGP | $750,000.00 | 3/1/2024 | 3/1/2029 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL -0687 | Idalia (2) | Deltona | City Manager's Office | Flood | P PP | Acquisition and Demolition of 3101 Riverhead Drive | HMGP | $405,143.00 | 3/1/2024 | 3/1/2029 | C |
| VOL -0688 | Idalia | Deltona | City Manager's Office Flood | | | East Brook Drainage Improvements | HMGP | $917,804.00 | 3/1/2024 | 3/1/2029 | T |
| VOL-0689 | Idalia (4) | Edgewater | Environmental Services | Flood | P PP | City of Edgewater, Rehabilitation of Lift Stations #12, #23, #24, #46, #59 with Emergency Bypass Pumps | HMGP | $650,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0690 | Idalia (3) | New Smyrna Beach | Engineering | Flood | P PP | Elevation of 2 Flood Prone Homes | HMGP | $515,661.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0691 | Idalia (7) | New Smyrna Beach | Engineering | Flood | P PP | Elevate 1 Flood-Prone Home | HMGP | $683,958.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0692 | Idalia | New Smyrna Beach | Engineering | Flood | | New Smyrna Beach Fire Station #53 Generator | HMGP | $ 682,000.00 | 3/1/2024 | 3/1/2029 | T |
| VOL-0693 | Idalia (8) | Port Orange | Public Works | Flood | P PP | Acquire and Demolish 3 Single Family Residence Homes | HMGP | $1,348,360.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0694 | Idalia (1) | Volusia County | Fire Services | All Hazards | P PP | Generator for Fire Station #41 | HMGP | $130,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0695 | Idalia (15) | Daytona Beach Shores | Public Works | Flood | P PP | Sewer Improvements and Retrofit North of Dunlawton Ave. | HMGP | $4,628,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL -0696 | Idalia (16) | City of Oak Hill | Public Works | Flood | P PP | 175 N US Hwy 1 improvements | HMGP | $2,903,765.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0697 | Idalia (17) | City of Oak Hill | Public Works | Flood | P PP | Ariel Canal improvements | HMGP | $3,560,819.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0698 | Idalia (18) | City of Oak Hill | Public Works | Flood | P PP | Bills Hills Canal Improvements | HMGP | $10,198,906.00 | 3/1/2024 | 3/1/2029 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0699 | Idalia (19) | City of Oak Hill | Public Works | Flood | P PP | Turnbull Hammock Improvements | HMGP | $2,039,374.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0700 | Idalia (20) | City of Oak Hill | Public Works | Flood | P PP | Cummings Street Improvements | HMGP | $1,328,299.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0701 | Idalia | Volusia County | Coastal Division | Flood | P PP | Dunlawton Restroom and Vehicular Beach Access Ramp Resiliency | HMGP | $ 2,500,000.00 | 3/1/2024 | 3/1/2029 | T |
| VOL-0702 | Idalia (21) | Volusia County | Emergency Management | Flood | P PP | Retreat and Relocation of Silver Beach Restroom Building | HMGP | $450,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0703 | Idalia (22) | Volusia County | Emergency Management | Flood | P PP | Elevation - 449 Palm Ave, Ormond Beach | HMGP | $438,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0704 | Idalia (23) | Volusia County | Emergency Management | Flood | P PP | Acquisition – 1035 S. Glencoe Rd., New Smyrna Beach | HMGP | $700,000.00 | 3/1/2024 | 3/1/2029 | C |
| VOL-0705 | | Edgewater | Environmental Services | Flood | P PP | Rehabilitation of Lift Station #13, #14, #15, #16 with Emergency Bypass Pumps | | $850,000.00 | 12/13/2024 | 12/13/2029 | C |
| VOL-0706 | | Edgewater | Environmental Services | Flood | P PP | Rehabilitation of Lift Station #19, #26, #30, #38 with Emergency Bypass Pumps | | $850,000.00 | 12/13/2024 | 12/13/2029 | C |
| VOL-0707 | | Edgewater | Environmental Services | Flood | P PP | Rehabilitation of Lift Station #40, #42, #51 with Emergency Bypass Pumps | | $635,000.00 | 12/13/2024 | 12/13/2029 | C |
| VOL-0708 | | South Daytona | Public Works | Flood | P PP | South Daytona Oriole Lane/Kenilworth Avenue Pond | | $ 2,500,000.00 | 12/13/2024 | 12/13/2029 | C |

| Project # | Priority | Jurisdiction | Responsible Organization | Hazard(s) | Mitigation Technique Category | Initiative | Funding | Est. Cost | Approved by LMS Working Group | Anticipated Completion Date | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VOL-0709 | | South Daytona | Public Works | Flood | P PP | South Daytona Green Street/Brian Avenue Pond | | $ 2,500,000.00 | 12/13/2024 | 12/13/2029 | C |

Source: Volusia County Emergency Management

# SECTION 10 – PLAN MAINTENANCE PROCEDURES

**44 CFR Requirement**

***44 CFR Part201.6(c)(4)(i):***
The plan shall include a plan maintenance process that includes a section describing the method and schedule of monitoring, evaluating and updating the mitigation plan within a five-year cycle.

***44 CFR Part 201.6(c)(4)(ii):***
The plan maintenance process shall include a process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

This section of the Plan discusses how the Mitigation Strategy and Mitigation Action Plan will be implemented and how the LMS will be evaluated and enhanced over time. This section also discusses how the public will continue to be involved in a sustained hazard mitigation planning process. It consists of the following three subsections:

- **Implementation**
- **Monitoring, Evaluation and Enhancement**
- **Continued Public Involvement**

## 10.1 IMPLEMENTATION

Each agency, department or other partners participating under the Volusia County Multi-Jurisdictional LMS is responsible for implementing specific mitigation actions as prescribed in the Mitigation Action Plan. Every proposed action listed in the Mitigation Action Plan is assigned to a specific “lead” agency or department in order to assign responsibility and accountability and increase the likelihood of subsequent implementation.

In addition to the assignment of a local lead department or agency, an implementation time period or a specific implementation date has been assigned in order to assess whether actions are being implemented in a timely fashion. Volusia County and its participating jurisdictions and partners will seek outside funding sources to implement mitigation projects in both the pre-disaster and post-disaster environments. When applicable, potential funding sources have been identified for proposed actions listed in the Mitigation Action Plan.

Volusia County will integrate this Mitigation Plan into relevant County government decision making processes or mechanisms. This includes integrating the Mitigation Plan requirements into other local planning documents, processes or mechanisms, such as comprehensive or capital improvement plans, when appropriate. Members of the LMS Working Group will ensure that the goals and strategies of new and updated local planning documents for their agencies or departments are consistent and do not conflict with the goals and actions of the LMS and will not contribute to increased hazard vulnerability in the County.

Opportunities to integrate the requirements of this Plan into other local planning mechanisms shall continue to be identified through future meetings of the LMS Working Group and through the five-year review process described herein. Although it is recognized that there are many possible benefits to integrating components of this Plan into other local planning mechanisms, the development and maintenance of this stand-alone Mitigation Plan is deemed by the Volusia County LMS Working Group to be the most effective and appropriate method to implement local hazard mitigation actions at this time.

## 10.2 MONITORING, EVALUATION AND ENHANCEMENT

Periodic revisions and updates of the LMS are required to ensure that the goals of the Plan are kept current and account for potential changes in hazard vulnerability and mitigation priorities. In addition, revisions may be necessary to ensure that the Plan is in full compliance with applicable federal and state regulations. Periodic evaluation of the Plan will also ensure that specific mitigation actions are being reviewed and carried out according to the Mitigation Action Plan.

The Volusia County LMS Working Group and public participants will continue to meet at least annually and following any disaster events warranting a reexamination of the mitigation actions being implemented or proposed for future implementation. This will ensure that the Plan is continuously updated to reflect changing conditions and needs within Volusia County. If determined appropriate or as requested, an annual report on the Plan will be developed and presented to the Volusia County Council in order to report progress on the actions identified in the Plan and to provide information on the latest legislative requirements and/or changes to those requirements.

The LMS Coordinator, Volusia County Emergency Management Planner II, will be responsible for tracking and monitoring any changes or evaluations the LMS Working Group review and vote on as a committee.

### 10.2.1 Five (5) Year Plan Review

The Plan will be thoroughly reviewed by the LMS Working Group every five years to determine whether there have been any significant changes in Volusia County that may, in turn, necessitate changes in the types of mitigation actions proposed. New development in identified hazard areas, increased exposure to hazards, the increase or decrease in capability to address hazards, and changes to federal or state legislation are examples of factors that may affect the necessary content of the Plan.

The plan review provides Volusia County officials with an opportunity to evaluate those actions that have been successful and to explore the possibility of documenting potential losses avoided due to the implementation of specific mitigation measures. The plan review also provides the opportunity to address mitigation actions that may not have been successfully implemented as assigned. Volusia County Emergency Management Services department will be responsible for reconvening the LMS Working Group and conducting the five-year review.

During the five-year plan review process, the following questions will be considered as criteria for assessing the effectiveness and appropriateness of the Plan:

- Do the goals address current and expected conditions?
- Has the nature or magnitude of risks changed?
- Are the current resources appropriate for implementing the Plan?

- Are there implementation problems, such as technical, political, legal or coordination issues with other agencies?

- Have the outcomes occurred as expected?
- Did the County and participating agencies and other partners participate in the plan implementation process as assigned?

Following the five-year review, any revisions deemed necessary will be summarized and implemented according to the reporting procedures and plan amendment process outlined herein. Upon completion of the review and update/amendment process, the Volusia County LMS will be submitted to the State Hazard Mitigation Officer at the Florida Division of Emergency Management (FDEM) for final review and approval in coordination with the Federal Emergency Management Agency (FEMA).

**5-Year Update Summary**
**Review Group Lead as of 2024:** Aubrie Austin, Volusia County Emergency Management
**Review Group Name:** Volusia Prepares Working Group (see members in Section 2).
**Interim LMS Review:** LMS can be reviewed or commented on at any quarterly Volusia Prepares Meeting
**2030 Review Date:** The Volusia Prepares group will begin review no less than 365 days before the 2030-35 plan submittal date. This will ensure ample time to hire a contractor to complete the plan with all necessary community and municipal outreach completed.
**Review Forum:** Volusia Prepares Working Group Meetings (Quarterly)

### 10.2.2 Disaster Declaration

Following a disaster declaration, the Volusia County LMS will be revised as necessary to reflect lessons learned, or to address specific issues and circumstances arising from the event. It will be the responsibility of the Volusia County Emergency Management Services Division to reconvene the LMS Working Group and ensure the appropriate stakeholders are invited to participate in the plan revision and update process following declared disaster events.

### 10.2.3 Reporting Procedures

The results of the five-year review will be summarized by the LMS Working Group in a report that will include an evaluation of the effectiveness of the Plan and any required or recommended changes or amendments. The report will also include an evaluation of implementation progress for each of the proposed mitigation actions, identifying reasons for delays or obstacles to their completion along with recommended strategies to overcome them.

### 10.2.4 Plan Amendment Process

Upon the initiation of the amendment process, Volusia County and its participating jurisdictions and partners will forward information on the proposed change(s) to all interested parties including, but not limited to, all directly affected County departments, residents, and businesses. Information will also be forwarded to the Florida Division of Emergency Management. This information will be disseminated in order to seek input on the proposed amendment(s) for not less than a 45-day review and comment period.

At the end of the 45-day review and comment period, the proposed amendment(s) and all comments will be forwarded to the LMS Working Group for final consideration. The committee will review the proposed

amendments along with the comments received from other parties, and, if acceptable, the committee will submit a recommendation for the approval and adoption of changes to the Plan to the Volusia County Council within 60 days.

In determining whether to recommend approval or denial of a Plan amendment request, the following factors will be considered by the LMS Working Group:

- There are errors, inaccuracies or omissions made in the identification of issues or needs in the Plan;
- New issues or needs have been identified which are not adequately addressed in the Plan;
- There has been a change in information, data, or assumptions from those on which the Plan is based.

Upon receiving the recommendation from the LMS Working Group and prior to adoption of the Plan, the County will hold a public hearing if deemed necessary. The Volusia County Council will review the recommendation from the LMS Working Group (including the factors listed above) and any oral or written comments received at the public hearing. Following that review, the County Council will take one of the following actions:

- Adopt the proposed amendments as presented
- Adopt the proposed amendments with modifications
- Refer to the amendments request back to the LMS Working Group for further revision, or
- Defer the amendment request back to the LMS Working Group for further consideration and/or additional hearings

### 10.2.5 Plan Integration

It is recommended that the findings from the LMS be integrated into individual jurisdictional plans to demonstrate the commitment to reducing hazard risk. Individual jurisdictions have been utilizing these findings in a variety of ways, such as identifying high risk areas through vulnerability assessments and incorporating the LMS project list into jurisdictional capital improvement plans.

There are opportunities for Volusia County and its jurisdictions to integrate the LMS into more specific plans. There are various reasons why hazards have profound impacts on the community. Potential causes of hazards that have been identified by members of the community include, but are not limited to:

- Inadequate maintenance of storm drains, lift stations, and canals
- Insufficient maintenance of stormwater retention and detention systems
- Encroachment upon or reduction of conservation areas
- Loss of vegetation and tree cover
- Increased impervious surface coverage, such as new residential dwellings and parking lots
- Severe rain events occurring on already saturated ground (e.g., Hurricanes Milton and Ian)
- Severe coastal erosion due to stronger and more frequent storm events
- Inadequate or antiquated stormwater retention and detention infrastructure in development
- Outdated or poorly designed stormwater conveyance systems
- Impacts from climate change, such as sea level rise

These concerns are multifaceted and require that findings of the LMS be integrated into existing plans in each participating jurisdiction. To provide the most effective hazard mitigation for Volusia County and its jurisdictions, local plans should address these concerns and dedicate resources to solving them.

Several measures are currently under consideration to reduce hazard risk in Volusia County and its jurisdictions. In June 2023, Volusia County's Environment and Natural Resources Advisory Committee (ENRAC) recommended a hybrid approach to Low Impact Development. County Council directed staff and ENRAC to create a voluntary LID program with incentives that October. The subsequent LID program was created, and final decision is anticipated in Spring/Summer 2025. Updates to individual jurisdictions' stormwater ordinances are also forthcoming for review and potential approval. Additional mitigation strategies include infrastructure retrofits to improve stormwater management and strategic land-use planning to assess the suitability of future development.

Addressing hazard mitigation requires collaboration among policymakers, engineers, planners, and resilience experts. Local governments, alongside regional partners such as the East Central Florida Regional Planning Council, have access to technical expertise and data-driven recommendations to guide decision-making. It is critical to assess and implement these expert recommendations to enhance community resilience and reduce future hazard impacts. See Section 8 for further details on mitigation strategies.

Moving forward, it will be the responsibility of the LMSWG representatives from each participating jurisdiction to continue to determine and pursue opportunities for integrating the findings, requirements, and strategies of this plan with other local planning documents. The LMSWG is also responsible for ensuring that the goals and strategies of new and updated local planning documents for their jurisdictions or agencies are consistent with the goals and actions of the Local Mitigation Strategy and will not contribute to increased hazard vulnerability in the planning area. Methods for integration may include: Monitoring other planning/program agendas; Attending other planning/program meetings; Participating in other planning processes; and Monitoring community budget meetings for other community program opportunities.

Many identified mitigation initiatives are capital projects, the implementation of which is usually dependent upon the availability of funding. When such initiatives are prioritized, and funding is sought, each jurisdiction will comply with its existing rules regarding inclusion of projects in its Capital Improvement Plan or other budget and planning processes and documents.

Opportunities to integrate the requirements of this plan into other local planning mechanisms shall continue to be identified through future meetings of the LMSWG and through the five-year review process described herein. Although it is recognized that there are many possible benefits to integrating components of this plan into other local planning mechanisms, the development and maintenance of this stand-alone Local Mitigation Strategy is deemed by the LMSWG to be the most effective and appropriate method to implement local hazard mitigation actions at this time.

## 10.3 CONTINUED PUBLIC INVOLVEMENT

**44 CFR Requirement**

***44 CFR Part 201.6(c)(4)(iii):***
The plan maintenance process shall include a discussion on how the community will continue public participation in the plan maintenance process

Public participation is an integral component to the mitigation planning process and will continue to be essential as this Plan evolves over time. As described above, significant changes or amendments to the Plan shall require a public hearing prior to any adoption procedures.

Other efforts to involve the public in the maintenance, evaluation and revision process will be made as necessary. These efforts may include:

- Advertising meetings of the LMS Working Group in local newspapers, social media public bulletin boards and/or County office buildings
- Designating willing and voluntary citizens and private sector representatives as official members of the LMS Working Group
- Utilizing local media to update the public of any maintenance and/or periodic review activities taking place
- Utilize social media for education on mitigation efforts and funding opportunities
- Utilizing the Volusia County website to advertise any maintenance and/or periodic review activities taking place, and
- Keeping copies of the Plan in public libraries
- Provide mitigation education and information on the LMS committee at public presentations and events
- Continue to engage with Transform 386, the Volusia County Recovery and Resiliency Division on helping the low socio-economic community members
- Continuing to engage the Community Rating System Program for Public Information activities

# APPENDIX A: BYLAWS OF "VOLUSIA PREPARES"

**Bylaws of "Volusia Prepares"**
**The Volusia County Local Mitigation Strategy Steering Committee**

## ARTICLE I: PURPOSES OF THE TASK FORCE

The purpose of the Volusia County Local Mitigation Strategy Task Force, otherwise known as "Volusia Prepares", is to decrease the vulnerability of the citizens, governments, businesses and institutions of Volusia County to the future human, economic and environmental costs of natural, technological, and societal disasters. The Task Force will develop, monitor, implement, and maintain a comprehensive plan for hazard mitigation which will be intended to accomplish this purpose.

## ARTICLE II: MEMBERSHIP

Participation in Volusia Prepares is voluntary by all entities. Membership in Volusia Prepares is open to all jurisdictions, organizations and individuals supporting its purposes

## ARTICLE III: ORGANIZATIONAL STRUCTURE

The organizational structure of Volusia Prepares shall consist of a Steering Committee and subcommittees as deemed necessary by the Steering Committee.

### *A. The Steering Committee*

Volusia Prepares shall be guided by a Steering Committee consisting of designated representatives of the following:

- One representative from the government of Volusia County and each participating incorporated municipality,
- One representative from organizations and associations representing key business, industry, and community interest groups of Volusia County, and
- Other such individuals appointed by a majority vote of the Steering Committee.

Members of the Steering Committee will be designated by formal appointment or other action to serve as the official representative and spokesperson for the jurisdiction or organization regarding the activities and decisions of Volusia Prepares. To maintain good standing, members of the Steering Committee must not have more than two unexcused absences from meetings during the course of a year. Three or more unexcused absences during the course of one calendar year may result in HMGP grant funding ineligibility for those jurisdiction(s) during the next Presidentially declared disaster.

### *B. Subcommittees*

Volusia Prepares may have permanent and/or temporary subcommittees as deemed necessary by the Steering Committee. Membership in the subcommittees is not restricted. There are no requirements for individuals to maintain good standing as members of a permanent or temporary subcommittee.

### *C. Program Staff*

The Volusia County Emergency Management Division, or other agency as so designated by the Steering Committee, will serve as the program staff for Volusia Prepares, and assist in the coordination and support of Volusia Prepares activities.

## ARTICLE IV: OFFICERS

Any member in good standing of the Steering Committee is eligible for election as an officer. The Steering Committee will have a chair elected by a majority vote of a quorum of the members. The Steering Committee will also elect by majority vote a vice chair. Representatives of both local government and any participating private sector organizations will be eligible for election as an officer. Each will serve a term of one year, and be eligible for re-election for an unlimited number of terms. The chair and vice chair of the Steering Committee are also considered to be chair and vice chair of Volusia Prepares.

The chair of the Steering Committee will preside at each meeting of the Steering Committee, as well as establish temporary subcommittees and assign personnel to them. The vice chair will fulfill the duties and responsibilities of the chair in his or her absence.

The chair of each permanent or temporary subcommittee will be designated from the members in good standing of the Steering Committee by its chair, and will serve at the pleasure of the chair of the Steering Committee.

## ARTICLE V: RESPONSIBILITIES

### *A. Steering Committee*

The Steering Committee will be responsible for oversight and coordination of all actions and decisions by the Task Force, and is solely responsible for formal actions in the name of Volusia Prepares, including the release of reports, development of resolutions, issuance of position papers, and similar activities. The Steering Committee makes assignments to the subcommittees, coordinates their work, and takes action on their recommendations. Their goal is to make Volusia County disaster resistant by preventing or reducing the personal and economic loss from natural or man-made hazards through a partnership between government, businesses, organizations, associations, and citizens.

Objectives:

1. Keep the Volusia County Local Mitigation Strategy (LMS) document current (incorporating new projects, objectives, and goals).
2. Develop and maintain overall policies and procedures and integrate priorities of mitigation efforts.
3. Facilitate comprehensive effectiveness by coordinating with subcommittees.
4. Vote on proposed action plans and initiatives.
5. Develop a strategy to constantly identify and recruit new partners.
6. Develop a systematic method to share knowledge and market the need for being disaster resistant.
7. Promote accomplishments to elected officials and community.

### *B. Subcommittees*

If established by the Steering Committee, subcommittees will have responsibilities as assigned by the Steering Committee members.

***C. Program Staff***

Technical, clerical and other types of support activities to the Steering Committee and subcommittees will be provided through the Volusia County Emergency Management Division or other agency or organizational staff as designated by the Steering Committee. The Steering Committee will also designate an agency of Volusia County to serve as the legal representative and agent of Volusia Prepares, and to be empowered under County statutes to accept and disburse funds, enter into contracts, hire staff, and take such other actions as necessary in support of, or for the benefit of, the Task Force. Other jurisdictions and organizations may also provide such services on a voluntary basis upon request of the chair of the Steering Committee.

## ARTICLE VI: ACTIONS BY THE TASK FORCE

***A. Authority for Actions***

Only the Steering Committee has the authority to take final actions in the name of Volusia Prepares. Actions by subcommittees or program staff are not considered as final until affirmed by action of the Steering Committee.

***B. Meetings, Voting and Quorum***

Meetings of the Steering Committee and its subcommittees will be conducted in accord with Robert's Rules of Order, if and when deemed necessary by chair of the meeting. Regular meetings of the Steering Committee will be scheduled at least quarterly with a minimum of 10 working days' notice. Subcommittees will meet at least quarterly prior to Steering Committee meetings, or more frequently as deemed necessary, at the discretion of their chairperson.

All final actions and decisions made in the name of Volusia Prepares will be by affirmative vote of a quorum of the Steering Committee. A quorum shall be 50 percent of the members of the Steering Committee in good standing at the time of the vote. Each member of the Steering Committee will have one vote. Voting by proxy, written or otherwise, is permitted.

***C. Special Votes***

Special votes may be taken under emergency situations or when there are other extenuating circumstances as determined by the chair and/or vice chair of the Steering Committee. Special votes may be made by telephone, email, webinar, or any electronic means, or first class mail, and shall be in accord with all applicable quorum rules for such actions.

***D. Public Hearings***

When required by statute or the policies of Volusia County, or when deemed necessary by the Steering Committee, a public hearing regarding actions under consideration for implementation by Volusia Prepares will be held.

***E. Documentation of Actions***

All meetings and other forms of action by the Steering Committee and permanent subcommittees (if established) will be documented and made available for inspection by the public.

### ARTICLE VII: ADOPTION OF AMENDMENTS AND CHANGES TO THE BYLAWS AND *"VOLUSIA PREPARES"* LOCAL MITIGATION STRATEGY DOCUMENT

The Bylaws of Volusia Prepares and the *"Volusia Prepares"* Local Mitigation Strategy document may be adopted and/or amended by a two-thirds majority vote of the members in good standing of the Steering Committee at any time. All proposed changes to the bylaws and *"Volusia Prepares"* Local Mitigation Strategy document will be provided to each member of the Steering Committee prior to voting on the proposed changes. Routine changes, additions, deletions, and deferment of mitigation initiatives and any other changes to the document may be made at any time by majority vote. Voting may be by telephone, email, webinar, or any electronic means, or first class mail. A 45-day public review and comment period shall apply to the five-year FEMA required update of the *"Volusia Prepares"* LMS Document.

### ARTICLE VIII: DISSOLUTION OF THE TASK FORCE

The Task Force may be dissolved by affirmative vote of 100% of the members in good standing of the Steering Committee at the time of the vote, by order of a court of competent jurisdiction, and/or by instruction of the Volusia County governing body. At the time of dissolution, all remaining documents, records, equipment and supplies belonging to the Task Force will be transferred to Volusia County for disposition.

# APPENDIX B: LOCAL MITIGATION STRATEGY CROSSWALK

## 2023 Florida Local Mitigation Strategy (LMS) Crosswalk

| DESCRIPTION: |
|---|
| The Florida Local Mitigation Strategy (LMS) Crosswalk is informed by the FEMA Local Mitigation Planning Policy Guide (effective April 19, 2023). Each requirement listed below is a required Element of the FEMA Policy Guide. There is a difference in formatting when comparing the FL Crosswalk with FEMA's Policy Guide Elements. This is to prevent the possibility of skipping various components of each FEMA requirement. You will notice the specific FEMA requirement is listed in parenthesis next to each FL Crosswalk Element (e.g., P1 in the FL Crosswalk is equivalent to FEMA Element A1-a). As such, multiple FL Crosswalk Elements may correspond to the same FEMA Element. |

| INSTRUCTIONS: |
|---|
| Enter the requested information in each field below:<br>1) In the FL Crosswalk Tab, please identify the "Location in Plan" using the corresponding page numbers for each requirement.<br>2) In the Jurisdiction Checklist Tab, please add each of the "participating" jurisdictions.<br><br>*Please do not edit the following sections: *Met, Not Met, Reviewer Comments* . If revisions are required, the State reviewer will put revisions in the Required Revisions section. As revisions are made, please feel free to add comments about the revisions in the same section. **Do not remove any State comments.**<br>*Additionally, a Project List Template can be found in a separate tab below. |

| | | | |
|---|---|---|---|
| **Jurisdiction:** | Volusia County | **Title of Plan:** | Volusia County Multi-Jurisdictional Local Mitigation Strategy |
| **Local Point of Contact:** | Yolanda Buckles | **Address:** | 3825 Tiger Bay Rd., Suite 102, Daytona Beach, FL 32124 |
| **Title:** | Volusia Prepares Coordinator | **Email:** | ybuckles@volusia.org |
| **Agency:** | Volusia County Emergency Management | **Phone Number:** | 386-254-1500 |

mailto:ybuckles@volusia.org - Click once to follow. Click and hold to select this cell.

| | |
|---|---|
| **State Reviewers:** | |
| **Date Received by FDEM:** | |
| **Date Plan Not Approved:** | |
| **Date Plan APA:** | |
| **Date Plan Approved:** | |

| Planning Process (FEMA Element A) | | Location in Plan | Met | Not Met | Reviewer Comments | Required Revisions |
|---|---|---|---|---|---|---|
| **P1 (A1-a)** | The plan must document the current planning process. | Section 2.3-2.6 | | | | |
| **P2 (A1-b)** | The plan must list the jurisdiction(s) in the current plan that will seek approval. | Section 1.3, Section 2.4 (Table 2.1) | | | | |
| **P3 (A1-b)** | The plan must list the representative from **each jurisdiction** that will seek approval and how they participated in the planning process. (At a minimum, it must identify the jurisdiction represented and the person's agency and title within the jurisdiction.) | Section 2.4 (Table 2.1) | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **P4 (A2)** | The plan must provide documentation of an opportunity for stakeholders to be involved in the current planning process. Documentation of this opportunity must identify how **each of the stakeholders** (see below) were presented with this opportunity, as applicable. | Sections 2.4; 2.5; Appendix D | | | | |
| **P5 (A3)** | The plan must document how the public had an opportunity to be involved in the current planning process and what that participation entailed, including how underserved communities and vulnerable populations within the planning area were provided an opportunity to be involved. | Section 2.6; Section 7.4 | | | | |
| **P6 (A4)** | The plan must document what existing plans, studies, reports and technical information were reviewed and how they were incorporated, if appropriate, into the development/update of the plan. | Section 3; Section 6; Section 7.3.; Table 7.1; Section 7.5 | | | | |
| **P7 (A4)** | For jurisdictions with structures for which National Flood Insurance Program (NFIP) coverage is available, regulatory flood mapping products are required to be incorporated, if applicable. Participants may use other jurisdiction-specific materials, including non-regulatory flood mapping products, that improve upon NFIP regulatory flood mapping products. | Section 5.6; Section 6.8 | | | | |

***FEMA Guidance Notes:***

Document means to provide factual evidence for how the participants developed/updated the plan. Documentation may include narrative descriptions, copies of meeting minutes, sign-in sheets, or newspaper articles. Examples of documentation of public involvement/feedback may include, but are not limited to, narratives, materials from open meetings, screenshots of social media postings and/or interactive websites with drafts for public review and comment, questionnaires or surveys through utility bills, etc.

Involvement means being engaged and actively participating in the development of the plan; providing input and directly providing, affecting or editing plan content as the representative of the participating jurisdiction(s) or organization.

Stakeholders include local and regional agencies involved in hazard mitigation activities; agencies that have the authority to regulate development; neighboring communities; representatives of business, academia, and other private organizations; representatives of nonprofit organizations.

An opportunity to be involved in the planning process means that these stakeholders are invited to be engaged or are asked to provide information or input to inform the plan's content.

Public Participation: The opportunity must occur during the plan's development, meaning prior to the plan's submission for formal review. In addition, the plan must document how public feedback was included throughout the planning process.

Examples for P6: state hazard mitigation plan; local plans (such as comprehensive/master/general land use, economic development, capital improvement, affordable housing, resource management, resilience, climate, etc.); and hazard-specific reports and plans (such as Community Wildfire Protection Plans).

## APPENDIX B: LOCAL MITIGATION STRATEGY CROSSWALK

| Risk Assessment (FEMA Element B) | | Location in Plan | Met | Not Met | Reviewer Comments | Required Revisions |
|---|---|---|---|---|---|---|
| R1 (B1-a) | The plan must include a **description** of all natural hazards that can affect the jurisdiction(s) in the planning area and their assets, such as dams, located outside of the planning area. | Section 4 | | | | |
| R2 (B1-a) | The plan must provide rationale for the omission of any natural hazards that are commonly recognized to affect the jurisdiction(s) in the planning area. | Section 4 Page 4:5 | | | | |
| R3 (B1-b) | The plan must include information on **location** for each identified hazard. | Section 5 | | | | |
| R4 (B1-c) | The plan must provide the **extent** of the hazards that can affect the planning area. | Section 5 | | | | |
| R5 (B1-d) | The plan must include information on **previous occurrences** for each hazard that affects the planning area. At a minimum, this includes any state and federal major disaster declarations for the planning area since the last update. | Section 5 | | | | |
| R6 (B1-e) | The plan must include the **probability** of future events for the identified hazards that can affect the planning area. | Section 5 | | | | |
| R7 (B1-f) | For multi-jurisdictional plans, when hazard risks differ across the planning area and between participating jurisdictions, the plan must specify the unique and varied risk information for each applicable jurisdiction and their assets outside the planning area. | Section 6; Appendix E; Appendix F | | | | |
| R8 (B2-b) | The plan must describe the potential **impacts** on each participating jurisdiction and its identified assets. | Section 6 | | | | |
| R9 (B2-a) | The plan must describe the **overall vulnerability** of each participant to the identified hazards. | Section 6; Appendix E; Appendix F | | | | |
| R10 (B2-a) | For plan updates, the risk assessment must meet Element E1-a (Changes in Development). | Section 3.5; Section 5.19; Section 7 | | | | |
| R11 (B2-c) | The plan must address repetitively flooded NFIP-insured structures by including the estimated numbers and types (residential, commercial, institutional, etc.) of repetitive/severe repetitive loss properties for **each jurisdiction**. | Section 5.6 | | | | |

***FEMA Guidance Notes:***

Description means to provide a narrative description or definition.

Location is defined as the unique geographic boundaries within the planning area, or assets that may be affected by the identified hazard. If maps are used, provide sufficient detail and scale to clearly identify the hazard locations within and/or affecting assets owned by the participating jurisdiction(s). If narrative descriptions are used, the must contain enough detail to clearly identify the area(s) that will be affected by the hazard.

Extent is defined as the range of anticipated intensities of the identified hazards. Extent is most commonly expressed using various scientific scales. When using scales, the plan must document how the scale applies to each jurisdiction.

## APPENDIX B: LOCAL MITIGATION STRATEGY CROSSWALK

| Mitigation Strategy (FEMA Element C) | | Location in Plan | Met | Not Met | Reviewer Comments | Required Revisions |
|---|---|---|---|---|---|---|
| S1 (C1-a) | The plan must describe how the existing authorities, policies, programs, funding, and resources of **each participant** are available to support the mitigation strategy. This must include a discussion of the existing building codes and land use and development ordinances or regulations. Capabilities may be described in a table or narrative. | Section 7; Table 7.1 | | | | |
| S2 (C1-b) | The plan must describe the ability of **each participant** to expand on and improve the capabilities described in the plan (see S1). | Section 7; Table 7.1 | | | | |
| S3 (C2-a) | The plan must describe participation in the NFIP for **each participant**, as applicable, in accordance with NFIP regulatory requirements (see reviewer notes). | Section 5.6; Section 7 | | | | |
| S4 (C3-a) | The plan must include **goals** to reduce the risk of the identified hazards. | Section 8 | | | | |
| S5 (C4-a) | The mitigation strategy must include an analysis of a comprehensive range of actions or projects that the participants considered to specifically address vulnerabilities identified in the risk assessment. | Section 8.3; Section 8.4 | | | | |
| S6 (C4-b) | **Each plan participant** must identify one or more mitigation actions the participant(s) intends to implement for each hazard addressed in the risk assessment. | Section 9 | | | | |
| S7 (C5-a) | The plan must describe the criteria used for prioritizing the implementation of the actions. The criteria must include an emphasis on the extent to which benefits are maximized, in relation to the associated costs of the action. | Table 8.1; Section 9 | | | | |
| S8 (C5-b) | The action plan must identify who is responsible for administering each action, along with the action's potential funding sources and expected time frames for completion. | Section 9; Table 9.2 | | | | |

***FEMA Guidance Notes:***

Discussion means a narrative or other materials that provide context on a section of the plan. Describing current capabilities provides a rationale for which mitigation projects can be undertaken to address the vulnerabilities identified in the Risk Assessment.

For C1-b: If participants do not have the ability or authority to expand and/or improve their capabilities, the plan must describe the lack of ability or authority.

For C2-a: The following information must be provided for each participant: adoption of NFIP minimum floodplain management criteria via local regulation; adoption of the latest effective Flood Insurance Rate Map (if applicable); Implementation and enforcement of local floodplain management regulations to regulate and permit development in SFHAs; appointment of a designee or agency to implement the addressed commitments and requirements of the NFIP; and description of how participants implement the substantial improvement/substantial damage provisions of their floodplain management regulations after an event. Simply stating "The community will continue to comply with the NFIP" is not sufficient to meet the requirement.

Goals are broad, long-term policy and vision statements that explain what is to be achieved by implementing the mitigation strategy. The goals must be consistent with the hazards identified in the plan. Goals may be presented as general statements applying to more than one hazard, or they may be itemized to each of the identified hazards.

A mitigation action is a measure, project, plan, or activity proposed to reduce current and future vulnerabilities described in the risk assessment. These actions must be achievable and demonstrate how the mitigation activities reduce the risks identified in the risk assessment.

# APPENDIX B: LOCAL MITIGATION STRATEGY CROSSWALK

| Plan Maintenance (FEMA Element D) | | Location in Plan | Met | Not Met | Reviewer Comments | Required Revisions |
|---|---|---|---|---|---|---|
| **M1 (D1-a)** | The plan must describe how the participant(s) will continue to seek public participation after the plan has been approved and during the plan's implementation, monitoring, and evaluation. | Section 10.1 | | | | |
| **M2 (D2-a)** | The plan must identify how, when and by whom the plan will be tracked for implementation over its five-year cycle (**monitoring**). | Section 10.2 | | | | |
| **M3 (D2-b)** | The plan must identify how, when and by whom the plan will be assessed for effectiveness at achieving its stated purpose and goals (**evaluating**). | Section 10.2 | | | | |
| **M4 (D2-c)** | The plan must identify how, when and by whom the plan will be reviewed and revised at least once every five years (**updating**). | Section 10.2 | | | | |
| **M5 (D3-a)** | The plan must describe the community's process to **integrate** the plan's data, information, and hazard mitigation goals and actions into other **planning mechanisms**. | Section 10.2 | | | | |
| **M6 (D3-c)** | A multi-jurisdictional plan must describe **each participant's** individual process for integrating information from the mitigation strategy into their identified planning mechanisms. | Section 10.2 | | | | |
| **M7 (D3-b)** | The plan must identify the local planning mechanisms where hazard mitigation information/actions may be integrated. The identified list of planning mechanisms must be applicable to the plan participant(s) and not contradict the identified capabilities. | | | | | |

***FEMA Guidance Notes:***

For D1-a: The plan may contain a narrative description or an itemized list of steps, demonstrating the prescribed method that will be followed to obtain future public participation.

Monitoring means tracking the implementation of the plan over time. For example, monitoring may include a system for tracking the status of the identified hazard mitigation actions.

Evaluating means assessing the effectiveness of the plan at achieving its stated purpose and goals.

Updating means reviewing and revising the plan at least once every five years.

Integrate means to include hazard mitigation principles, vulnerability information and mitigation actions into other existing community planning to leverage activities that have co-benefits, reduce risk and increase resilience.

Planning mechanisms refer to the governance structures used to manage local land use development and community decision-making.

For a multi-jurisdictional integration plan, this element may be met with a general narrative description if the process is applicable to each of the plan participants; however, any participant who cannot apply the same process as other plan participants must include their unique process for integration.

# APPENDIX B: LOCAL MITIGATION STRATEGY CROSSWALK

| Plan Update (FEMA Element E) | | Location in Plan | Met | Not Met | Reviewer Comments | Required Revisions |
|---|---|---|---|---|---|---|
| U1 (E1-a) | The plan must describe changes in development that have occurred in hazard-prone areas and how they have increased or decreased the vulnerability of **each jurisdiction** since the previous plan was approved. | Section 5.19 | | | | |
| U2 (E2-a) | The plan must describe how it was revised due to a change in priorities for **each jurisdiction**. | Section 8.5 | | | | |
| U3 (E2-b) | The plan must describe the status of all hazard mitigation actions in the previous plan by identifying whether they have been completed or not, for each jurisdiction. | Initiative List | | | | |
| U4 (E2-c) | The updated plan must explain how the jurisdiction(s) integrated information from the mitigation plan into other planning mechanisms, as a demonstration of progress in local hazard mitigation efforts. If information from the previous plan was not integrated into other planning mechanisms, this must be stated. | VA? CIP? | | | | |

***FEMA Guidance Notes:***

Changes in development means recent development, potential development, or conditions that may affect the risks and vulnerabilities of the jurisdictions or shifts in the needs of underserved communities or gaps in social equity. This can also include changes in local policies, standards, codes, regulations, land use regulations and other conditions. If no development changes affected the jurisdiction's overall vulnerability, this must be stated with the plan.

Description of Priorities: A description of priorities is defined by the participant(s). If the participant(s) has no change in priorities since the last approval of the mitigation plan, this must be stated. This can be a narrative or with detailed statements in appropriate sections of the plan.

Actions: For actions that are not complete, the plan must state whether the action is no longer relevant or will be included in the updated action plan.

| Plan Adoption (FEMA Element F) | | Location in Plan | Met | Not Met | Reviewer Comments | |
|---|---|---|---|---|---|---|
| A1 (F1-a) | The jurisdiction must provide documentation of plan adoption, usually a resolution by the governing body or other authority, to receive approval. | Appendix A | | | | |
| A2 (F2-a) | To receive approval, the participants must adopt the plan and provide documentation that the adoption has occurred. | Appendix A | | | | |

***FEMA Guidance Notes:***

Jurisdiction Adoption: **At least one** adoption resolution should be transmitted through the State to FEMA for the LMS Plan to be officially approved. The remaining resolutions may be transmitted as they are completed.

Documentation may be provided in the form of meeting minutes, resolutions, signed letter or any other method to demonstrate that official adoption by the participant has occurred.

Participants that submit their adoption documentation separately from the other multi-jurisdictional plan participants will not receive a new expiration date.

Participating jurisdictions that adopt the plan **more than one year** after Approvable Pending Adoption (APA) status has been issued must either: Validate that their information in the plan remains current with respect to both the risk assessment and their mitigation strategy OR Make the necessary updates before submitting the adoption resolution to FEMA.

## MULTI-JURISDICTION SUMMARY SHEET

**INSTRUCTIONS:** For multi-jurisdictional plans, this Summary Spreadsheet lists each participating jurisdiction, and outlines whether they met each required Element. As jurisdictions adopt the approved plan, Column H will be filled out. This Summary Sheet does not imply that a jurisdiction-specific mitigation plan be developed for each jurisdiction, instead **simply fill in the names and type of each jurisdiction (columns B and C)** participating in the Plan.

| MULTI-JURISDICTIONAL SUMMARY SHEET | | | | | | | |
|---|---|---|---|---|---|---|---|
| # | Jurisdiction Name | Type of Jurisdiction (school board, non-profit, special district, city, town, etc.) | Requirements Met (Y/N) | | | | |
| | | | A. Planning Process | B. Hazard Identification & Risk Assessment | C. Mitigation Strategy | D. Plan Review, Evaluation & Implementation | E. Plan Adoption |
| 1 | County | | X | Y | Y | Y | |
| 2 | Daytona Beach | | Y | Y | Y | Y | |
| 3 | Daytona Beach Shores | | Y | Y | Y | Y | |
| 4 | DeBary | | Y | Y | Y | Y | |
| 5 | DeLand | | Y | Y | Y | Y | |
| 6 | Deltona | | Y | Y | Y | Y | |
| 7 | Edgewater | | Y | Y | Y | Y | |
| 8 | Holly Hill | | Y | Y | Y | Y | |
| 9 | Lake Helen | | Y | Y | Y | Y | |
| 10 | New Smyrna Beach | | Y | Y | Y | Y | |
| 11 | Oak Hill | | Y | Y | Y | Y | |
| 12 | Orange City | | Y | Y | Y | Y | |
| 13 | Ormond Beach | | Y | Y | Y | Y | |
| 14 | Pierson | | Y | Y | Y | Y | |
| 15 | Ponce Inlet | | Y | Y | Y | Y | |
| 16 | Port Orange | | Y | Y | Y | Y | |
| 17 | South Daytona | | Y | Y | Y | Y | |
| 18 | School District | | Y | Y | | | |
| 19 | Advent Health | | Y | Y | | | |
| 20 | Daytona Beach Airport | | Y | Y | | | |

## APPENDIX B: LOCAL MITIGATION STRATEGY CROSSWALK

***This Hazard Review Checklist will be filled out by the FDEM State Reviewers during their review.***

### HAZARD REVIEW CHECKLIST

| Hazard Name | Description of Hazard | Location | Extent | Previous Occurrences (Updated) | Probability | Impacts | Effects of Climate Change | Overall Vulnerability | Jurisdictional Risk Assessment *(Y/N)* |
|---|---|---|---|---|---|---|---|---|---|
| Coastal Erosion | 39 | 39 - names specific areas of the beach | 43 - defined by the erosion rate | 40-41 - description of historical | 43 - Probability defined when you are talking about Loss rates | 164 - 166 | 164 - 166 | 164 - 166 | Y |
| Drought | 44 | 44 | 45 - Drought monitor intensities | 46-47 | 47 - high | 167 - 168 | 167 - 168 | 167 - 168 | Y |
| Cold | 49 | 49 - What areas in Volusia would be impacted by the hazard? | 49 - surface air for 3 or more days | 50 | 49-50 - low | 169 - 171 | 169 - 171 | 169 - 171 | Y |
| Heat | 49 | 49<br>171 High temp risk map | 50 - 3-10 days<br>99+ | None - What was the previous occurrence within the last 5 years? | 50 - low | 169 - 171 | 169 - 171 | 169 - 171 | Y |
| Flood | 52 | p 54 - FIRM map<br>176 - FEMA Hazard Zones | 53 - defines floodplains<br>173 - Advisories | 55-58 | 60 - high | 172 - 176 | 172 - 176 | 172 - 176 | Y |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Storm Surge | 65 | 67 - storm surge map | 65 | 68 | 69 - high Double sentence about sea level rise increase | 179 - 184 | 179 - 184 | 179 - 184 | Y |
| Sea Level Rise | 65 | 65 | 66 - no extent | 68 - nothing since 2016, state so | 69 - low | 179 - 184 | 179 - 184 | 179 - 184 | Y |
| Tsnuamis | 65 | 66 | 66 - no extent | 68 - nothing since 2008 - state so | 69 - low | 179 - 184 | 179 - 184 | 179 - 184 | Y |
| Hail | 72 | 74 - entirety of county - Could this be Volusia County and its Jurisdictions? | what are the advisories? | 76 - 83 | 100 - high | 185 - 187 | 74<br>185 - 187 | 185 - 187 | Y |
| Lightning | 72 | 75 | what are the advisories? | 84 - 87 | 100 - high | 186 - 187 | 74<br>185 - 188 | 186 - 187 | Y |
| Thunderstorms | 72 | 75 | what are the advisories? | 88 - 99 | 100 - high | 187 - 187 | 74<br>185 - 189 | 187 - 187 | Y |
| Tornado | 101 | 103 - uniformly exposed | 101 | 103 - 114 | 116 - high | 188 - 190 | 116<br>188 - 190 | 188 - 190 | Y |
| Tropical Cyclones | 117 | 119 - emphasis on coastal areas | 117 | 120 - 121 | 126 - high | 191 - 199 | 191 - 199 | 191 - 199 | Y |
| Wildland Fire | 127 | 128 - uniformly exposed, WUI map | what constitutes as a wildfire? | 130 - nothing after 2018, state so | 131 - high | 127 in the background has good impacts<br>200 - 203 | 200 - 203 | 201 - 203 | Y |

# Meeting Information

This section of the Volusia Local Mitigation Strategy includes documentation (agendas, sign-in sheets, other items) for the meetings held as part of the planning process. The planning team held four meetings, which are summarized below:

- **Public Kickoff Meeting**
  - September 20, 2024
  - The Working Group's Quarter 3 Meeting was open to the public. This meeting was held at the Volusia County Emergency Operations Center, 3825 Tiger Bay Road. The goal was to begin the public engagement process. The objective was to inform the Working Group and the public on the progress made up to that point and to discuss any updates needed to the priority project list.

- **Public Engagement Meetings**
  - November 25 and 26, 2024
  - Two public meetings were held to inform the public of the planning process and the overall scope of the 2025 Volusia County Local Mitigation Strategy. Maps and a draft plan were provided and general items within the plan were discussed. Special attention was given to community members' needs and recommendations for the plan.

- **Volusia Prepares Meeting and Conclusion Meeting for Public**
  - December 13, 2024
  - The next Local Mitigation Strategy Meeting was held at the Volusia County Emergency Operations Center, 3825 Tiger Bay Road. The purpose of this meeting was to show the jurisdictions and the public the draft plan and obtain comments and feedback.

Documentation for these meetings is found on the following pages of this appendix, including:

- Sign-In Sheets
- Agendas
- Press Releases
- Presentation Slides

**From:** Yolanda Buckles <YBuckles@volusia.org>
**Sent:** Tuesday, September 17, 2024 3:58 PM
**To:** Adam Thornton; Angie Sehenuka; Arden Fontaine; Aubrie Austin; Austin Beeghly; Barton, Justin (BartonJustin@CODB.US); Becky Witte; Benjamin Bartlett; Bobbie King; Boyer, Chris (cjboyer@volusia.k12.fl.us); Cammie Dewey; Michelle Cechowski; Constance Bentley; Corry Brown; Cruz, Stewart (scruz@cityofdbs.org); Dan Lugo; Elizabeth Caison; Fegley, Kyle (KFegley@cityofnsb.com); Grebosz, Mike (Greboszm@deland.org); Hamstra, David (david@pegasusengineering.net); Hank Baker; Hilton, Tyna Lynn (thilton@CITYOFEDGEWATER.ORG); Houle, Sue (shoule@deltonafl.gov); Irwin, Lory (lirwin@cityofdbs.org); J Gleason; Jeff Alberts; Jerome Adams; Jessica Fentress; Jill Hemmerlein; Jim Cannon; Jim Peterson; John Widick; Jonathan McKinney; Juengst, Steven (sjuengst@hollyhillfl.org); Karen Feaster; Long, Ronnie (OC); Margaret Tomlinson; Mark Bell; Michael Ulrich; Mike McMunigle; Miller, Jeff (jmiller@hollyhillfl.org); Moisio, Loretta (moisio@ormondbeach.org); Moses, Kieu (mosesk@deland.org); Nancy Church; Randy Coslow; Robert Falk; Robin Gawel - City of Ormond Beach (Robin.Gawel@ormondbeach.org); Saavedra, Leylah (leylah@pegasusengineering.net); Sandy Camp; Smith, Hardy (SmithHardy@CODB.US); Tiffany Islam; Tim MacHardy; Vandemark, Shawn (svandemark@cityofnsb.com); Waller, David (WallerDavid@CODB.US); White, Pat (pmwhite404@gmail.com); Yolanda Buckles; Young, Ronald E. (reyoung@volusia.k12.fl.us)
**Cc:** McKenna Korzeniewski
**Subject:** Volusia Prepares (LMS) Quarterly Meeting
**Attachments:** 09.20.2024 LMS Meeting Agenda.pdf; 06.21.2024 LMS Meeting Minutes.pdf

Good Afternoon Everyone,

This is a friendly reminder about the upcoming Volusia Prepares (LMS) quarterly meeting, scheduled for this Friday, September 20th, at 9:00 AM at the Emergency Operations Center.

Please find the meeting agenda and minutes from our last quarterly meeting attached.

If you have any questions or need further information, feel free to reach out

Best Wishes,
Yolanda

Yolanda Buckles, FPEM
Planner II
Volusia County Emergency Management
3825 Tiger Bay Rd., Suite 102
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386.254.1500 ext 11027

**From:** McKenna Korzeniewski <MKorzeniewski@ecfrpc.org>
**Sent:** Tuesday, January 28, 2025 3:30 PM
**To:** Brenda Defoe-Surprenant
**Subject:** Fw: LMS Quarterly Meeting
**Attachments:** 10.13.2024 LMS Meeting Agenda.pdf; 09.20.2024 LMS Meeting Minutes.pdf

**McKenna Korzeniewski**
Resilience Planner II
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**From:** Yolanda Buckles <YBuckles@volusia.org>
**Sent:** Monday, December 9, 2024 1:19 PM
**To:** Adam Thornton <athornton@southdaytona.org>; Angie Sehenuka <sehenuka@codb.us>; Arden Fontaine <AFontaine@volusia.org>; Aubrie Austin <ALAustin@volusia.org>; Austin Beeghly <Austin.Beeghly@em.myflorida.com>; Barton, Justin (BartonJustin@CODB.US) <BartonJustin@CODB.US>; SD - Becky Witte <bwitte@southdaytona.org>; Benjamin Bartlett <BBartlett@volusia.org>; Bobbie King <BGKing@volusia.org>; Boyer, Chris (cjboyer@volusia.k12.fl.us) <cjboyer@volusia.k12.fl.us>; Cammie Dewey <cdewey@sjrwmd.com>; Michelle Cechowski <mcechowski@ecfrpc.org>; Corry Brown <CABrown@volusia.org>; Cruz, Stewart (scruz@cityofdbs.org) <scruz@cityofdbs.org>; Dan Lugo <dlugo@orangecityfl.gov>; Elizabeth Caison <Elizabeth.Caison@em.myflorida.com>; Fegley, Kyle (KFegley@cityofnsb.com) <KFegley@cityofnsb.com>; DL Asst CM - Grebosz, Mike <greboszm@deland.org>; Hamstra, David (david@pegasusengineering.net) <david@pegasusengineering.net>; Hank Baker <hbaker@ponce-inlet.org>; Hilton, Tyna Lynn (thilton@CITYOFEDGEWATER.ORG) <thilton@CITYOFEDGEWATER.ORG>; Houle, Sue (shoule@deltonafl.gov) <shoule@deltonafl.gov>; Irwin, Lory (lirwin@cityofdbs.org) <lirwin@cityofdbs.org>; LH - Administrator Jim Gleason <jgleason@lakehelen.org>; Jeff Alberts <JAlberts@volusia.org>; OH Manager - Jerome Adams <AdamsJ@oakhillfl.gov>; Jessica Fentress <jfentress@volusia.org>; Jill Hemmerlein <JHemmerlein@volusia.org>; SJRWMD - James Cannon <jcannon@sjrwmd.com>; Jim Peterson <JPeterson@sjrwmd.com>; John Widick <jawidick@volusia.k12.fl.us>; Juengst, Steven (sjuengst@hollyhillfl.org) <sjuengst@hollyhillfl.org>; Karen Feaster <KFeaster@flydab.com>; Kelly Steffens <KSteffens@flaglercounty.gov>; Kim Flaherty <flahertykimberly@codb.us>; OC FD - Ronnie Long <rlong@orangecityfl.gov>; Margaret Tomlinson <mtomlinson@port-orange.org>; Mark Bell <publicworks@oakhillfl.gov>; Michael Ulrich <MUlrich@volusia.org>; Mike McMunigle <MJMcMuni@sjrwmd.com>; Miller, Jeff (jmiller@hollyhillfl.org) <jmiller@hollyhillfl.org>; Moisio, Loretta (moisio@ormondbeach.org) <moisio@ormondbeach.org>; Moses, Kieu (mosesk@deland.org) <mosesk@deland.org>; Nancy Church

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**Subject:** LMS Quarterly Meeting

Good Afternoon All:

This is a friendly reminder that our quarterly LMS meeting is scheduled for this Friday, December 13th, at 9:00 AM at the EOC.

Attached, you will find the agenda for the meeting, as well as the minutes from the September 20th meeting for your review.

If you have any questions, please don't hesitate to reach out.

Best Wishes,
Yolanda

Yolanda Buckles, FPEM
Planner II
Volusia County Emergency Management
3825 Tiger Bay Rd., Suite 102
Daytona Beach, FL 32124
386.254.1500 ext 11027




AGENDA
Local Mitigation Working Group Meeting
September 20, 2024, 9:00 AM
Program Coordinator: Yolanda Buckles
EOC – Ops Room
3825 Tiger Bay Rd. Ste. 102, Daytona Beach, FL 32124

- Welcome/Introductions
- Approval of meeting minutes from June 21, 2024
- Update of Hurricane Ian, Hurricane Nicole and Hurricane Idalia HMGP initiatives
- Update on any 2023 FMA initiatives
- Present any new initiatives to be added to the LMS Initiative List
- 2025-2030 Local Mitigation Strategy (LMS) Public Kickoff
- Training Plan
- Open Discussion

Next Quarterly Meeting will be December 13




AGENDA
Local Mitigation Working Group Meeting
December 13, 2024, 9:00 AM
Program Coordinator: Yolanda Buckles
EOC – Ops Room
3825 Tiger Bay Rd. Ste. 102, Daytona Beach, FL 32124

- Welcome/Introductions
- Approval of meeting minutes of September 20, 2024
- Update of Hurricane Ian, Hurricane Nicole and Hurricane Idalia HMGP initiatives
- Update on any 2023 FMA initiatives
- Present any new initiatives to be added to the LMS Initiative List
- 2025-2030 Local Mitigation Strategy (LMS) Update
- Open Discussion

Next Quarterly Meeting to be determined

# 2025-2030 LOCAL MITIGATION STRATEGY PUBLIC KICKOFF

Volusia County Emergency Management and the East Central Florida Regional Planning Council

September 20, 2024



Images: Volusia County Emergency Management Logo and East Central Florida Regional Planning Council Logo

# Overview of LMS & FMP

- Local Mitigation Strategy (LMS) is a 5-year plan that anticipates damage and disruption that could result from a disaster and then determines how best to eliminate or at least reduce this damage.
  - Focuses on most relevant hazards
- The Floodplain Management Plan (FMP) is a plan that supports the National Flood Insurance Program to: identify known flood problem areas, establish goals, objectives, and implementation programs, and support the reduction in flood insurance costs.

# LMS & FMP- Goals & Objectives

- LMS Working Group
  - Updated LMS goals and objectives have been updated through Working Group meetings
  - FMP goals and objectives have been updated based on conversations in these meetings
  - Awaiting feedback from Working Group: requested no later than **Sept. 30**

# LMS Updated Goals

| | |
|---|---|
| Strengthen | GOAL 1: Strengthen effective hazard mitigation programming through policies, regulations, and technology through local government collaborations. |
| Endeavor | GOAL 2: Local government will endeavor to have resilient critical infrastructure that supports operations before, during, and after disasters. |
| Encourage | GOAL 3: Encourage economic sustainability within the community. |
| Enhance | GOAL 4: Enhance the whole community's understanding of the hazards and the techniques used to minimize vulnerability. |

# Individual Jurisdictional Goals & Objectives within the FMP

Each municipality has a section within the FMP stating goals and objectives to be worked towards in the next five years

Working Group: feedback and updates to those goals **Sept 30**

# Additional Plan Updates

- Broad overview of the section updates:
  - Community profile has been updated to include most recent census data
  - Hazards have been refined to include additional risks and broaden the scope of disasters
  - Hazard profiles have been updated to include recent occurrences within the past 5 years
  - Vulnerability assessment is being conducted in partnership with Volusia County's Environmental Management
  - Capability assessment will be using information collected from surveys

- Mitigation plan and strategies will mainly consist of the Quarter 3 priority list
- Al data and maps are being updated currently
- Public meetings are October 7 & 8
  - Daytona Beach Library and Deland Library



# THANK YOU!

Please join us for a deeper dive into the draft in October!

# LOCAL MITIGATION STRATEGY QUARTER 4 MEETING

Prepared by the East Central Florida Regional Planning Council with Volusia County Emergency Management

Friday, December 13, 2024



Images: Volusia County Emergency Management Logo and East Central Florida Regional Planning Council Logo

# Overview of LMS & FMP

- Local Mitigation Strategy (LMS) is a 5-year plan that anticipates damage from a disaster to determine how to eliminate or reduce damage.
  - All hazards
  - Whole community
- The Floodplain Management Plan (FMP) is a plan that supports the National Flood Insurance Program to: identify known flood problem areas, establish goals, implement programs, and reduce flood insurance costs.

# Identified Natural Hazards in LMS

- Agriculture
- Coastal Erosion
- Drought
- Extreme Temperature (heat & cold)
- Flood
- Tropical Cyclones
- Public Health Emergencies
- Rising Coastal Waters (storm surge, sea level rise, & tsunamis)
- Severe Weather (hail, lightning, & thunderstorms)
- Tornado
- Wildland Fire

# Identified Manmade/Technological Hazards in LMS

- Civil Disturbance
- Mass Migration
- Terrorism
- Coastal Oil Spill
- Critical Infrastructure Failure
- HazMat/Industrial Incident

# LMS Example Projects

- Generators
- Home elevations
- Basin Improvements
- Hardening lift stations
- Sewer improvements

# Survey Results Overview

- Public Survey for residents: 136
- HOA: 4
- Local businesses: 6

# Public Survey

- 50% have lived in home for 10+ years
- 61% are very concerned about flooding in their home (83 people)
- 39% had flooding in 2022; 25% had flooding in 2024
- 82% of residents have noticed an increase in duration and frequency

# HOA Survey

- 75% believe property owners are very concerned about flooding
- All have noticed an increase in flooding
- Communities represented: DeBary, Deland, Port Orange, Unincorporated Volusia

# Business Survey

- 50% are NOT concerned about flooding
- 33% of participants have flooded
- Financial impacts of concern: loss of business, days, employees unable to work, profit loss, property damage

# Additional Public Feedback

- Public comments brought up in two outreach sessions will be consolidated and incorporated into the LMS
  - November 25 and 26, 2024
- Additional comments taken today


THANK YOU!

# Volusia Prepares - Working Group Quarterly Meeting

| Jurisdiction | Representative | Phone Number | Email Address | LMS |
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| Daytona Beach | Justin Barton | 386-671-8807 | BartonJustin@CODB.us | |
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# Volusia Prepares - Working Group Quarterly Meeting

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| Port Orange | Marget Tomlinson | 386-506-5563 | mtomlinson@port-orange.org | |
| | Valerie Duhl | 386-506-5664 | vduhl@port-orange.org | |

# Volusia Prepares - Working Group Quarterly Meeting

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| Mosquito Control | Tim MacHardy | 386-424-2920 | Tmachardy@volusia.org | |
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| | Melissa DeWall | 386-852-7709 | | Melissa DeWall |
| Water Resources and Utilities | Michael Ulrich | 386-943-7027 | Mulrich@volusia.org | |
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| Aptim | Pat White | 386-299-7774 | Patricia.white@aptim.com | |
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# Volusia Prepares - Working Group Quarterly Meeting

| Jurisdiction | Representative | Phone Number | Email Address | LMS |
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# Volusia Prepares - Working Group Quarterly Meeting

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| | **Emergency Management Community Partners** | | | |
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# Volusia Prepares - Working Group Quarterly Meeting

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| VC School Board | Ron Young | 386-822-6630 | Reyoung@volusia.k12.fl.us | |
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| | | | | |
| Ashleigh Ellens | | | | |

# Volusia Prepares - Working Group Quarterly Meeting

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| VOLEM | GARY EDVIN | 386 822 5013 | cervin@volusia.org | |
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| | [illegible] | 386-690-5485 | | |
| South Daytona | Les Ellis | 386- | bwitte@ | |
| S. Daytona | Becky Witte | 322-3014 | southdaytona.org | |
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# 25-2030 LOCAL MITIGATION STRATEGY AND FLOODPLAIN MANAGEMENT PLAN PUBLIC MEETINGS

Prepared by the East Central Florida Regional Planning Council with Volusia County Emergency Management

November 25 & 26, 2024



Images: Volusia County Emergency Management Logo and East Central Florida Regional Planning Council Logo

# History

- Volusia County's hazard mitigation planning efforts began in 1997 with the formation of the Volusia Prepares Committee
- First LMS in 1999 (adopted 2000), as part of the Florida Department of Community Affairs LMS Initiative
- The previous version of the LMS, prior to this 2025 version, was updated and adopted in 2020

# Overview of LMS & FMP

- Local Mitigation Strategy (LMS) is a 5-year plan that anticipates damage from a disaster to determine how to eliminate or reduce damage.
  - All hazards
  - Whole community
- The Floodplain Management Plan (FMP) is a plan that supports the National Flood Insurance Program to: identify known flood problem areas, establish goals, implement programs, and reduce flood insurance costs.

# LMS Updated Goals

| | |
|---|---|
| Strengthen | GOAL 1: Strengthen effective hazard mitigation programming through policies, regulations, and technology through local government collaborations. |
| Endeavor | GOAL 2: Local government will endeavor to have resilient critical infrastructure that supports operations before, during, and after disasters. |
| Encourage | GOAL 3: Encourage economic sustainability within the community. |
| Enhance | GOAL 4: Enhance the whole community's understanding of the hazards and the techniques used to minimize vulnerability. |

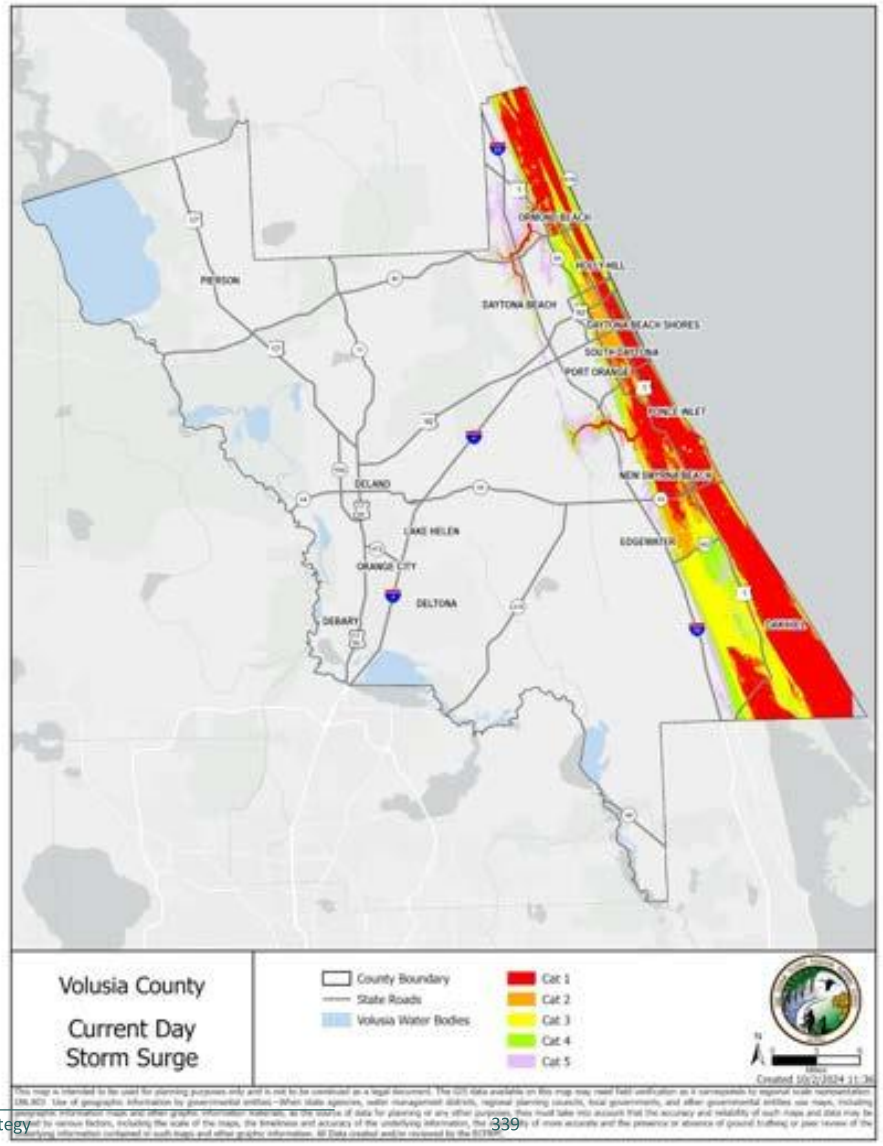
# LMS & FMP- Project Lists

- Create a Master Initiatives List
- Makes county eligible for the Hazard Mitigation Grant Program (HMGP) funding through Florida's Division of Emergency Management (FDEM) and FEMA
- Grant funds are intended to bring mitigation projects to fruition that would end up on a wish list otherwise.

# Community Profile

- Age (2022):
  - Median age for the County was **46.6 years**
  - State median age of **42.7 years** of age
  - Roughly 25% of residents in Volusia are over 65
- Housing (2022):
  - Median value of owner-occupied housing units was **$251,400**
  - **$178,700** average in Florida
  - **$193,500** national average

Image of current day storm surge impacting Volusia County. This map is organized by hurricane category using the SLOSH model (Sea, Lake, and Overland Surges from Hurricanes model is a computer program that estimates storm surge heights caused by tropical cyclones). This map has been approved by FDEM.



# Overview of Required Updates

- Community profile has been updated to include most recent census data
- Hazards have been refined to include additional risks and broaden the scope of disasters
- Hazard profiles have been updated to include recent occurrences within the past 5 years
- Vulnerability assessment is being conducted in partnership with Volusia County's Environmental Management and information from the County's Property Appraiser

# Overview of Required Updates (Continued)

- Capability assessment will use information collected from surveys
- Mitigation plan and strategies will consist of the Quarter 3 & 4 priority list
- All data and maps are being updated currently

# We Need You!

- Public participation is vital to the success of the LMS/FMP
- Understanding individual homeowners' capabilities to withstand and respond to disasters is crucial for county to understand the **NEEDS** of the whole community

# Survey QR Codes

Neighborhood Association Survey for Volusia Residents



Local Business Survey for Volusia County Business Owners



Floodplain Management Public Survey for Volusia County



Images: Three Photos of Survey QR Codes to Scan with Cell Phone



# THANK YOU!

Questions?

# LMS/FMP Public Meeting

**Tuesday, November26,2024**

**Daytona Public Library**

| NAME | AFFILIATION | EMAIL | PHONE |
|---|---|---|---|
| [illegible] | | | 386-795-2663 |
| MARY E HAZZARD | | | 267-450-1690 |
| TRACI [illegible] | | | 386-671-0251 |
| Dot Senne | | dotsenne@aol.com | 3862952920 |
| George Carter | | | |
| Marcella Carter | | | |
| [illegible] | | | 236-2188 |
| Patrick Senne | | pat.senne@collierseng.com | 386-[illegible] 274-8679 |
| HEATHER BLANCK | | heather.blanck@gmail.com | 386-214-7209 |
| Mike McDaniel | | | |
| Beverly FAHY | West Winds condo 1250 #/800 S. Ridgewood | BFAHY8882@gmail.com 386-846-5804 | 386 846 5864 |
| [illegible] | | | |
| John J. Nichols | Resident | g | 386-265-8180 |
| Javier Benavente | resident CODB | javi.bme@mac.com | |
| LORI BECKER | Port OR Resident | Lorbecker | 386 2994425 |
| Monica PARIS | Comm Zone 1 CODB | parismonica@codb.us | 386-214-3822 |
| Sonya Bell Bell | homeowner | Rbellzeus@gmail | 386-589 3422 |
| Daniel & Sherri Tippin | Homeowner | SZLegal@AOL.com | 386-290-4054 |
| Jeff Cahill | Home Owner | jefcahill@hotmail.com | 3864519822 |
| Catherine PANTE | Homeowner | | 386-566-3699 |
| Jenny Nazak | Daytona Beach Permaculture Guild | jnazak@yahoo.com | 512-619-5263 |
| Nic Mostert | [illegible] | MOSTERTN@hotmail.com | 386-212- |
| Tom Peacock | [illegible] | TomMaidland55@aol | 1260 |
| Peter Signana | Sierra Club | peter@signamm.net | 3862815627 |
| Suzanne Deng | Many | suedeng@hotmail.com | 4077602804 |
| Jill [illegible] | GRM | [illegible] | |
| McKenna Korzeniewski | ECFRPC | MKorzeniewski@ecfrpc.org | |

# - LMS/FMP Public Meeting

**Monday, November 25, 2024**

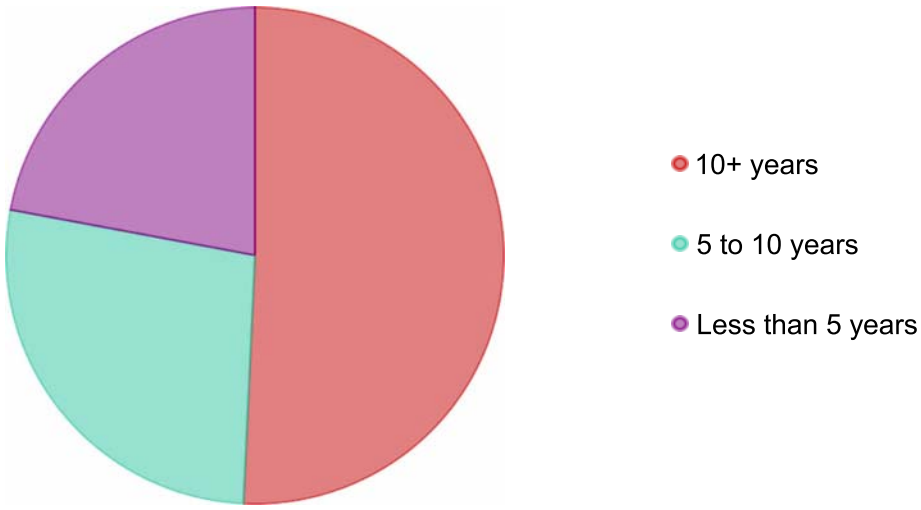
**Deland Public Library**

darrington @orangecity fl.gov

| NAME | AFFILIATION | EMAIL | PHONE |
|---|---|---|---|
| McKenna Korzeniewski | ECFRPC | MKorzeniewski@ecfrpc.org | |
| JOHN BONDUR | John Knox Mag | JKBONDUR@COMCAST.NET | |
| DALE ARRINGTON | City of Orange City | | |
| Terri Ellis | | TLJOHO AOL.COM | 330 252-7323 |
| Phyllis Wallace | City of Deltona | Pwallace@DeltonaFL.Gov | |
| Glenn Whitsett | City of Deltona | gwhitsett@deltonafl.gov | |
| DAVID WELL | VCR | [illegible] | 386-639-1217 |
| Wendy Anderson | ENRAC | Wanders1@stetson.edu | 417-353-0078 |
| JOE DUBAC | NSB | jdubac@snet.net | 860-460-6128 |
| DAVID LINKENHOKER | Recovery & Resil. | d.linkenhoker@volusia | 386-882-7773 |
| Melissa DeWall | Recovery + Resiliency | mdewall@volusia.org | 386-852-7709 |
| Stephanie Bryson | Deland Museum | brysonwestov@gmail.com | 386.479.1666 |
| Jan Cheney | HOA | jcheney61@icloud.com | 386 848 6650 |
| Yolanda Buckles | VCEM | ybucklese volusia.org | 386 254 1500 |
| Kurja Wilkes | | Kurjawilkes@gmail. | 847-420-2973 |
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# Floodplain Management Public Survey for Volusia County

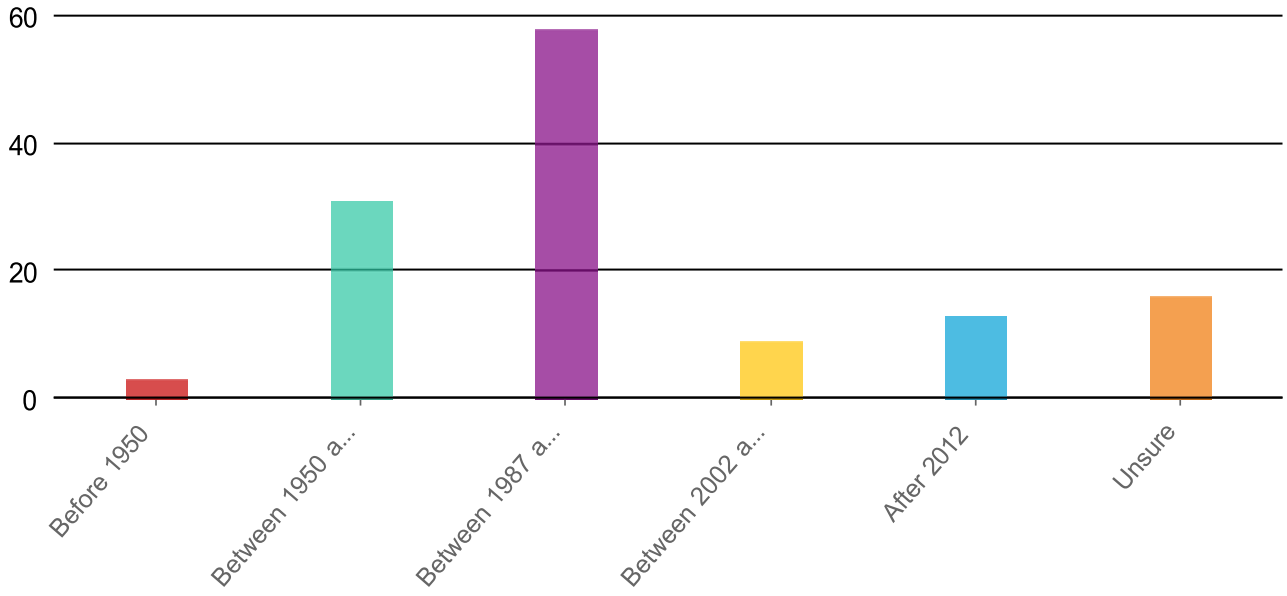
**How long have you lived in your current residence?**




| Answers | Count | Percentage |
|---|---|---|
| 10+ years | 69 | 50.74% |
| 5 to 10 years | 37 | 27.21% |
| Less than 5 years | 30 | 22.06% |

Answered: 136 Skipped: 0

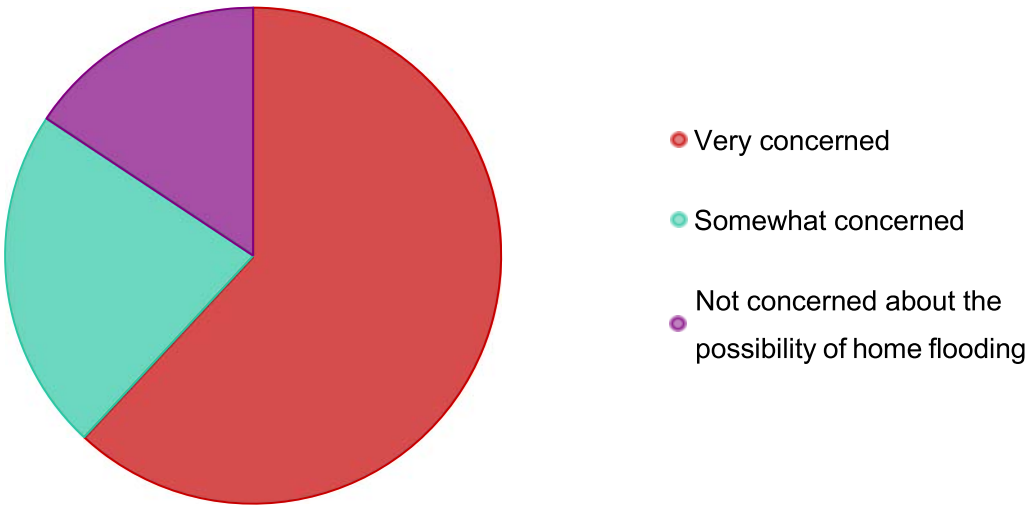
**What year was your home built?**




| Answers | Count | Percentage |
|---|---|---|
| Before 1950 | 3 | 2.21% |
| Between 1950 and 1968 | 31 | 22.79% |
| Between 1987 and 2001 | 58 | 42.65% |
| Between 2002 and 2012 | 9 | 6.62% |
| After 2012 | 13 | 9.56% |
| Unsure | 16 | 11.76% |

Answered: 130 Skipped: 6

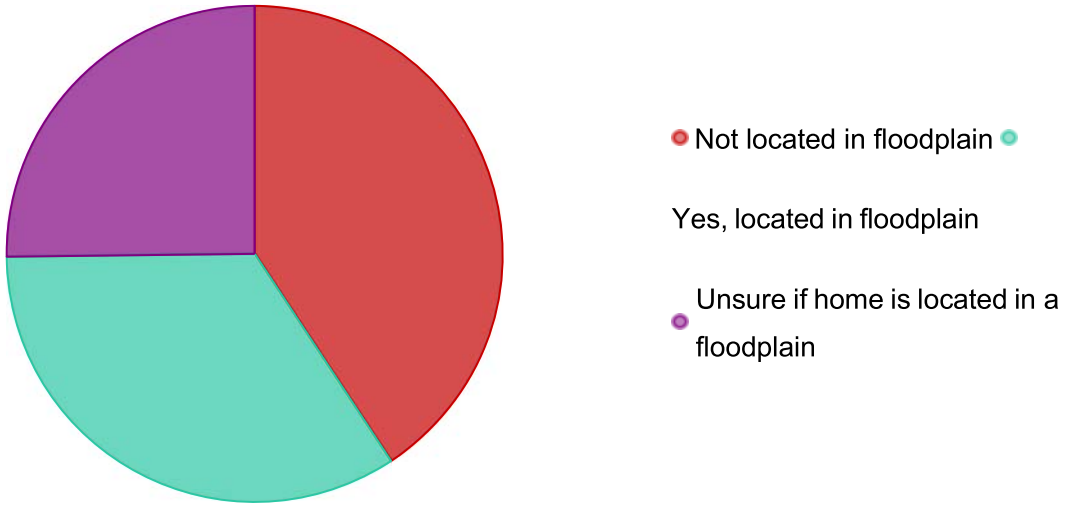
**How concerned are you about the possibility of your home flooding?**




| Answers | Count | Percentage |
|---|---|---|
| Very concerned | 83 | 61.03% |
| Somewhat concerned | 30 | 22.06% |
| Not concerned about the possibility of home flooding | 21 | 15.44% |

Answered: 134 Skipped: 2

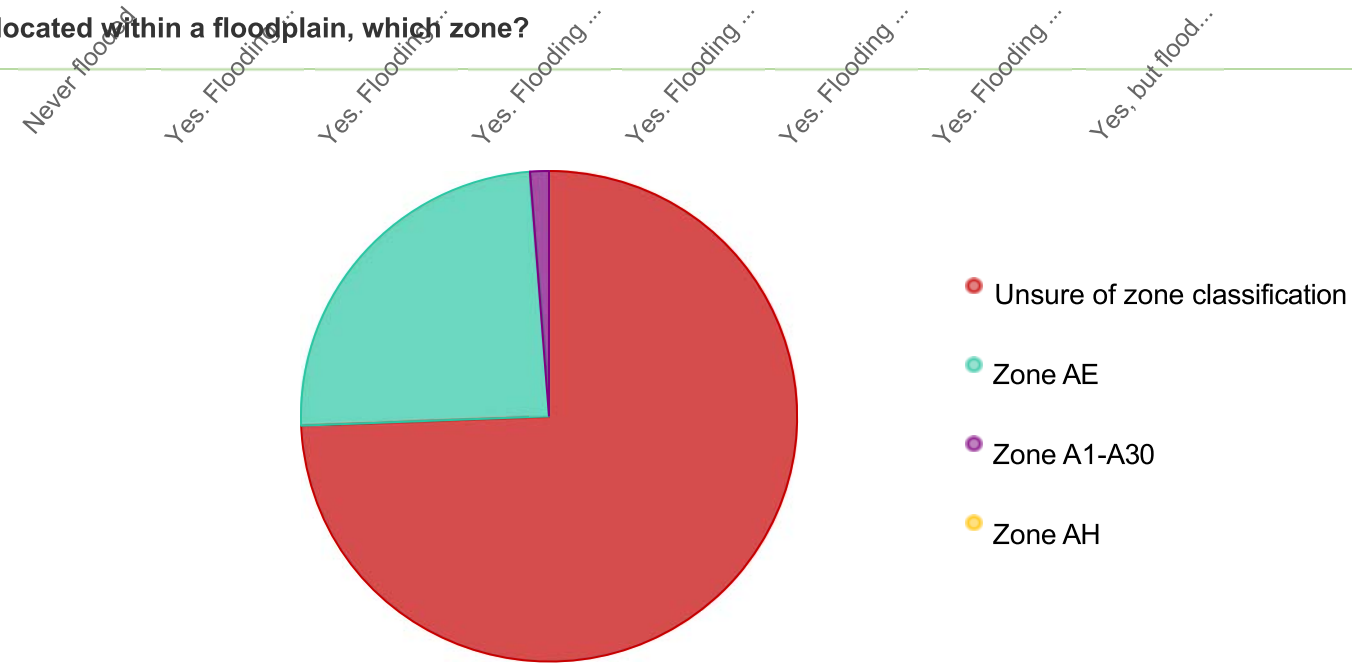
**Is your home located within a Flood hazard zone (floodplain)?**



| Answers | Count | Percentage |
|---|---|---|
| Not located in floodplain | 55 | 40.44% |
| Yes, located in floodplain | 46 | 33.82% |
| Unsure if home is located in a floodplain | 34 | 25% |

Answered: 135 Skipped: 1

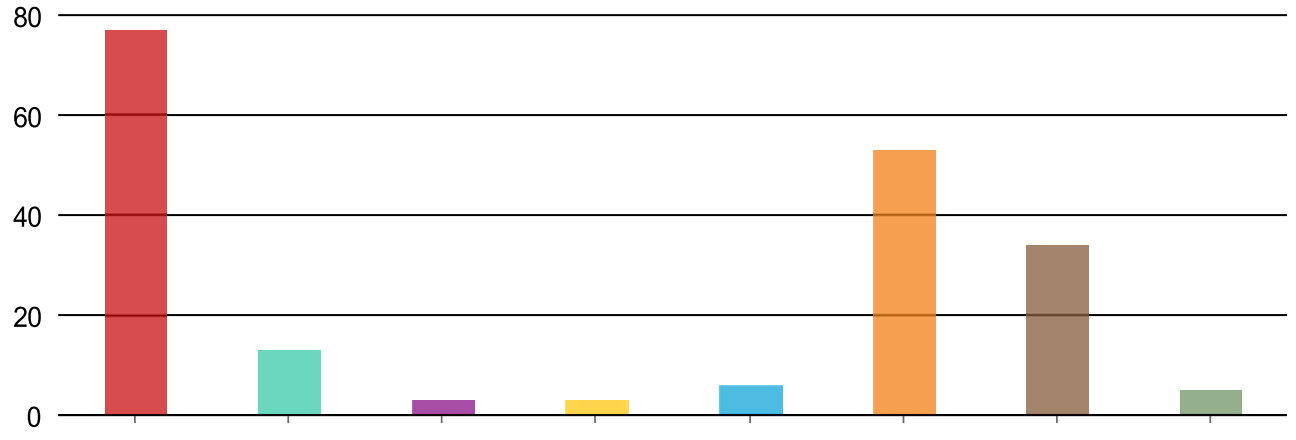
**If located within a floodplain, which zone?**




| Answers | Count | Percentage |
|---|---|---|
| Unsure of zone classification | 61 | 44.85% |
| Zone AE | 20 | 14.71% |
| Zone A1-A30 | 1 | 0.74% |
| Zone AH | 0 | 0% |

Answered: 82 Skipped: 54

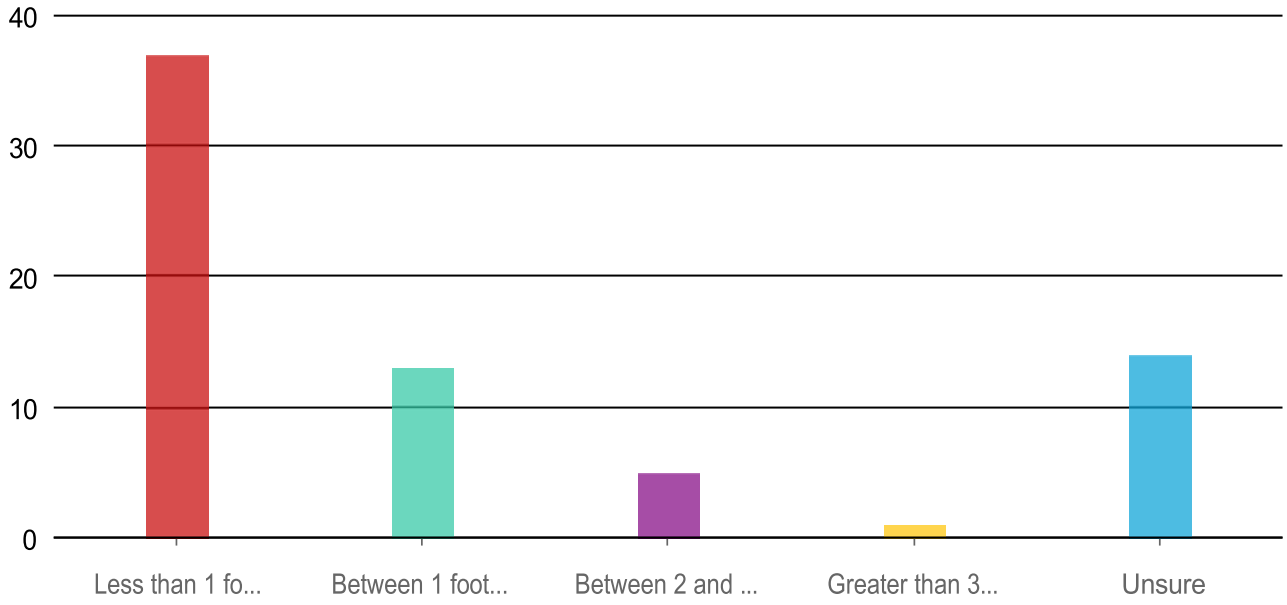
## Has your home (to your knowledge) ever flooded due to natural causes?




| Answers | Count | Percentage |
|---|---|---|
| Never flooded | 77 | 56.62% |
| Yes. Flooding occurred between 2000-2009. | 13 | 9.56% |
| Yes. Flooding occurred between 2010 and 2012. | 3 | 2.21% |
| Yes. Flooding occurred between 2013 and 2016. | 3 | 2.21% |
| Yes. Flooding occurred in 2017. | 6 | 4.41% |
| Yes. Flooding occurred in 2022. | 53 | 38.97% |
| Yes. Flooding occurred in 2024. | 34 | 25% |
| Yes, but flooding has occurred in years not listed. | 5 | 3.68% |

Answered: 133 Skipped: 3

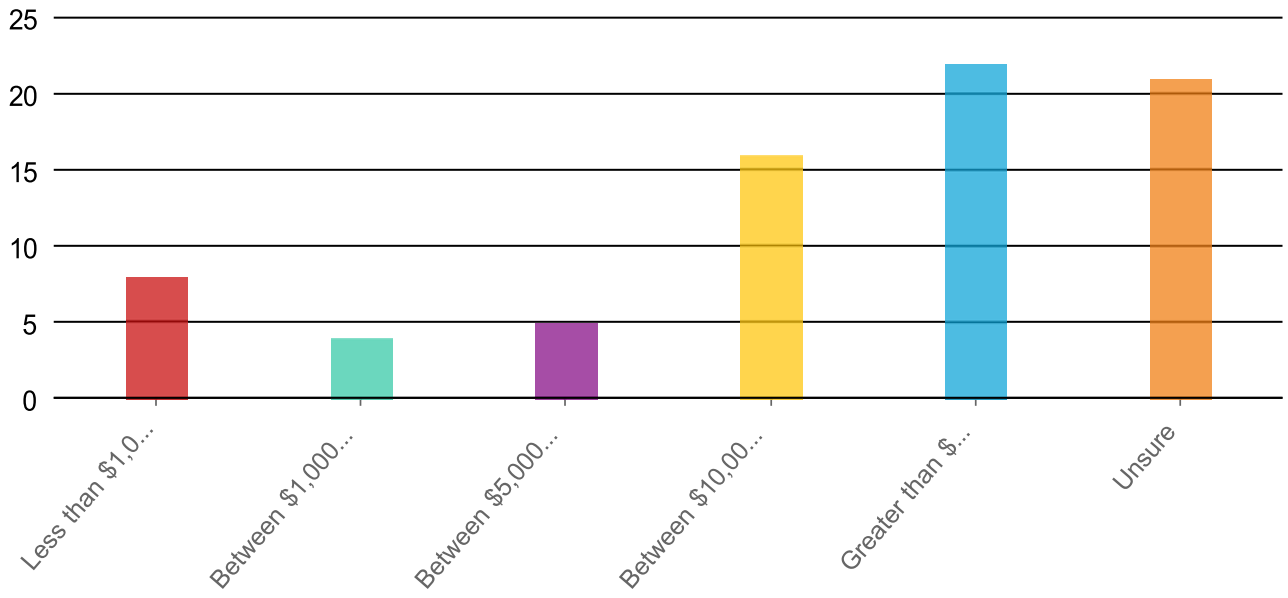
## What depth was the water in your home during the last flooding event noted i…




| Answers | Count | Percentage |
|---|---|---|
| Less than 1 foot | 37 | 27.21% |
| Between 1 foot and 2 feet | 13 | 9.56% |
| Between 2 and 3 feet | 5 | 3.68% |
| Greater than 3 feet | 1 | 0.74% |
| Unsure | 14 | 10.29% |

Answered: 70 Skipped: 66

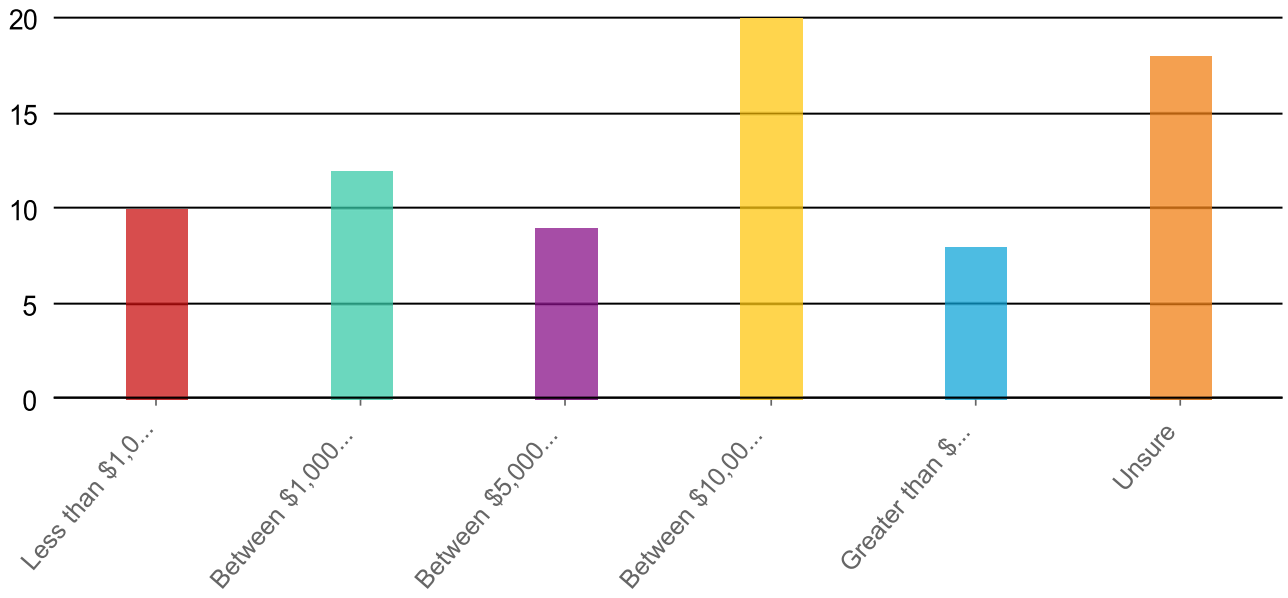
**What was the approximate dollar value of structural damages to your home…**




| Answers | Count | Percentage |
|---|---|---|
| Less than $1,000 | 8 | 5.88% |
| Between $1,000 and $4,999 | 4 | 2.94% |
| Between $5,000 and $9,999 | 5 | 3.68% |
| Between $10,000 and $49,999 | 16 | 11.76% |
| Greater than $50,000 | 22 | 16.18% |
| Unsure | 21 | 15.44% |

Answered: 76 Skipped: 60

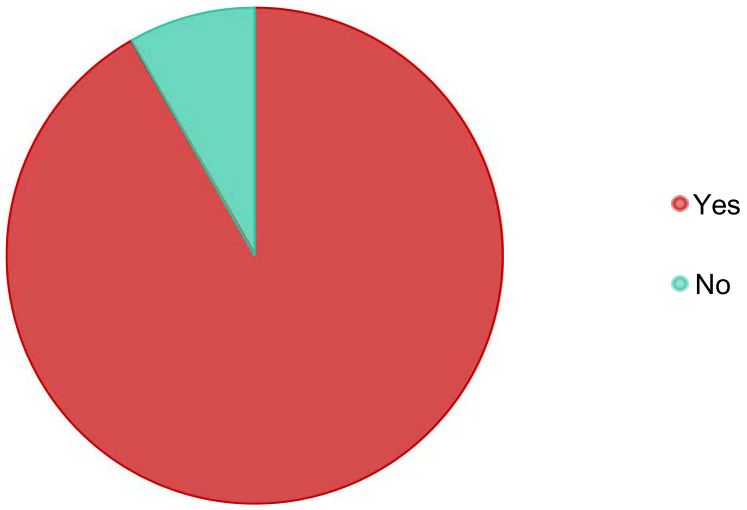
**What was the approximate dollar value of all personal items lost during the la...**




| Answers | Count | Percentage |
|---|---|---|
| Less than $1,000 | 10 | 7.35% |
| Between $1,000 and $4,999 | 12 | 8.82% |
| Between $5,000 and $9,999 | 9 | 6.62% |
| Between $10,000 and $49,999 | 20 | 14.71% |
| Greater than $50,000 | 8 | 5.88% |
| Unsure | 18 | 13.24% |

Answered: 77 Skipped: 59

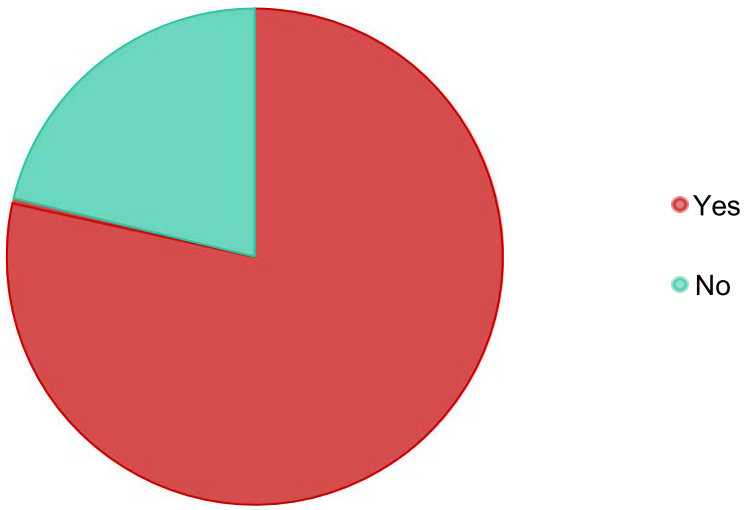
**Have you noticed an increase in the duration and frequency of these flood…**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 111 | 81.62% |
| No | 10 | 7.35% |

Answered: 121 Skipped: 15

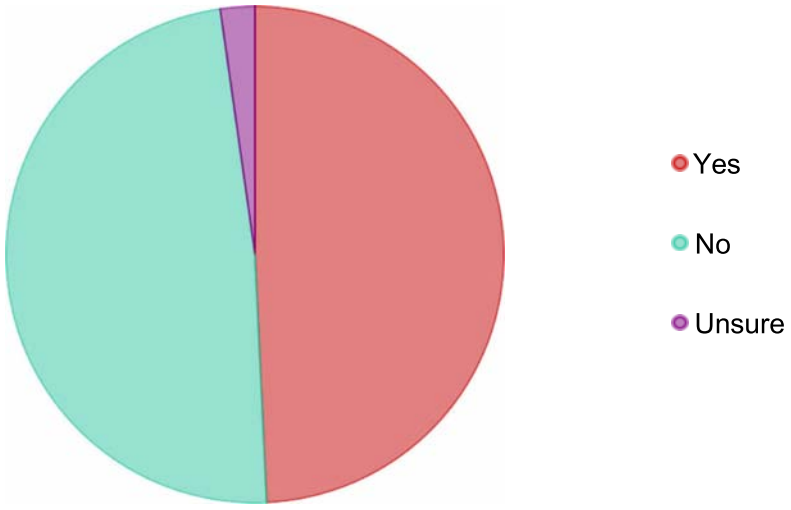
**Has local roadway flooding (in your neighborhood) directly impacted access …**



| Answers | Count | Percentage |
|---|---|---|
| Yes | 104 | 76.47% |
| No | 28 | 20.59% |

Answered: 132 Skipped: 4

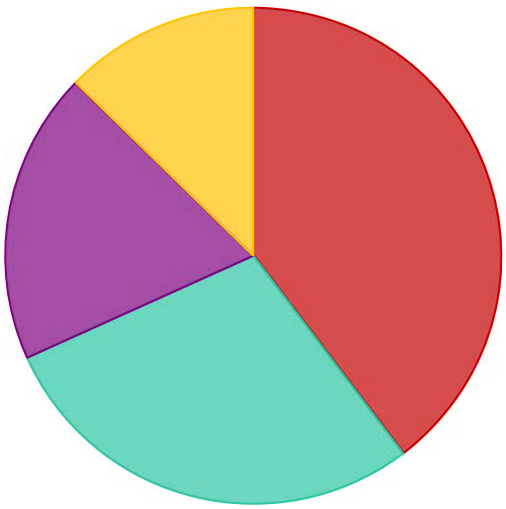
**Do you currently have flood insurance for your property?**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 66 | 48.53% |
| No | 65 | 47.79% |
| Unsure | 3 | 2.21% |

Answered: 134 Skipped: 2

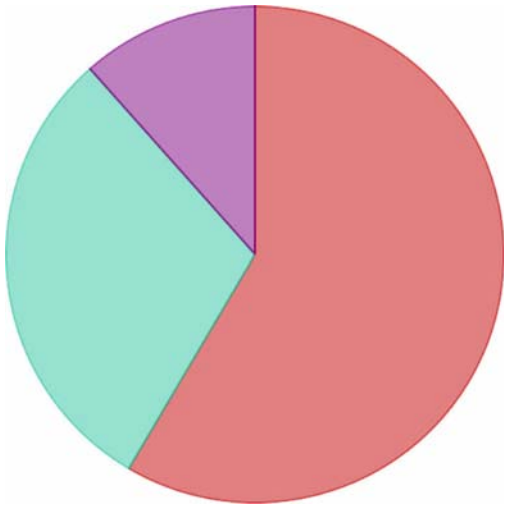
**If you do not have flood insurance, which of the following best describes you…**




| Answers | Count | Percentage |
|---|---|---|
| My property is outside the floodplain. | 25 | 18.38% |
| Flood insurance is too expensive. | 18 | 13.24% |
| I feel there is no real threat to my property. | 12 | 8.82% |
| I rent my home. | 8 | 5.88% |

Answered: 63 Skipped: 73

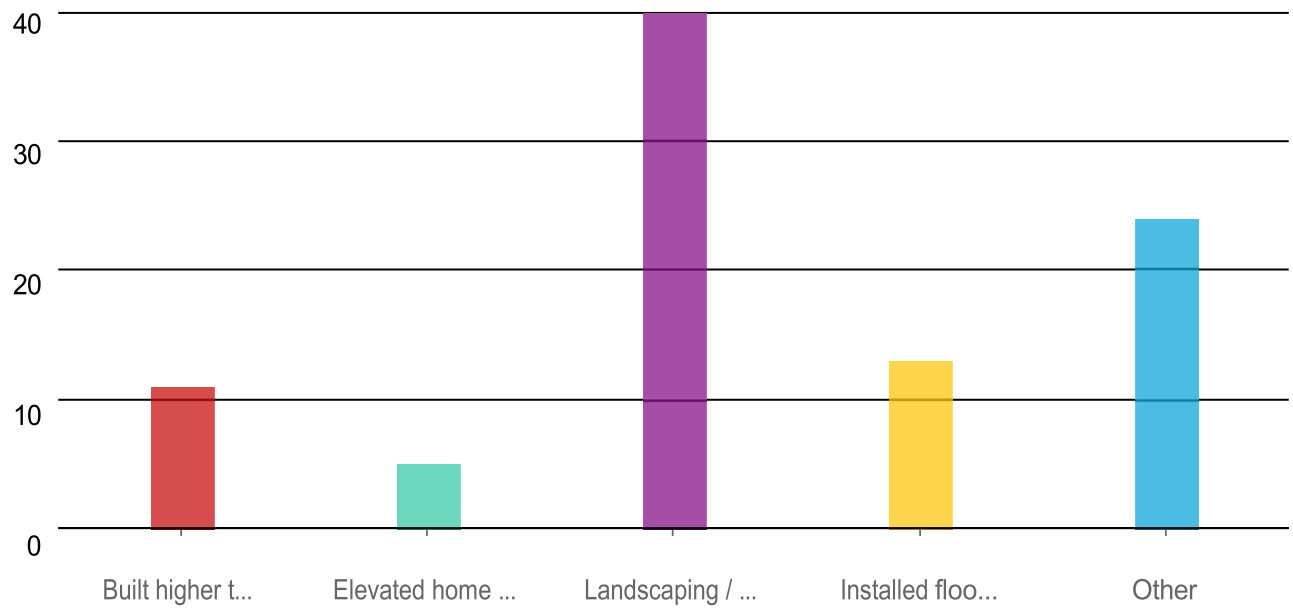
**Have any flood mitigation efforts been implemented to your property?**



| Answers | Count | Percentage |
|---|---|---|
| No, flood mitigation efforts have not been implemented on my property. | 76 | 55.88% |
| Yes, flood mitigation efforts have been implemented on my property. | 39 | 28.68% |
| Unsure | 15 | 11.03% |

Answered: 130 Skipped: 6

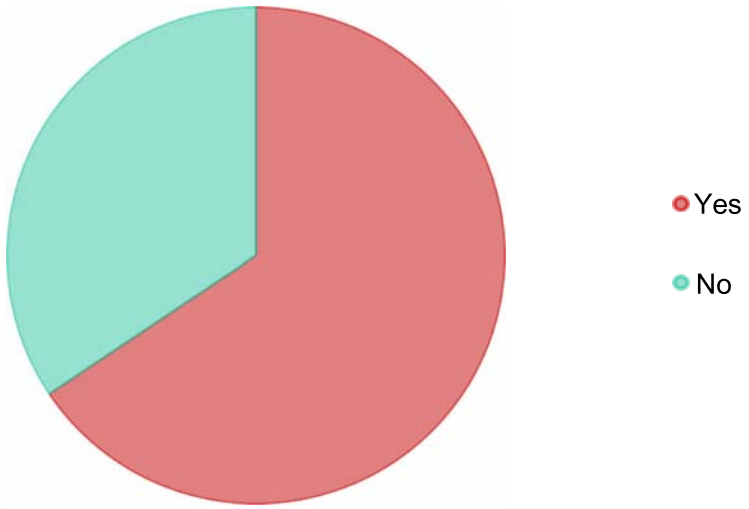
**Which type of mitigation efforts have been conducted on your property?**




| Answers | Count | Percentage |
|---|---|---|
| Built higher than 100 year floodplain | 11 | 8.09% |
| Elevated home / first floor is parking or access only | 5 | 3.68% |
| Landscaping / drainage improvements | 40 | 29.41% |
| Installed flood barriers | 13 | 9.56% |
| Other | 24 | 17.65% |

Answered: 62 Skipped: 74

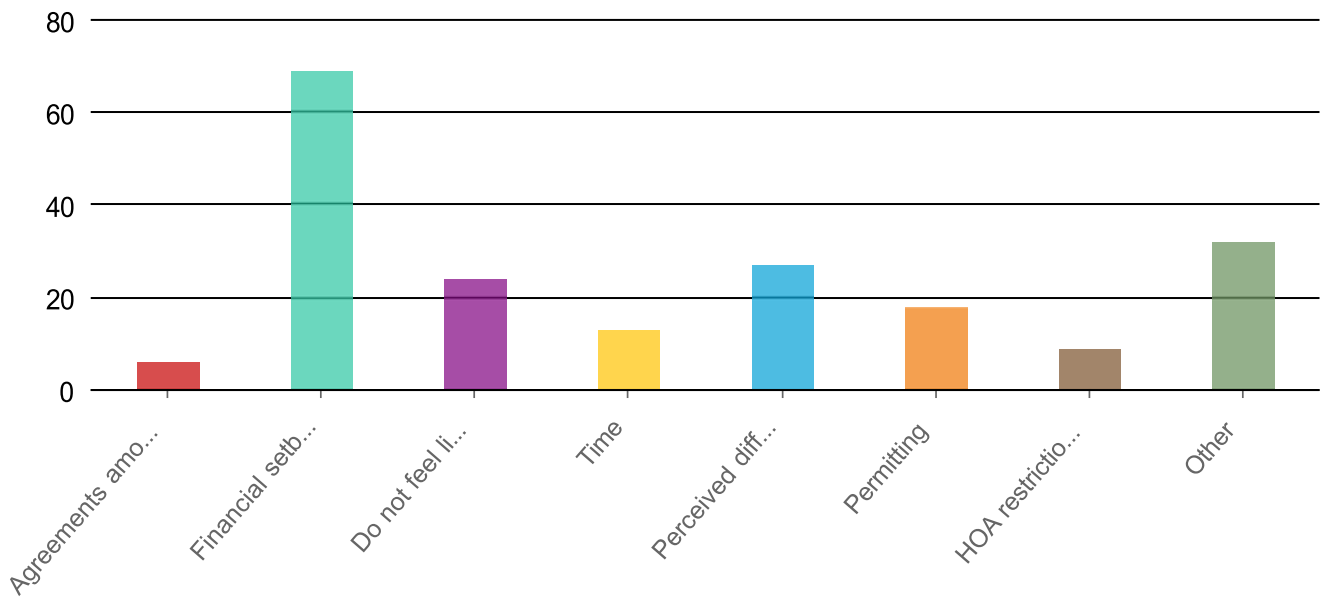
## Have you considered implementing flood management strategies on your…




| Answers | Count | Percentage |
|---|---|---|
| Yes | 82 | 60.29% |
| No | 43 | 31.62% |

Answered: 125 Skipped: 11

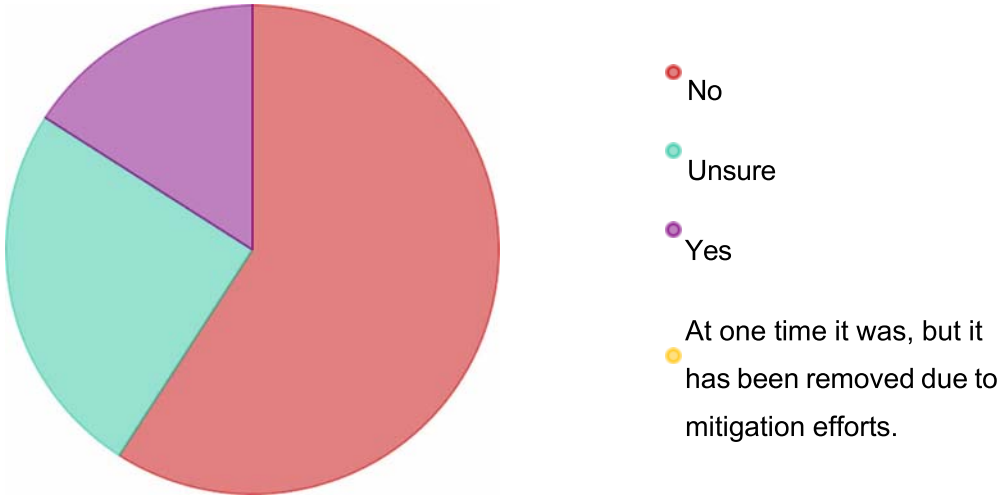
## What is your biggest hold-back to implementing mitigation strategies?



| Answers | Count | Percentage |
|---|---|---|
| Agreements among others in multi-family dwelling | 6 | 4.41% |
| Financial setback | 69 | 50.74% |
| Do not feel like it would make an impact | 24 | 17.65% |
| Time | 13 | 9.56% |
| Perceived difficulty | 27 | 19.85% |
| Permitting | 18 | 13.24% |
| HOA restrictions | 9 | 6.62% |
| Other | 32 | 23.53% |

Answered: 116 Skipped: 20

**Is your home currently classified as a repetitive loss property?**

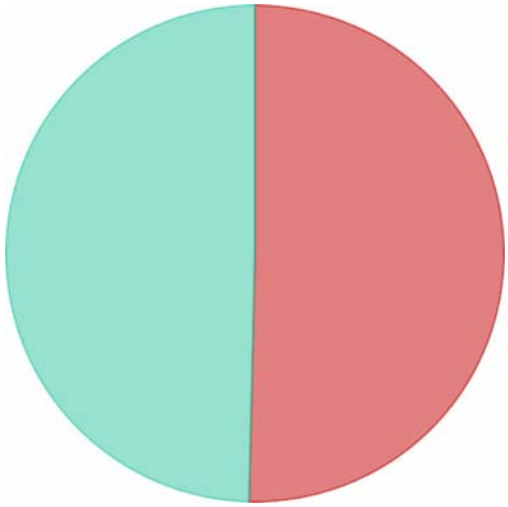



| Answers | Count | Percentage |
|---|---|---|
| No | 78 | 57.35% |
| Unsure | 33 | 24.26% |

| | | |
|---|---|---|
| Yes | 21 | 15.44% |
| At one time it was, but it has been removed due to mitigation efforts. | 0 | 0% |

Answered: 132 Skipped: 4

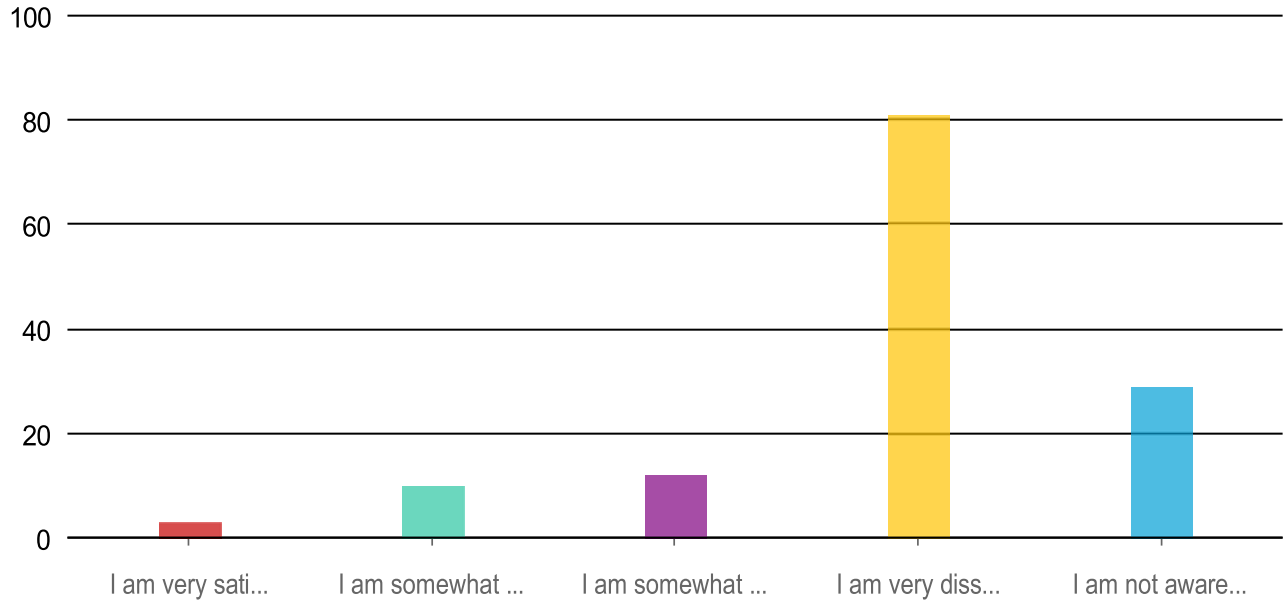
**Did you know that you can view the current floodplain and other county wide…**




| Answers | Count | Percentage |
|---|---|---|
| No, I have never visited this website. | 67 | 49.26% |
| Yes, I have visited this website. | 66 | 48.53% |

Answered: 133 Skipped: 3

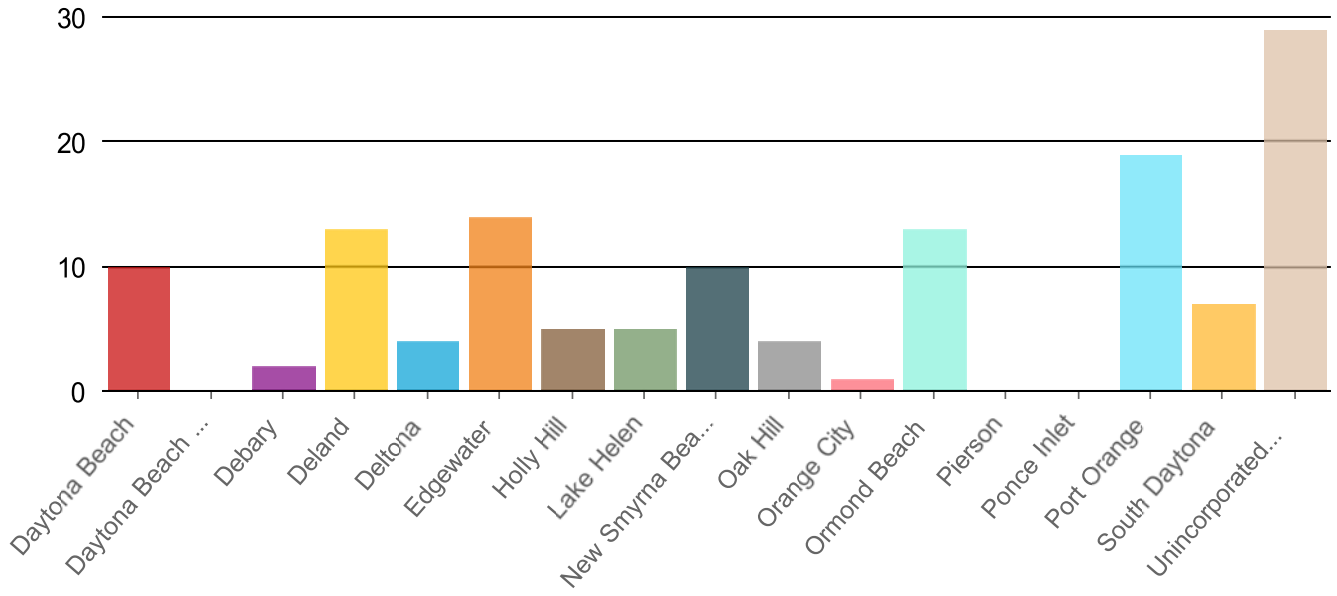
**How satisfied are you with how your jurisdiction handles public involvement…**




| Answers | Count | Percentage |
|---|---|---|
| I am very satisfied | 3 | 2.21% |
| I am somewhat satisfied | 10 | 7.35% |
| I am somewhat dissatisfied | 12 | 8.82% |
| I am very dissatisfied | 81 | 59.56% |
| I am not aware of any public involvement/outreach efforts concerning flood hazards conducted by my jurisdiction | 29 | 21.32% |

Answered: 135 Skipped: 1

**Your property is located in which jurisdiction?**



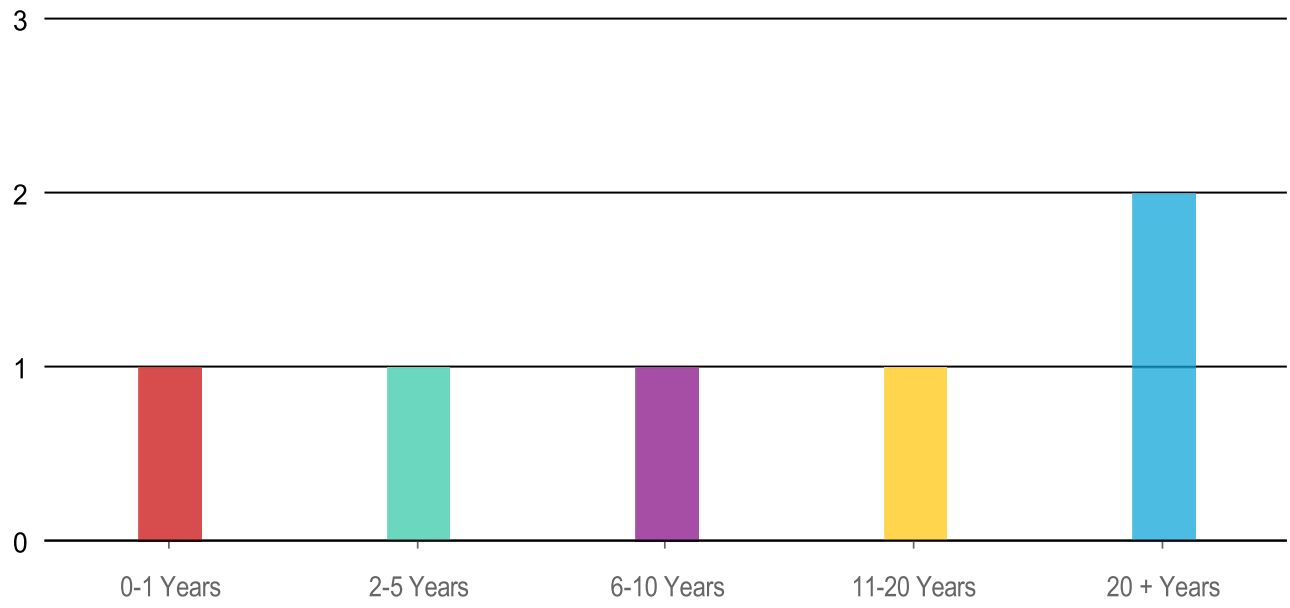

| Answers | Count | Percentage |
|---|---|---|
| Daytona Beach | 10 | 7.35% |
| Daytona Beach Shores | 0 | 0% |
| Debary | 2 | 1.47% |
| Deland | 13 | 9.56% |
| Deltona | 4 | 2.94% |
| Edgewater | 14 | 10.29% |
| Holly Hill | 5 | 3.68% |
| Lake Helen | 5 | 3.68% |
| New Smyrna Beach | 10 | 7.35% |
| Oak Hill | 4 | 2.94% |
| Orange City | 1 | 0.74% |
| Ormond Beach | 13 | 9.56% |
| Pierson | 0 | 0% |
| Ponce Inlet | 0 | 0% |

| | | |
|---|---|---|
| Port Orange | 19 | 13.97% |
| South Daytona | 7 | 5.15% |
| Unincorporated Volusia County | 29 | 21.32% |

Answered: 136 Skipped: 0

# Local Business Survey for Volusia County Business Owners

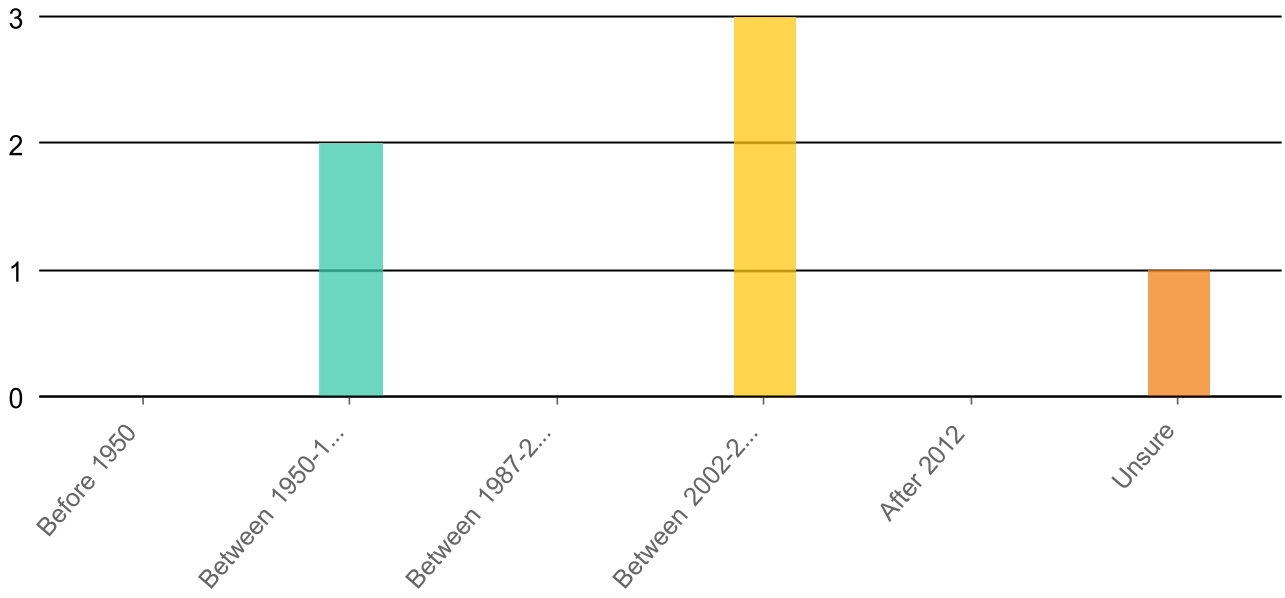
## How long have you been in business at your current location?




| Answers | Count | Percentage |
|---|---|---|
| 0-1 Years | 1 | 16.67% |
| 2-5 Years | 1 | 16.67% |
| 6-10 Years | 1 | 16.67% |
| 11-20 Years | 1 | 16.67% |
| 20 + Years | 2 | 33.33% |

Answered: 6 Skipped: 0

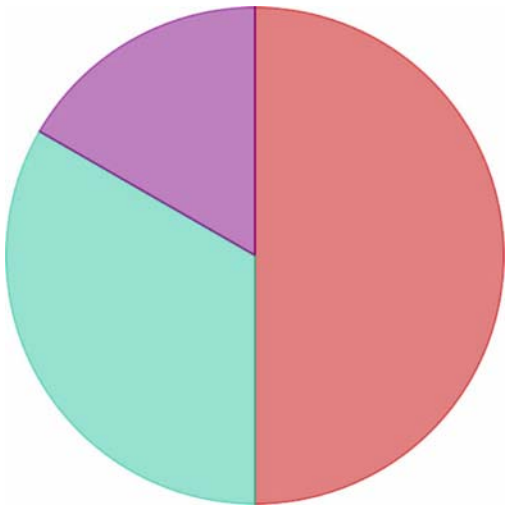
## In what year was your building constructed?




| Answers | Count | Percentage |
|---|---|---|
| Before 1950 | 0 | 0% |
| Between 1950-1986 | 2 | 33.33% |
| Between 1987-2001 | 0 | 0% |
| Between 2002-2012 | 3 | 50% |
| After 2012 | 0 | 0% |
| Unsure | 1 | 16.67% |

Answered: 6 Skipped: 0

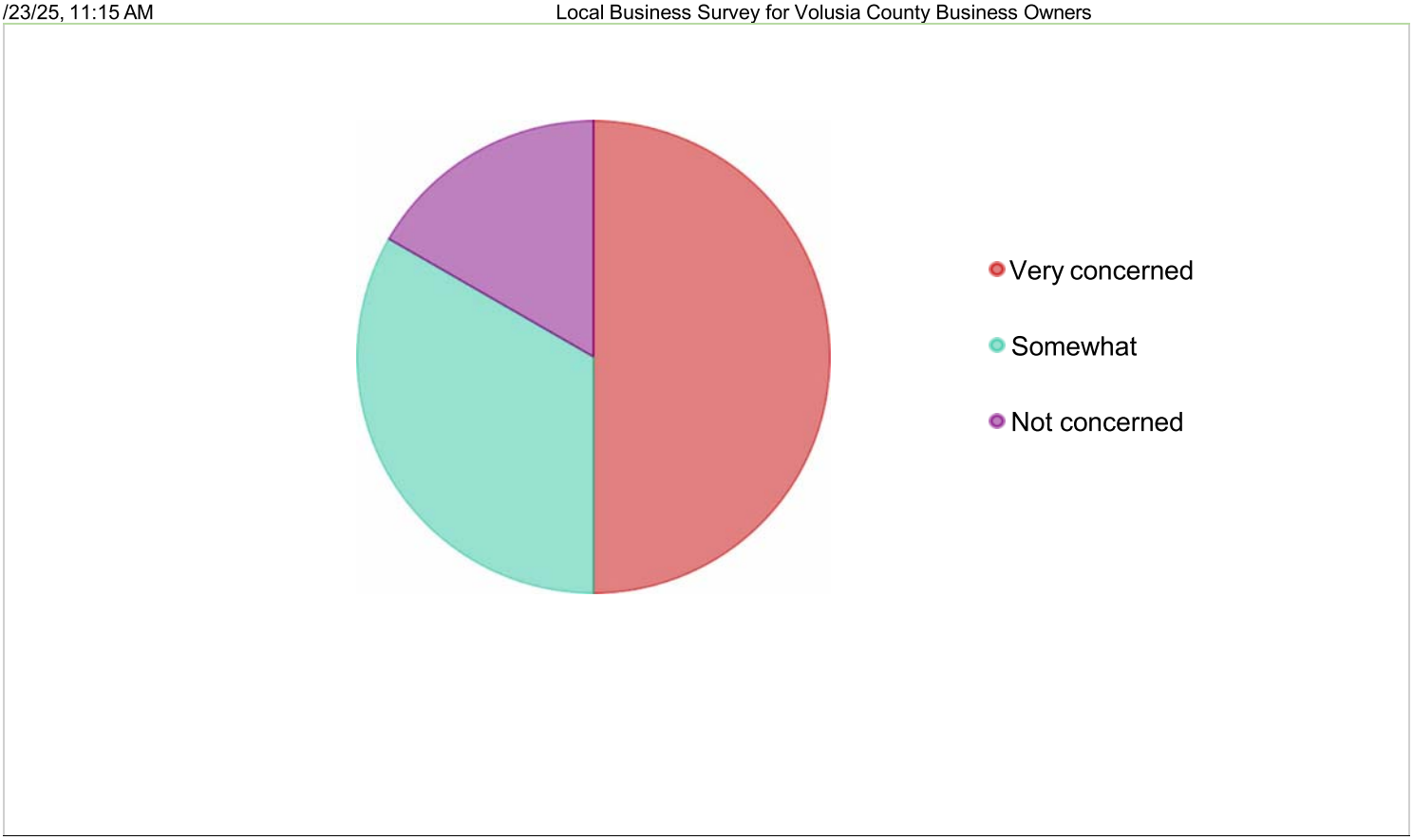
**How concerned are you about the possibility of your business being flooded?**




| Answers | Count | Percentage |
|---|---|---|
| Not concerned | 3 | 50% |
| Very concerned | 2 | 33.33% |
| Somewhat | 1 | 16.67% |

Answered: 6 Skipped: 0

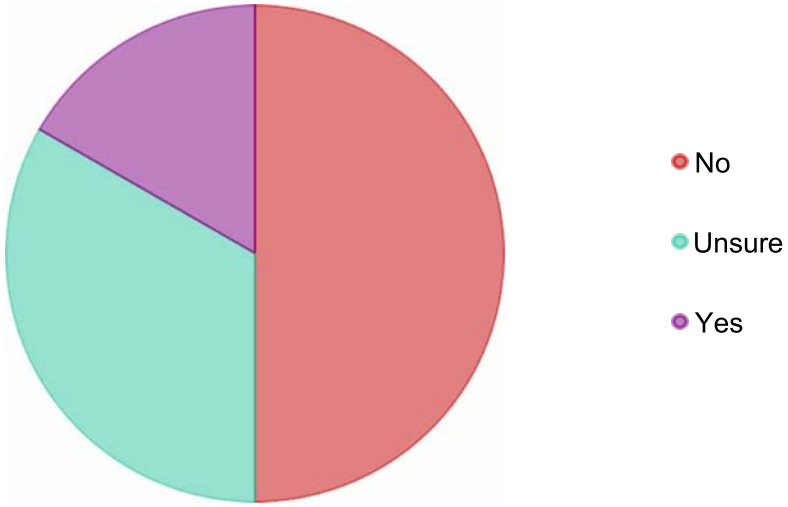
**How concerned are you about the possibility of the streets accessing your…**


Very concerned
Somewhat
Not concerned

| Answers | Count | Percentage |
|---|---|---|
| Very concerned | 3 | 50% |
| Somewhat | 2 | 33.33% |
| Not concerned | 1 | 16.67% |

Answered: 6 Skipped: 0

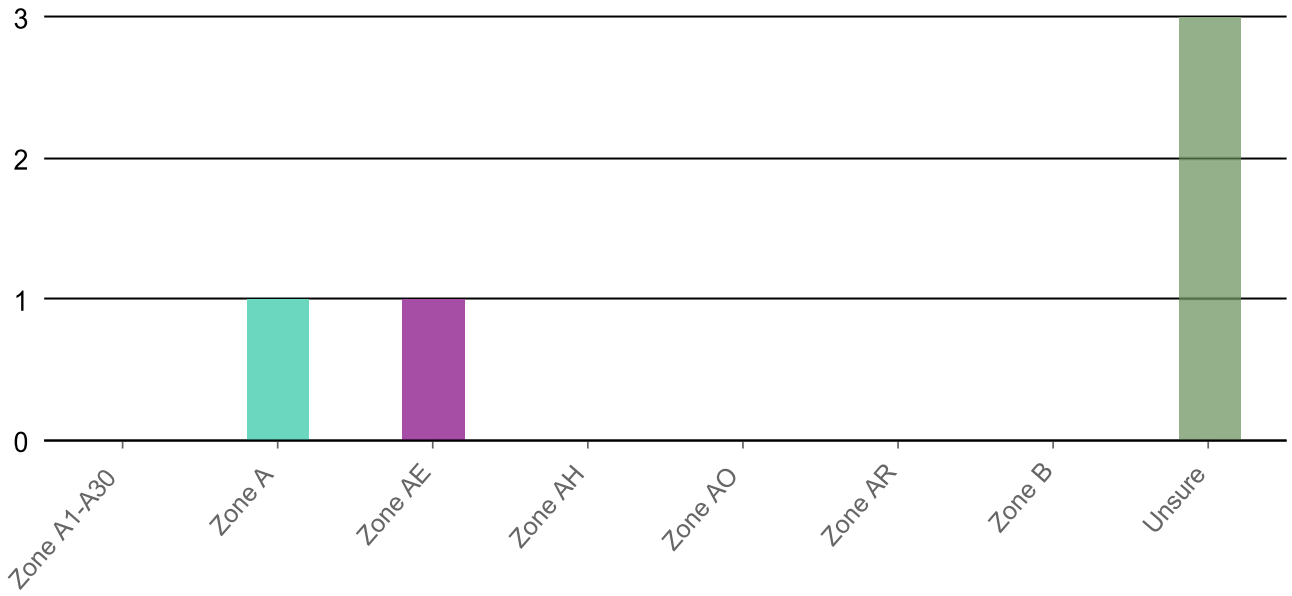
**Is your business located within a designated flood hazard zone (floodplain)?**




| Answers | Count | Percentage |
|---|---|---|
| No | 3 | 50% |
| Unsure | 2 | 33.33% |
| Yes | 1 | 16.67% |

Answered: 6 Skipped: 0

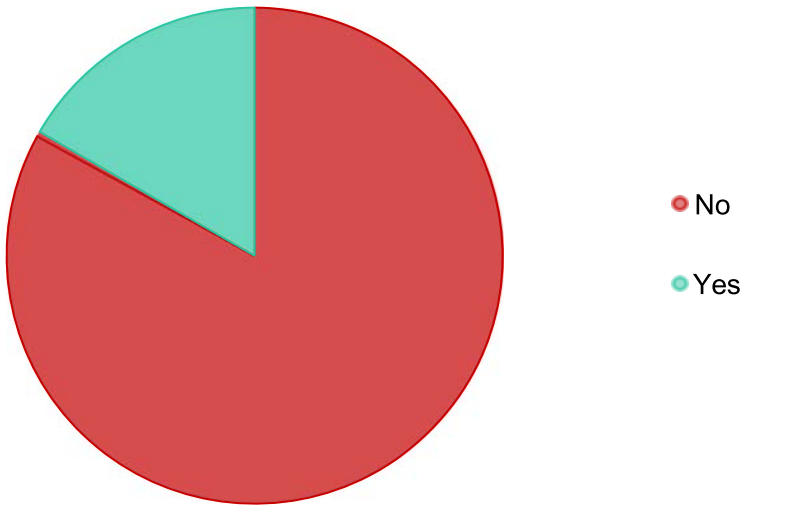
**Which zone is your property located in?**




| Answers | Count | Percentage |
|---|---|---|
| Zone A1-A30 | 0 | 0% |
| Zone A | 1 | 16.67% |
| Zone AE | 1 | 16.67% |
| Zone AH | 0 | 0% |
| Zone AO | 0 | 0% |
| Zone AR | 0 | 0% |
| Zone B | 0 | 0% |
| Unsure | 3 | 50% |

Answered: 5 Skipped: 1

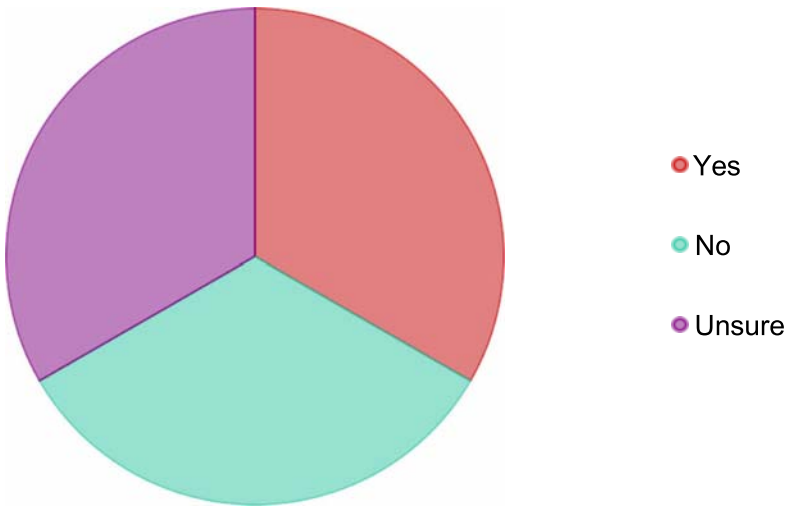
**Was being located in a flood zone a concern in locating your business at its…**




| Answers | Count | Percentage |
|---|---|---|
| No | 5 | 83.33% |
| Yes | 1 | 16.67% |

Answered: 6 Skipped: 0

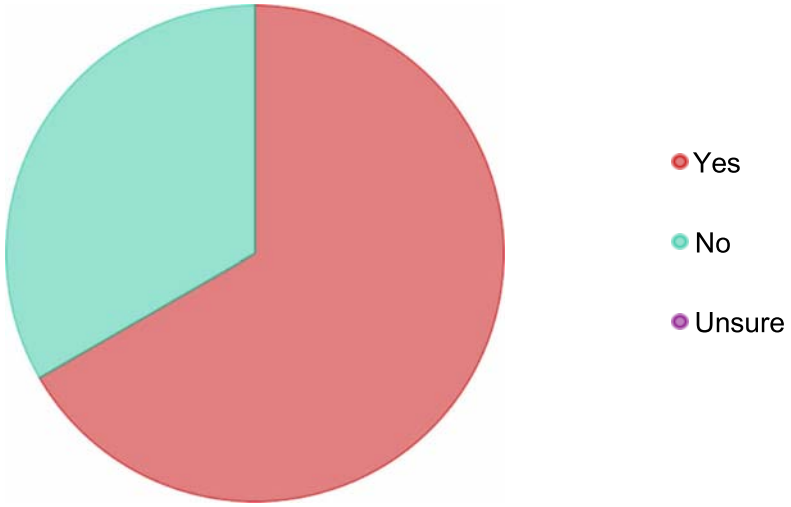
**Has your place of business ever flooded due to natural/environmental causes?**



| Answers | Count | Percentage |
|---|---|---|
| Yes | 2 | 33.33% |
| No | 2 | 33.33% |
| Unsure | 2 | 33.33% |

Answered: 6 Skipped: 0

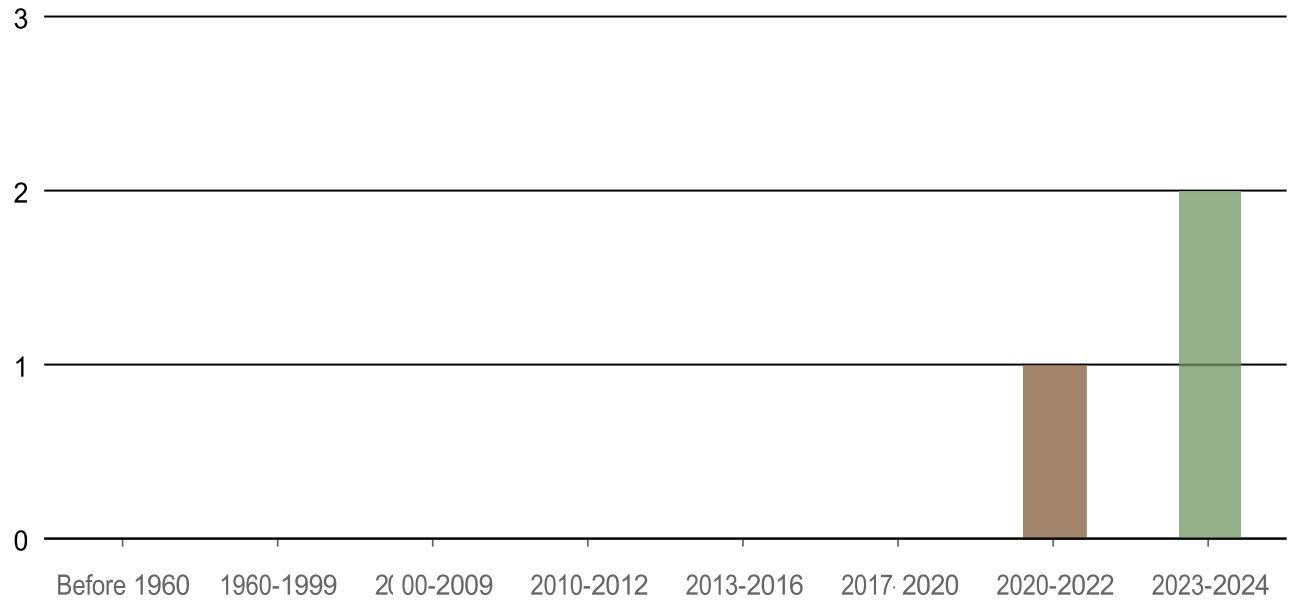
**Have you seen an increase in the frequency or duration of flood events?**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 4 | 66.67% |
| No | 2 | 33.33% |
| Unsure | 0 | 0% |

Answered: 6 Skipped: 0

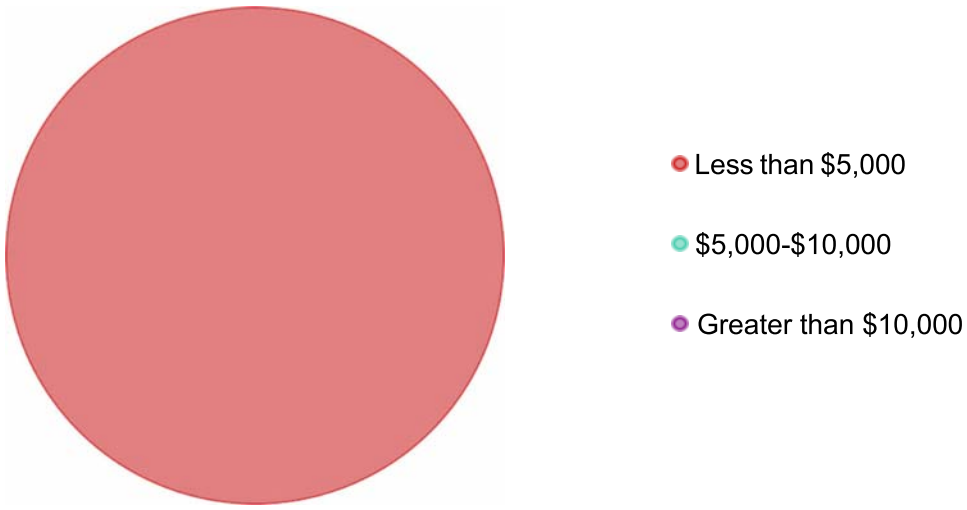
**To the best of your knowledge, during which period has your place of business flood?**




| Answers | Count | Percentage |
|---|---|---|
| Before 1960 | 0 | 0% |
| 1960-1999 | 0 | 0% |
| 2000-2009 | 0 | 0% |
| 2010-2012 | 0 | 0% |
| 2013-2016 | 0 | 0% |
| 2017-2020 | 0 | 0% |
| 2020-2022 | 1 | 16.67% |
| 2023-2024 | 2 | 33.33% |

Answered: 2 Skipped: 4

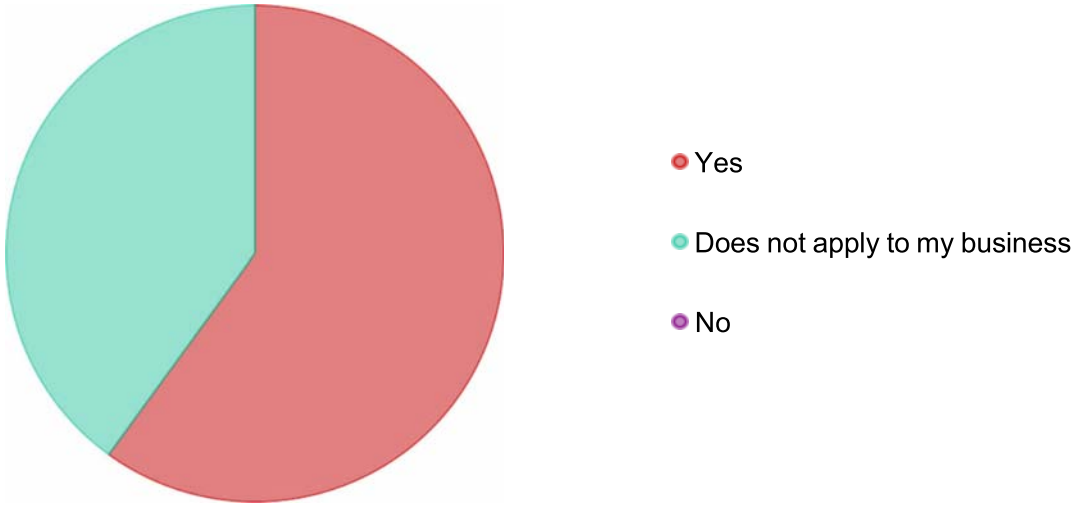
**What was the approximate dollar value of all damages and losses to your…**




| Answers | Count | Percentage |
|---|---|---|
| Less than $5,000 | 4 | 66.67% |
| $5,000-$10,000 | 0 | 0% |
| Greater than $10,000 | 0 | 0% |

Answered: 4 Skipped: 2

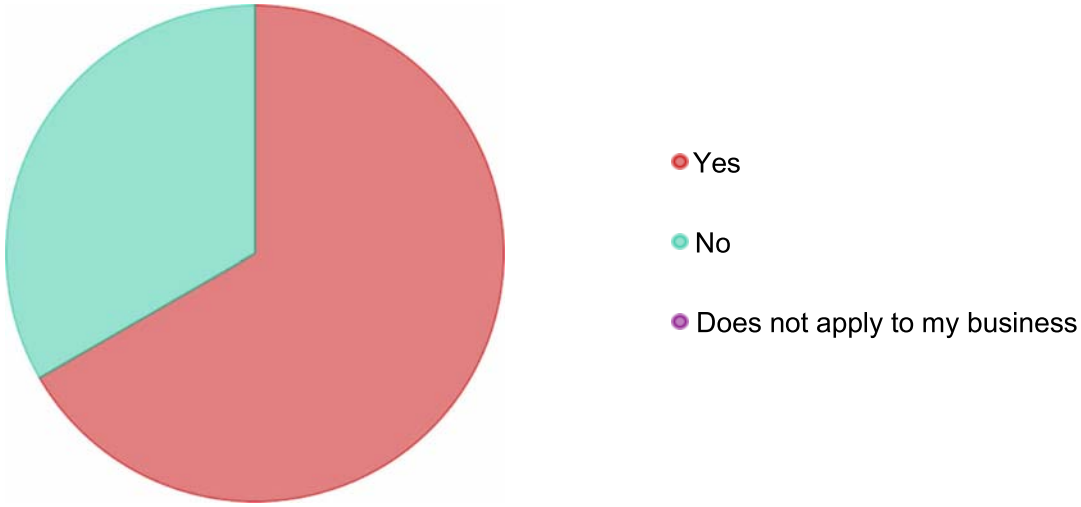
**Did your business have flood insurance during time of flood events?**



| Answers | Count | Percentage |
|---|---|---|
| Yes | 3 | 50% |
| Does not apply to my business | 2 | 33.33% |
| No | 0 | 0% |

Answered: 5 Skipped: 1

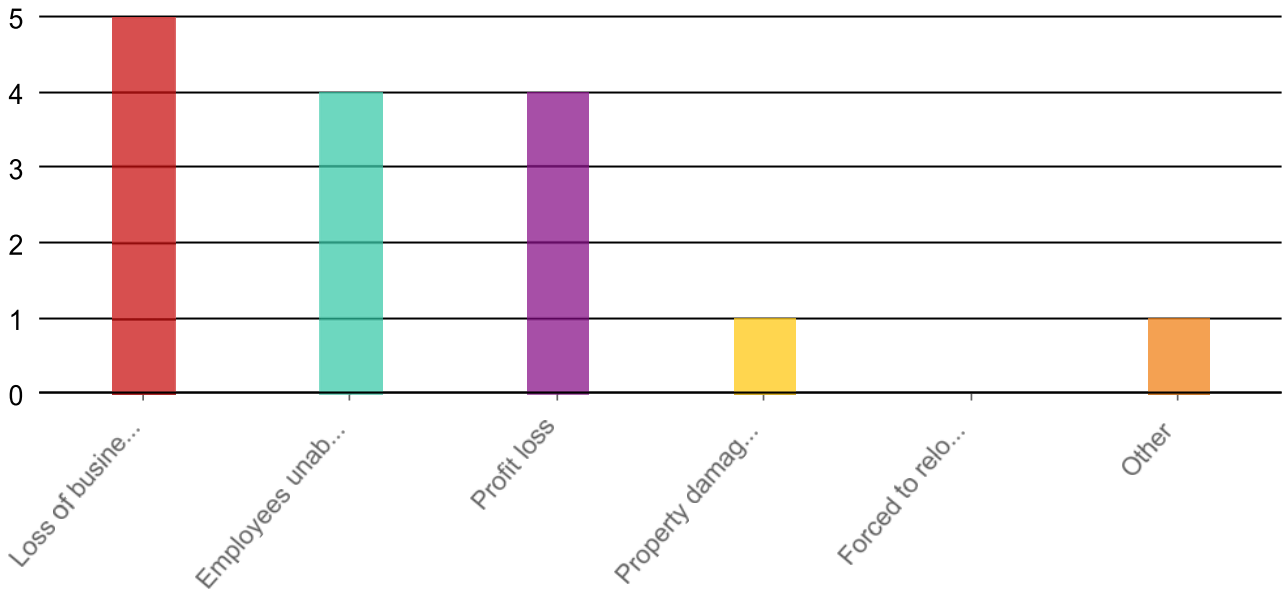
**Has roadway flooding ever impacted access to your business?**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 4 | 66.67% |
| No | 2 | 33.33% |
| Does not apply to my business | 0 | 0% |

Answered: 6 Skipped: 0

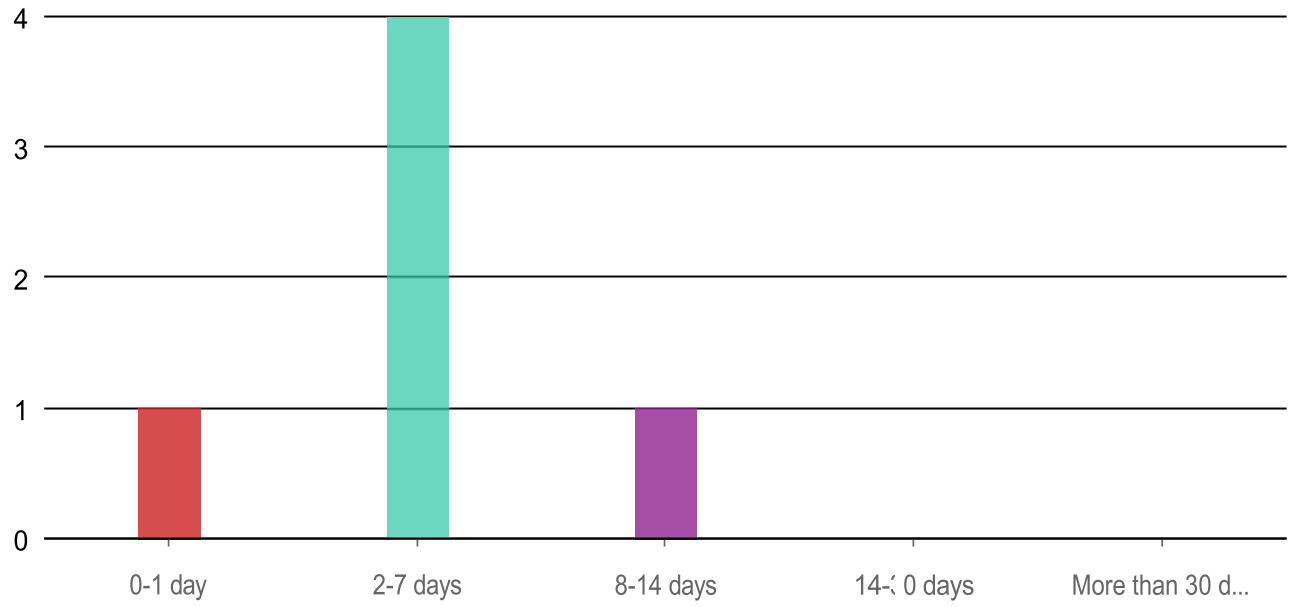
**Describe, if any, the economic effect local flooding has on your business?**




| Answers | Count | Percentage |
|---|---|---|
| Loss of business days | 5 | 83.33% |
| Employees unable to work | 4 | 66.67% |
| Profit loss | 4 | 66.67% |
| Property damage | 1 | 16.67% |
| Forced to relocate | 0 | 0% |
| Other | 1 | 16.67% |

Answered: 6 Skipped: 0

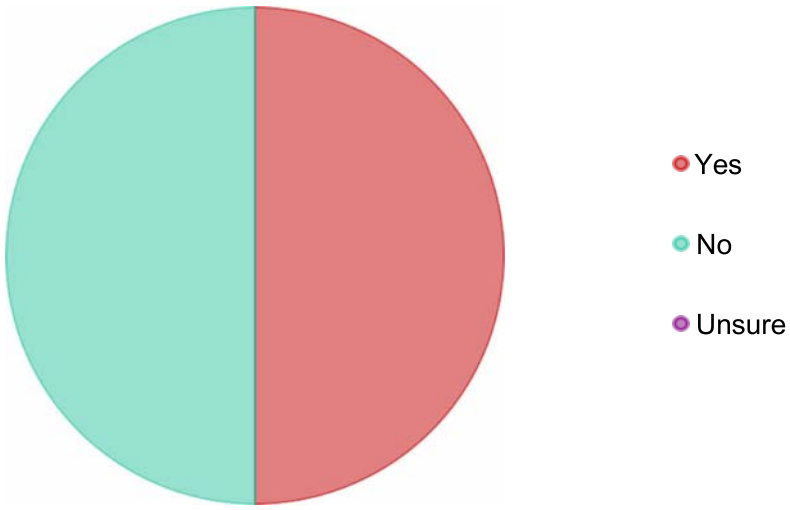
**Approximately how many days in the past five years (2019-2024) has your…**




| Answers | Count | Percentage |
|---|---|---|
| 0-1 day | 1 | 16.67% |
| 2-7 days | 4 | 66.67% |
| 8-14 days | 1 | 16.67% |
| 14-30 days | 0 | 0% |
| More than 30 days in the past five years | 0 | 0% |

Answered: 6 Skipped: 0

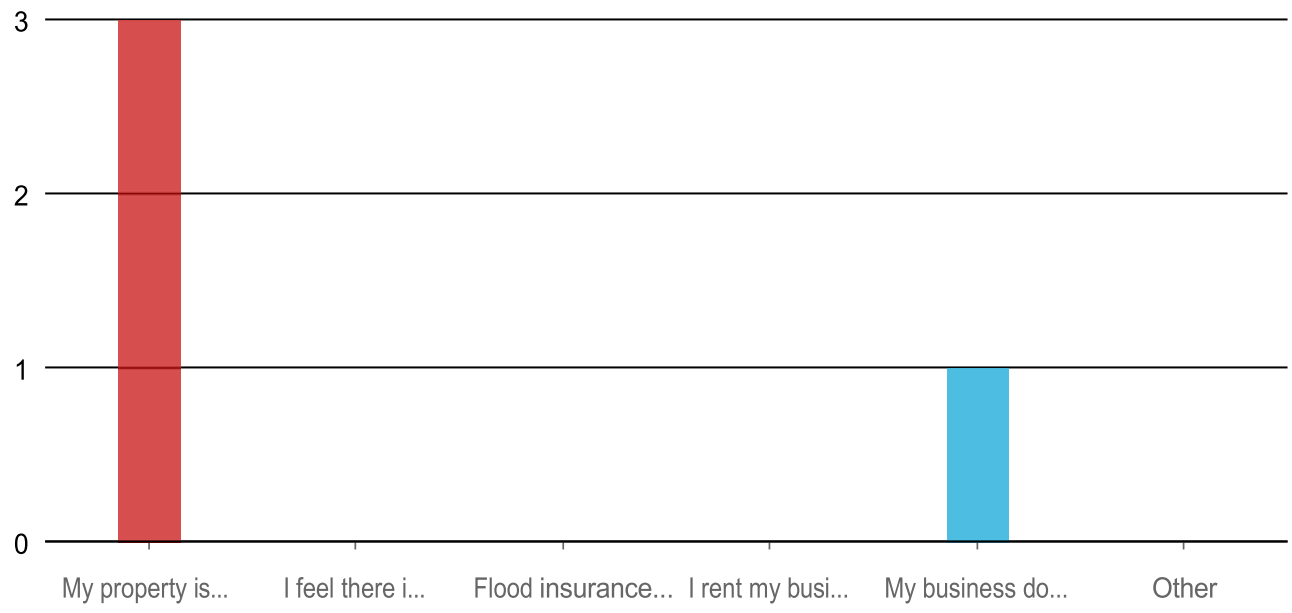
**Does your business currently have flood insurance?**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 3 | 50% |
| No | 3 | 50% |
| Unsure | 0 | 0% |

Answered: 6 Skipped: 0

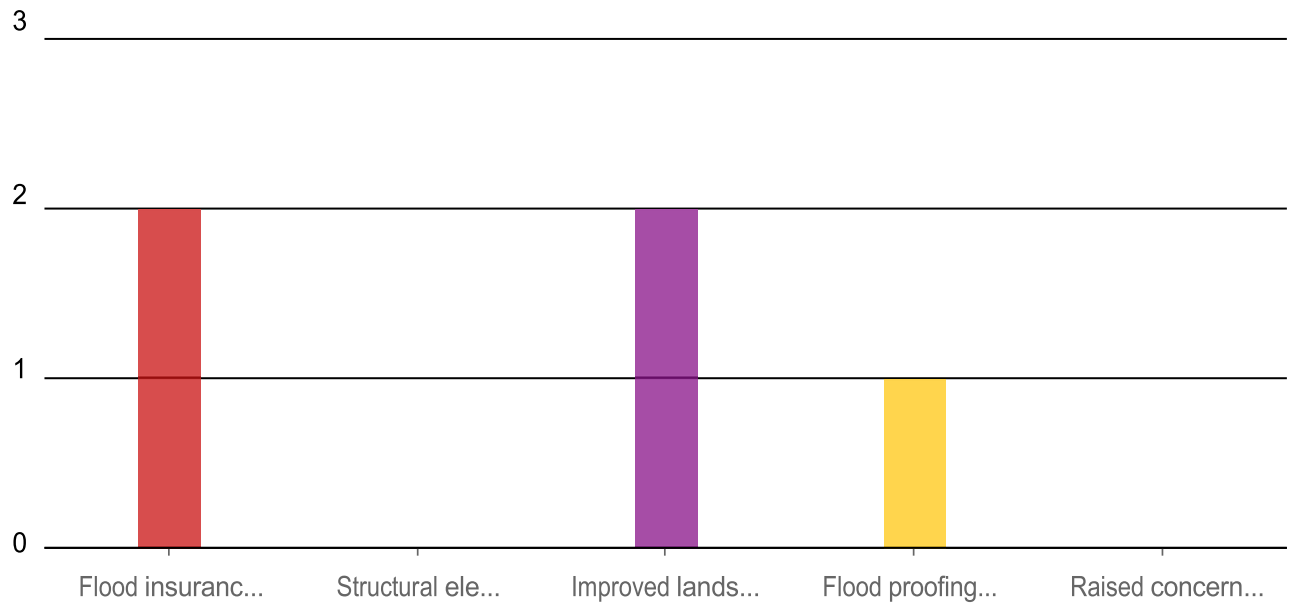
**Which statement best describes why you do not have flood insurance?**



| Answers | Count | Percentage |
|---|---|---|
| My property is outside a flood zone | 3 | 50% |
| I feel there is no real threat | 0 | 0% |
| Flood insurance is not cost effective | 0 | 0% |
| I rent my business | 0 | 0% |
| My business does need flood insurance to operate | 1 | 16.67% |
| Other | 0 | 0% |

Answered: 4 Skipped: 2

**If flood mitigation efforts have been implemented on your property, please check all that…**

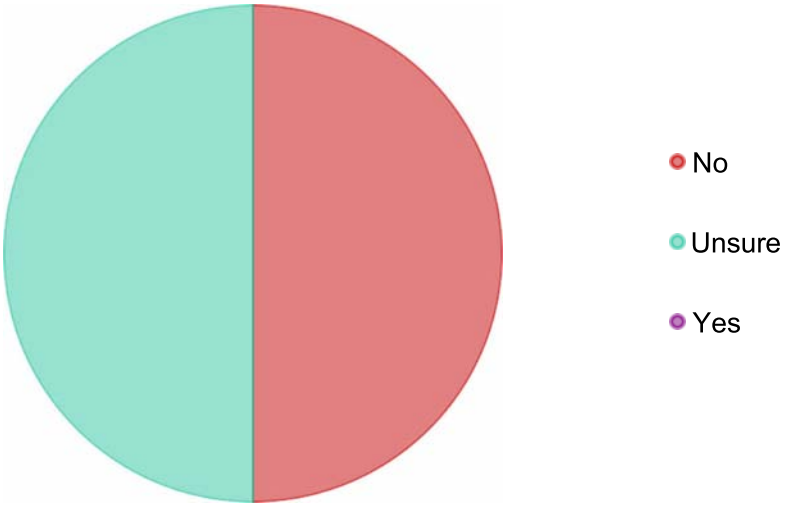



| Answers | Count | Percentage |
|---|---|---|
| Flood insurance | 2 | 33.33% |
| Structural elevation | 0 | 0% |
| Improved landscaping to filter / capture water | 2 | 33.33% |
| Flood proofing building prior to predicated flood events (sealin sand bagging, etc.) | 1 | 16.67% g, |

| | | |
|---|---|---|
| Raised concerns to local business organizations or elected officials | 0 | 0% |

Answered: 3 Skipped: 3

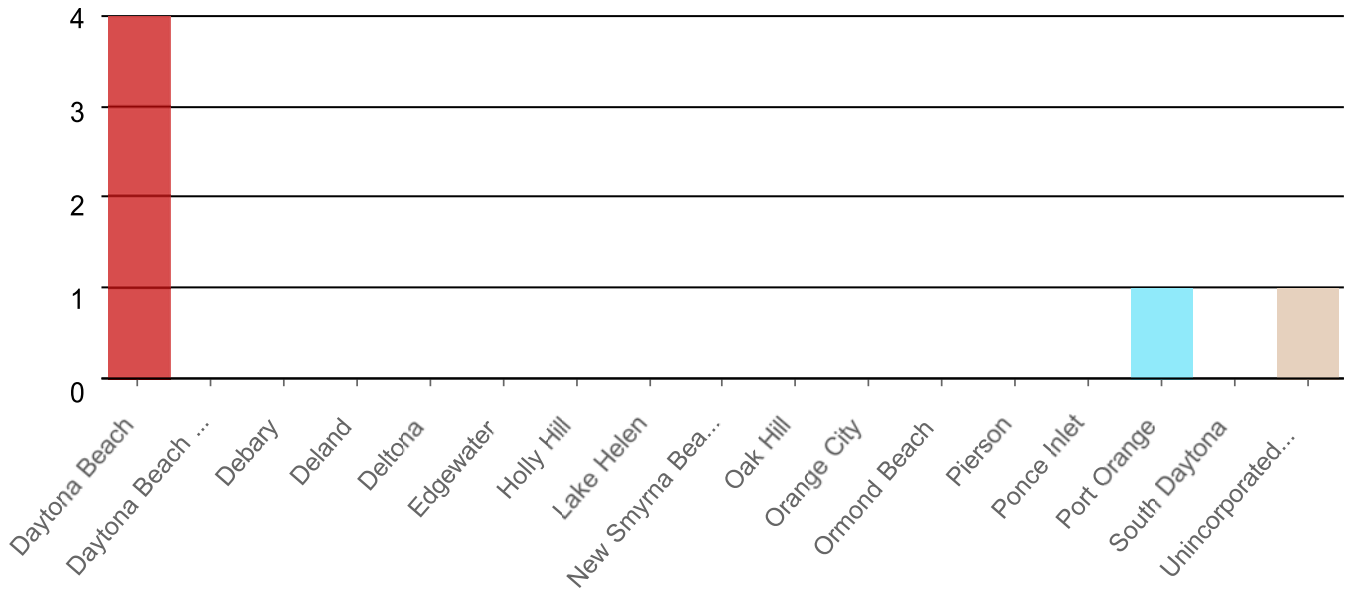
**Is your property classified as a repetitive flood loss property?**




| Answers | Count | Percentage |
|---|---|---|
| No | 3 | 50% |
| Unsure | 3 | 50% |
| Yes | 0 | 0% |

Answered: 6 Skipped: 0

**Your property is located in which jurisdiction?**

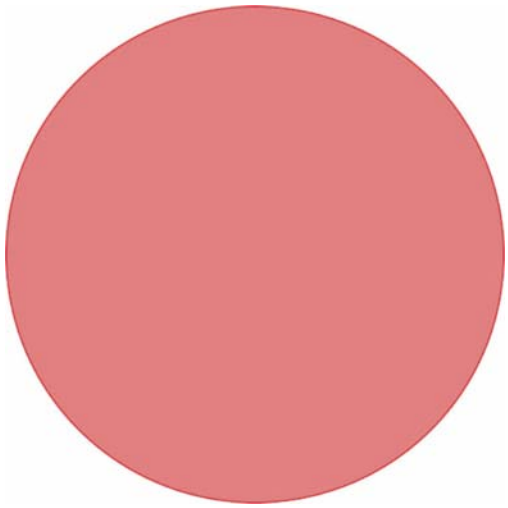



| Answers | Count | Percentage |
|---|---|---|
| Daytona Beach | 4 | 66.67% |
| Daytona Beach Shores | 0 | 0% |
| Debary | 0 | 0% |
| Deland | 0 | 0% |
| Deltona | 0 | 0% |
| Edgewater | 0 | 0% |
| Holly Hill | 0 | 0% |
| Lake Helen | 0 | 0% |
| New Smyrna Beach | 0 | 0% |
| Oak Hill | 0 | 0% |
| Orange City | 0 | 0% |
| Ormond Beach | 0 | 0% |
| Pierson | 0 | 0% |
| Ponce Inlet | 0 | |

| | | |
|---|---|---|
| Port Orange | 1 | 16.67% |
| South Daytona | 0 | 0% |
| Unincorporated | 1 | 16.67% |

Answered: 6 Skipped: 0

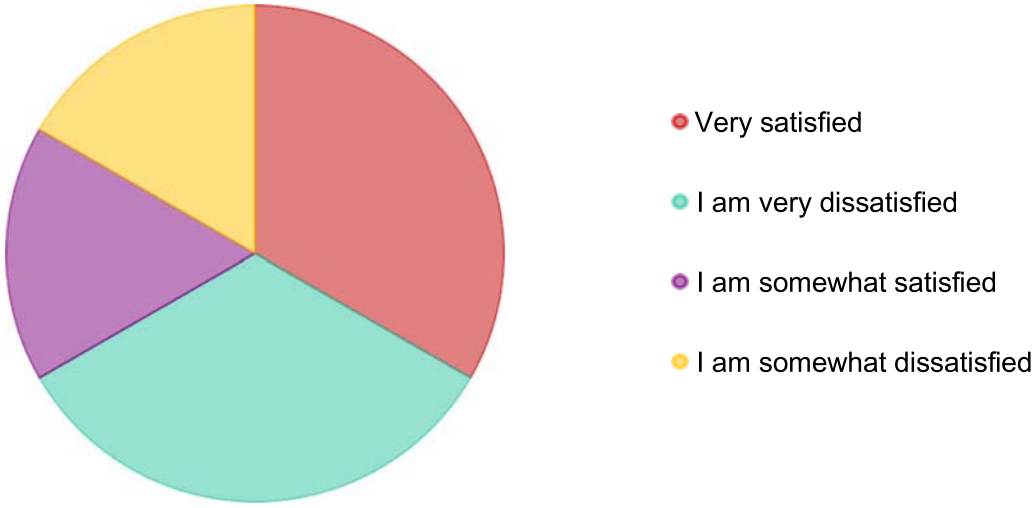
**Did you know that you can view the current flood plain and other County-wid…**




| Answers | Count | Percentage |
|---|---|---|
| Yes, I am aware of this website | 6 | 100% |
| No, I am not aware of this website | 0 | 0% |

Answered: 6 Skipped: 0

**How satisfied are you with how your jurisdiction handles outreach concernin…**

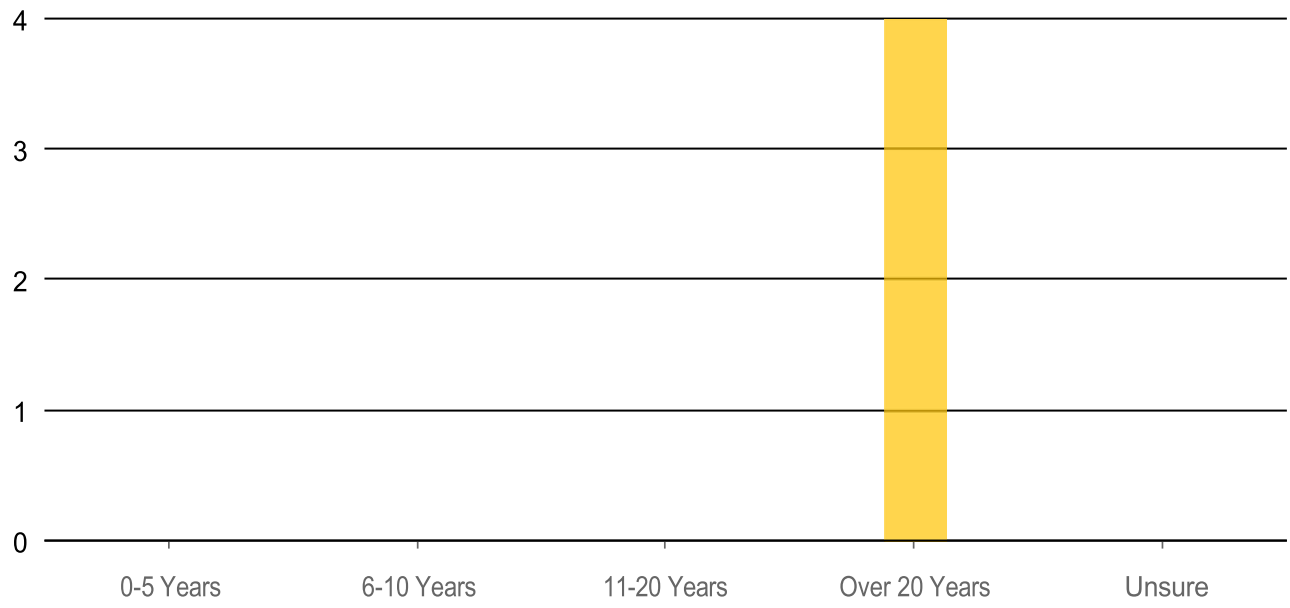



| Answers | Count | Percentage |
|---|---|---|
| Very satisfied | 2 | 33.33% |
| I am very dissatisfied | 2 | 33.33% |
| I am somewhat satisfied | 1 | 16.67% |
| I am somewhat dissatisfied | 1 | 16.67% |

Answered: 6 Skipped: 0

# Neighborhood Association Survey for Volusia Residents

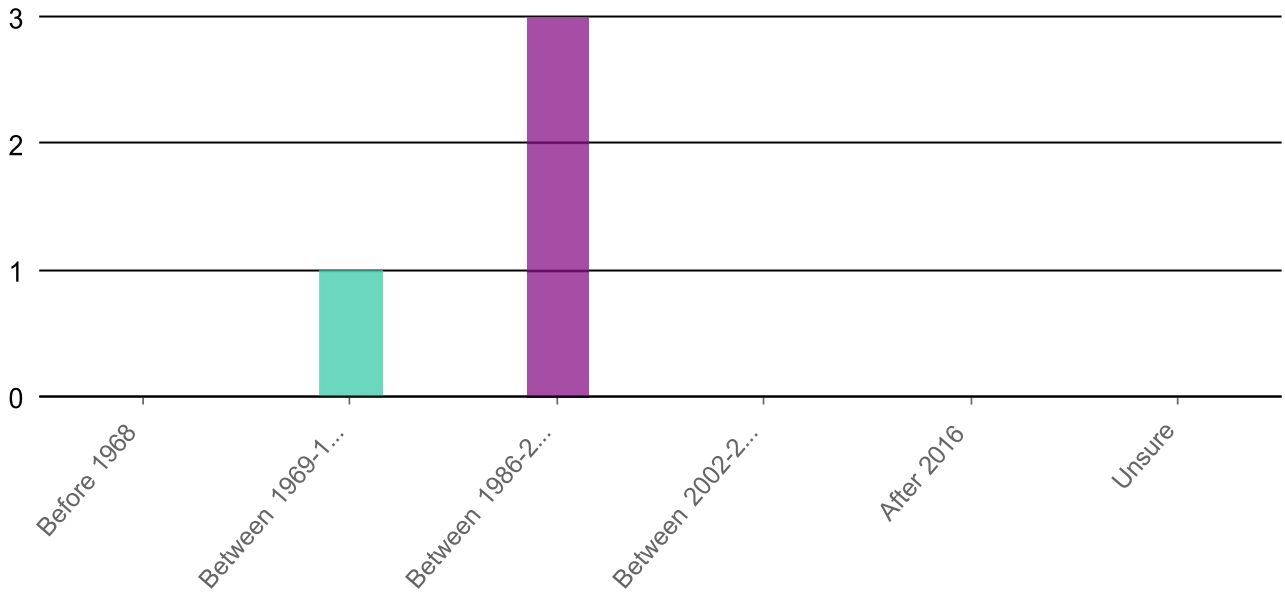
**How long has your neighborhood association been active?**




| Answers | Count | Percentage |
|---|---|---|
| 0-5 Years | 0 | 0% |
| 6-10 Years | 0 | 0% |
| 11-20 Years | 0 | 0% |
| Over 20 Years | 4 | 100% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

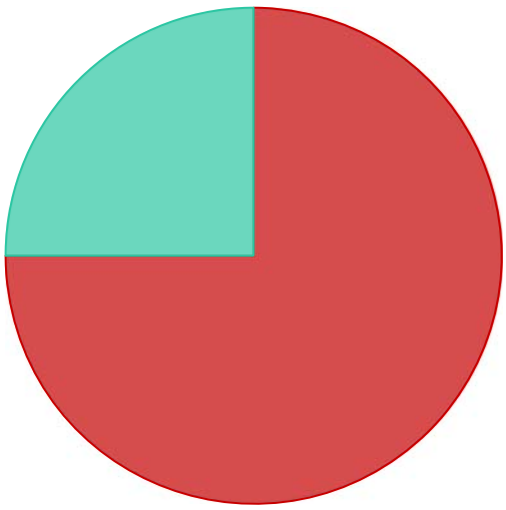
**In what year were most of the homes in your coverage area built?**




| Answers | Count | Percentage |
|---|---|---|
| Before 1968 | 0 | 0% |
| Between 1969-1987 | 1 | 25% |
| Between 1986-2001 | 3 | 75% |
| Between 2002-2015 | 0 | 0% |
| After 2016 | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

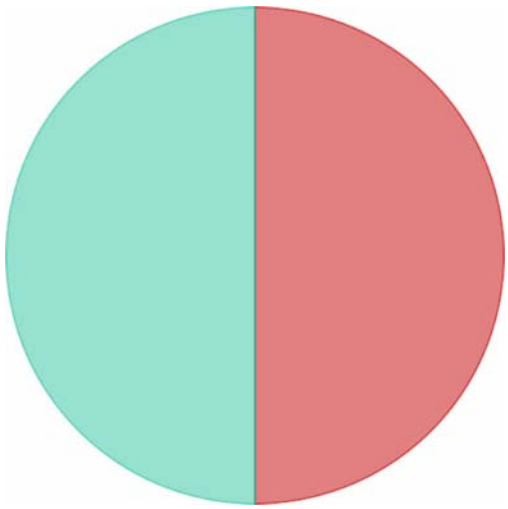
**Is flooding a concern for property owners in your association?**




| Answers | Count | Percentage |
|---|---|---|
| Yes, property owners are very concerned about flooding | 3 | 75% |
| Yes, property owners are somewhat concerned about flooding | 1 | 25% |
| No, property owners are not concerned about flooding | 0 | 0% |
| Not applicable | 0 | 0% |

Answered: 4 Skipped: 0

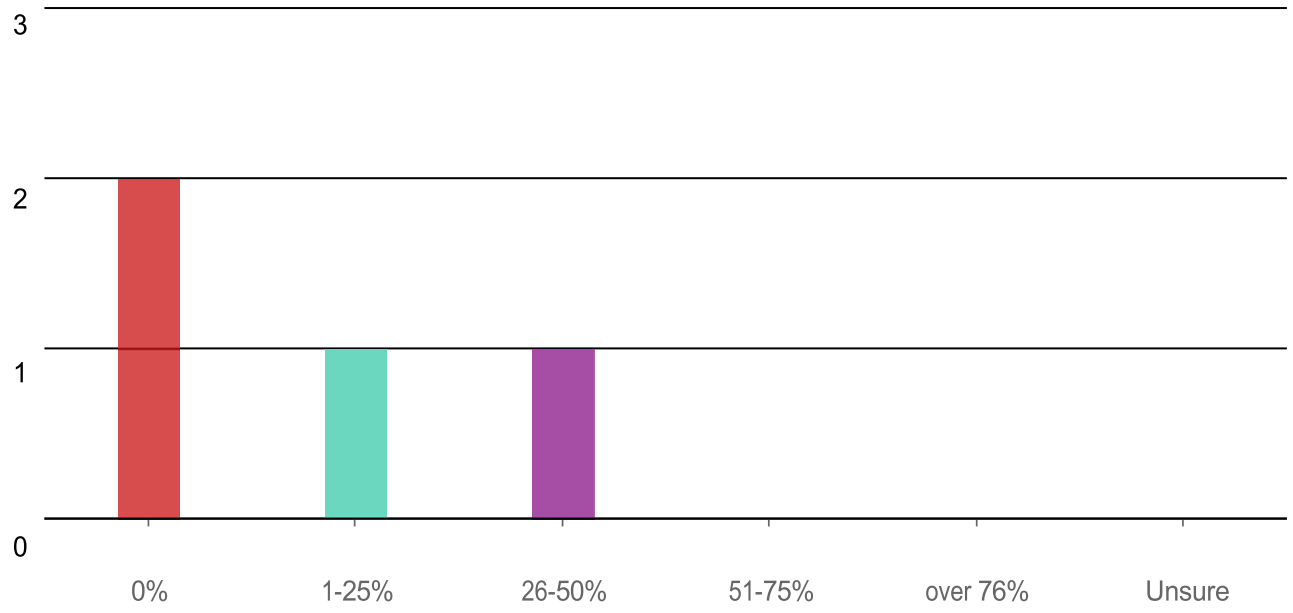
**Is your HOA neighborhood located in the floodplain?**



| Answers | Count | Percentage |
|---|---|---|
| Yes, portions of our neighborhood are located in the floodplain | 2 | 50% |
| No portion of our neighborhood is located in the floodplain | 2 | 50% |
| Yes, our entire neighborhood is located in the floodplain | 0 | 0% |
| Unknown | 0 | 0% |

Answered: 4 Skipped: 0

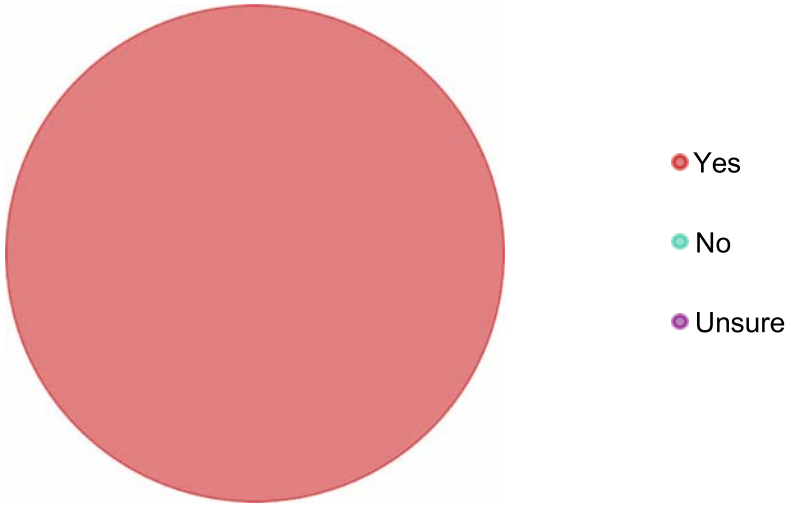
**Approximately what percentage of the homes within your association are…**




| Answers | Count | Percentage |
|---|---|---|
| 0% | 2 | 50% |
| 1-25% | 1 | 25% |
| 26-50% | 1 | 25% |
| 51-75% | 0 | 0% |
| over 76% | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

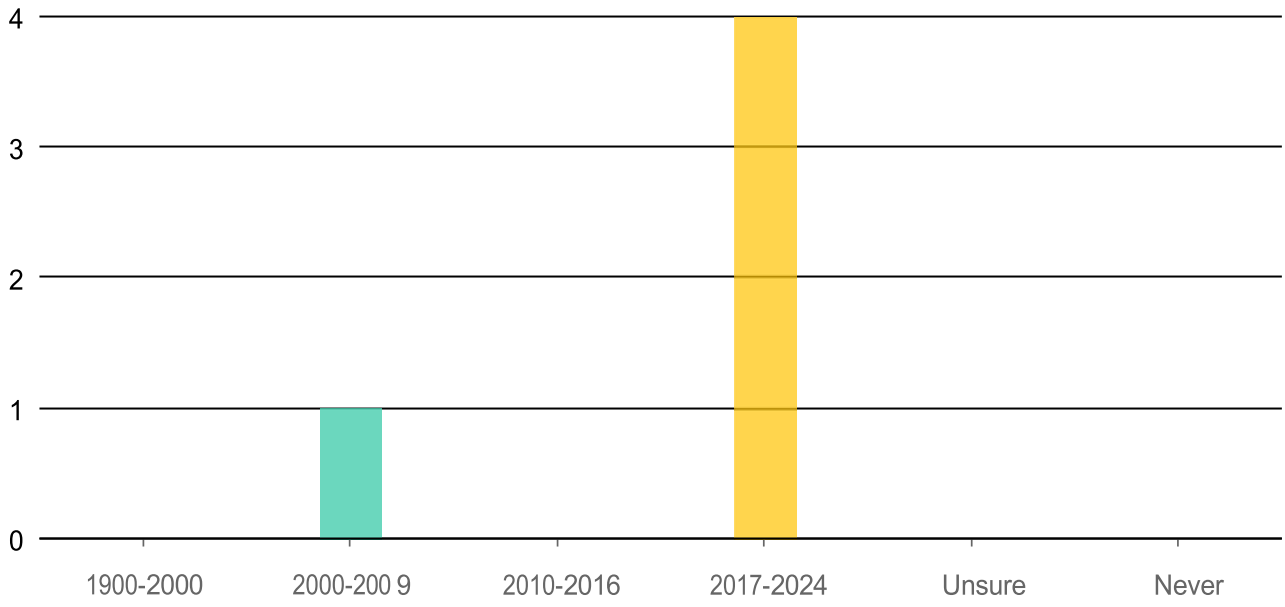
**Have homes in your association ever flooded due to natural environmental…**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 4 | 100% |
| No | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

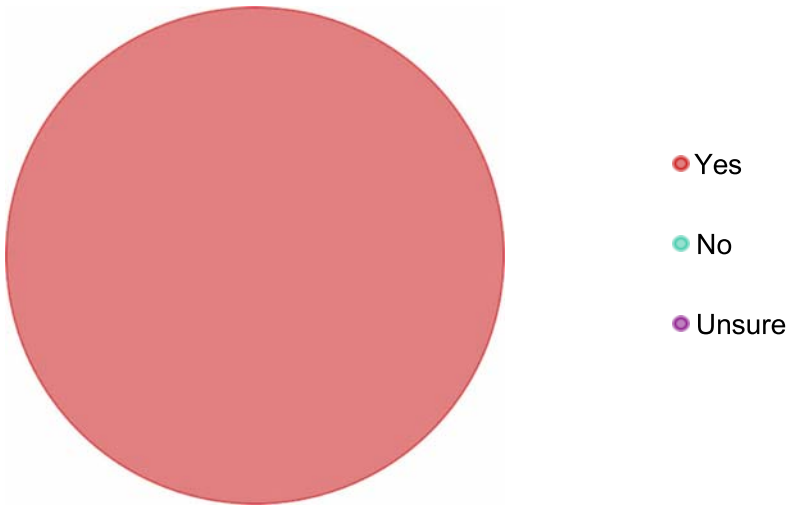
**To the best of your knowledge, during which time period did flood occur in your…**




| Answers | Count | Percentage |
|---|---|---|
| 1900-2000 | 0 | 0% |
| 2000-2009 | 1 | 25% |
| 2010-2016 | 0 | 0% |
| 2017-2024 | 4 | 100% |
| Unsure | 0 | 0% |
| Never | 0 | 0% |

Answered: 4 Skipped: 0

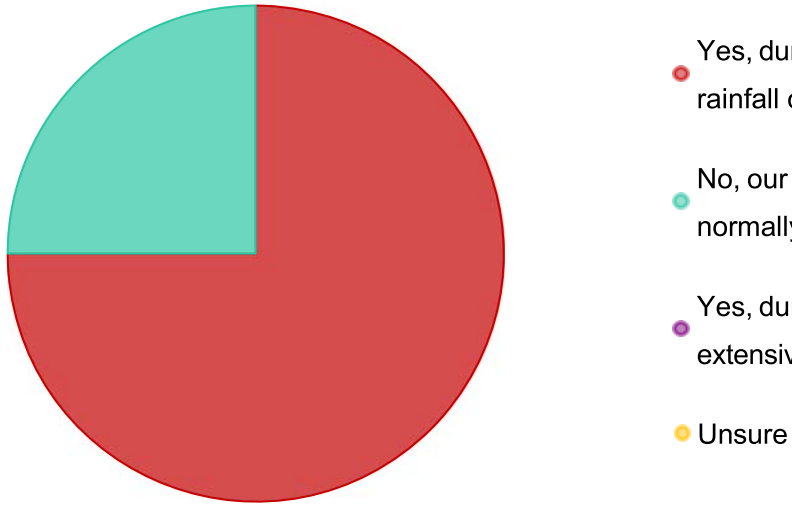
**Have you noticed an increase in frequency and duration of home flood events?**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 4 | 100% |
| No | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

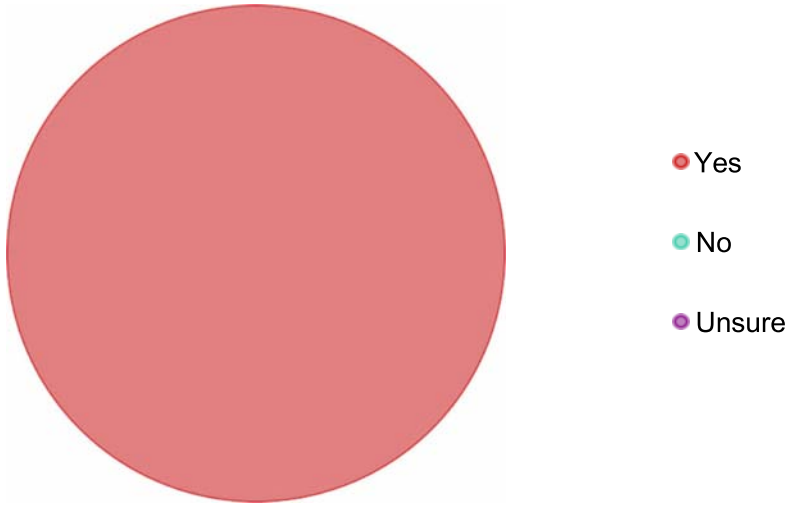
**Do the roadways in your neighborhood experience major flooding during…**



| Answers | Count | Percentage |
|---|---|---|
| Yes, during extensive rainfall only | 3 | 75% |
| No, our streets do not normally flood | 1 | 25% |
| Yes, during both normal and extensive | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

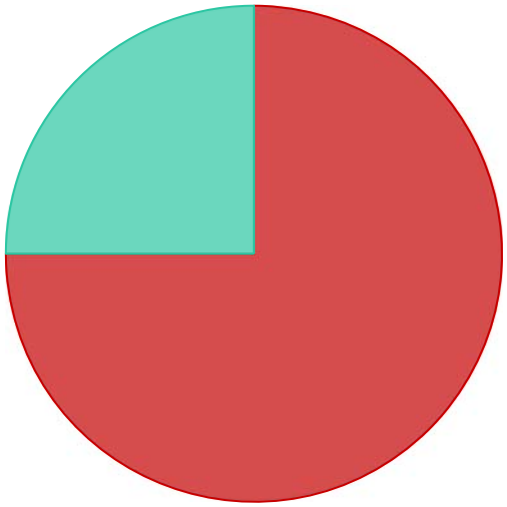
**Have you noticed an increase in frequency and duration of roadway flood…**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 4 | 100% |
| No | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

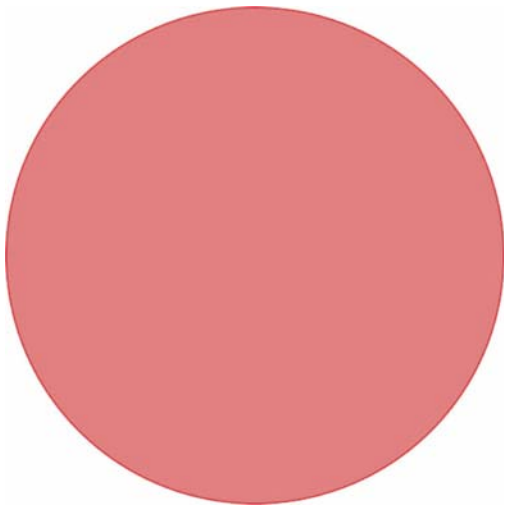
**Do retention ponds in your neighborhood flood during normal or extensive…**




| Answers | Count | Percentage |
|---|---|---|
| Yes, during extensive rainfall only | 3 | 75% |
| No, our ponds do not normally flood | 1 | 25% |
| Yes, during both normal and extensive | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

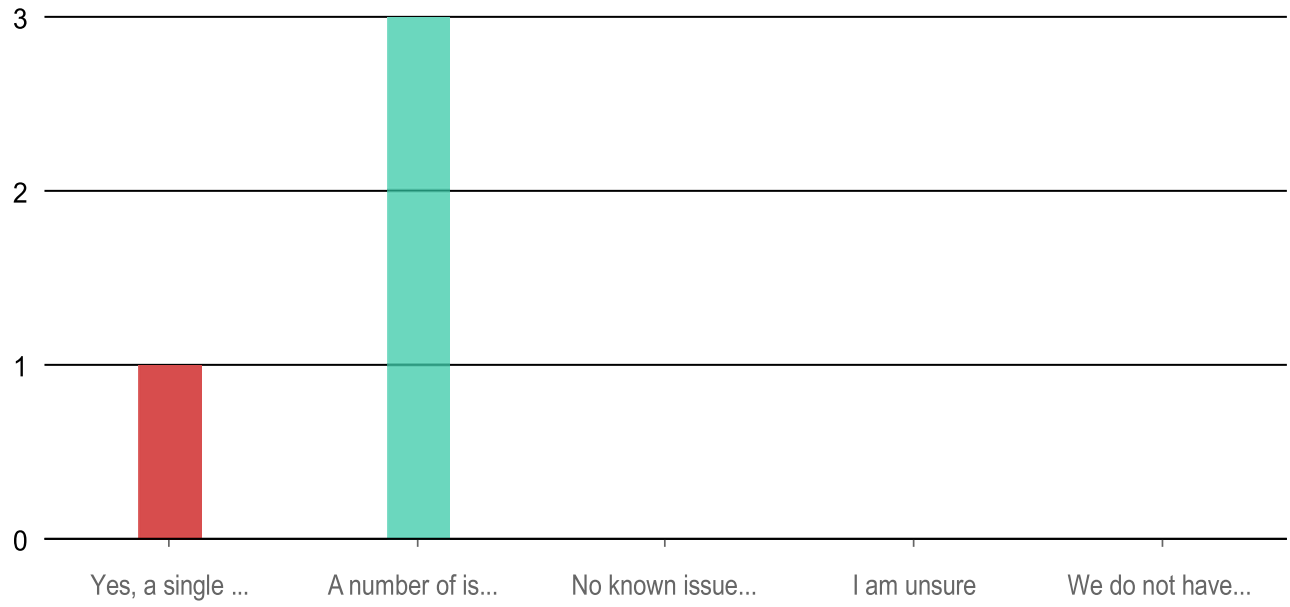
**Have you noticed an increase in frequency and duration of pond flood events?**



| Answers | Count | Percentage |
|---|---|---|
| Yes | 4 | 100% |
| No | 0 | 0% |
| Unsure | 0 | 0% |

Answered: 4 Skipped: 0

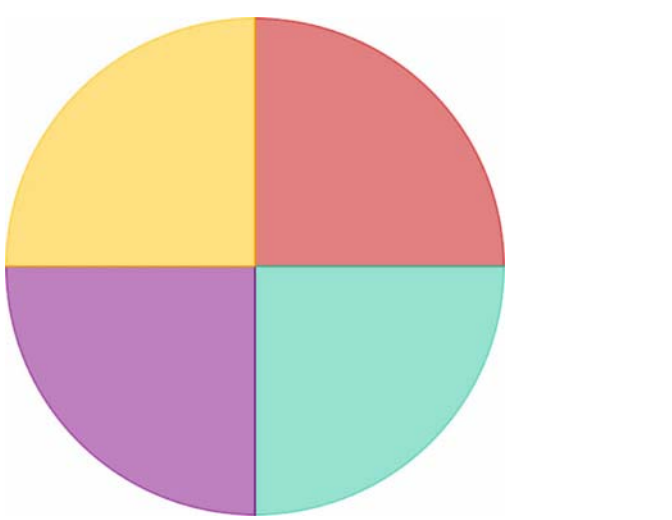
**Has a known problem area been identified as the source of most flooding…**




| Answers | Count | Percentage |
|---|---|---|
| Yes, a single issue has been identified as the main contributor to the flooding | 1 | 25% |
| A number of issues have been identified which contribute to the flooding | 3 | 75% |
| No known issues or sources have been identified which contribute to the flooding | 0 | 0% |
| I am unsure | 0 | 0% |
| We do not have flooding issues | 0 | 0% |

Answered: 4 Skipped: 0

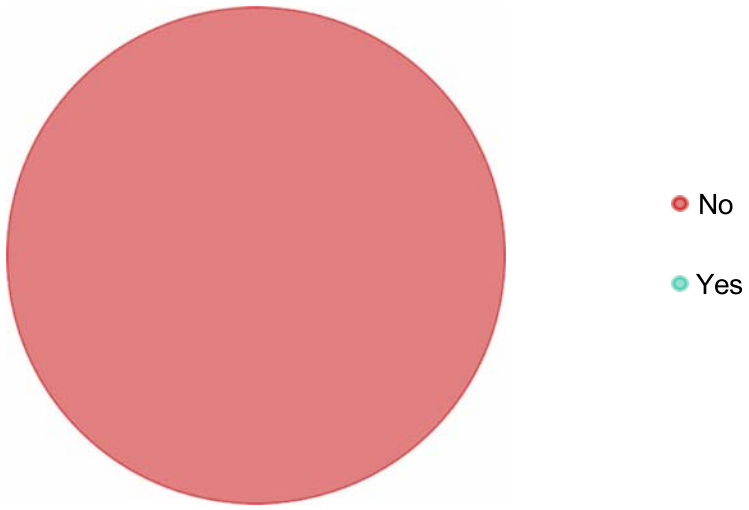
**Have homes in your association undergone flood mitigation efforts?**




| Answers | Count | Percentage |
|---|---|---|
| Yes, a majority of homes have undergone flood mitigation efforts | 1 | 25% |
| Yes, some homes have undergone flood mitigation efforts | 1 | 25% |
| No homes have undergone flood mitigation efforts | 1 | 25% |
| Unsure | 1 | 25% |

Answered: 4 Skipped: 0

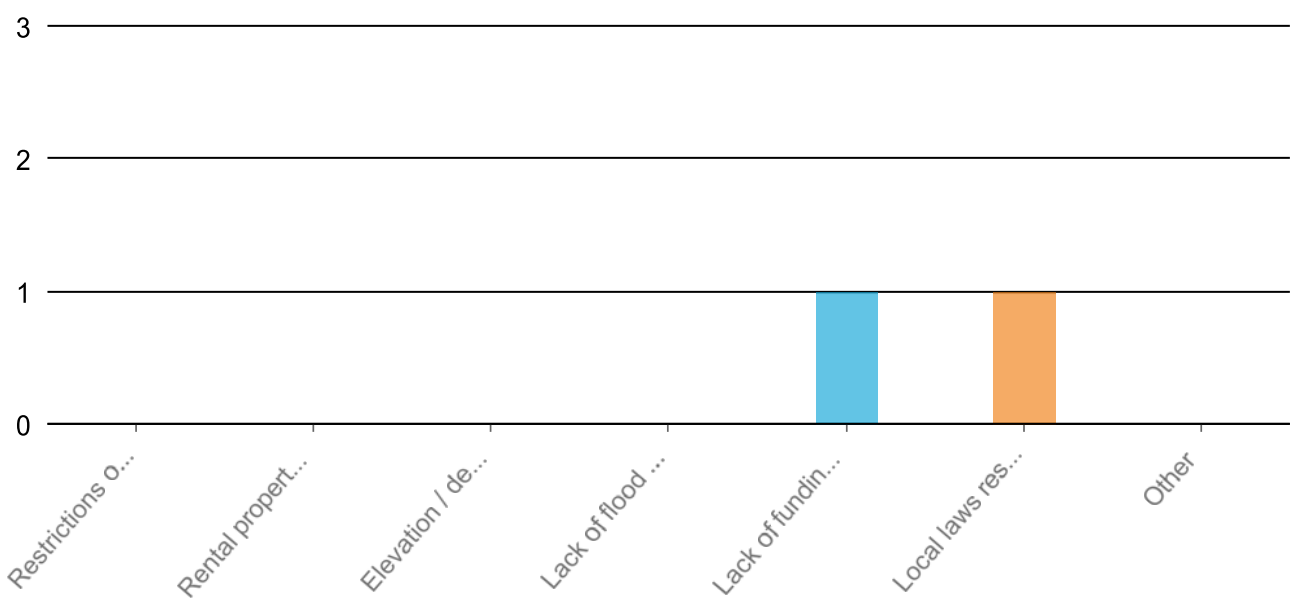
**Are there any HOA restrictions to structural improvements that, if removed,…**




| Answers | Count | Percentage |
|---|---|---|
| No | 4 | 100% |
| Yes | 0 | 0% |

Answered: 4 Skipped: 0

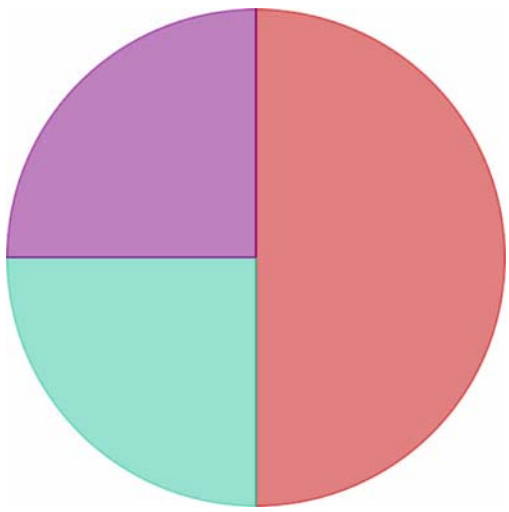
**Select the types of restrictions in your HOA that prevent flood mitigation efforts.**



| Answers | Count | Percentage |
|---|---|---|
| Restrictions on landscaping in governing documents | 0 | 0% |
| Rental properties not properly maintained | 0 | 0% |
| Elevation / design restrictions | 0 | 0% |
| Lack of flood insurance coverage | 0 | 0% |
| Lack of funding for proper infrastructure maintenance | 1 | 25% |
| Local laws restricting mitigation | 1 | 25% |
| Other | 0 | 0% |

Answered: 1 Skipped: 3

**Has your association ever implemented large-scale flood mitigation efforts?**

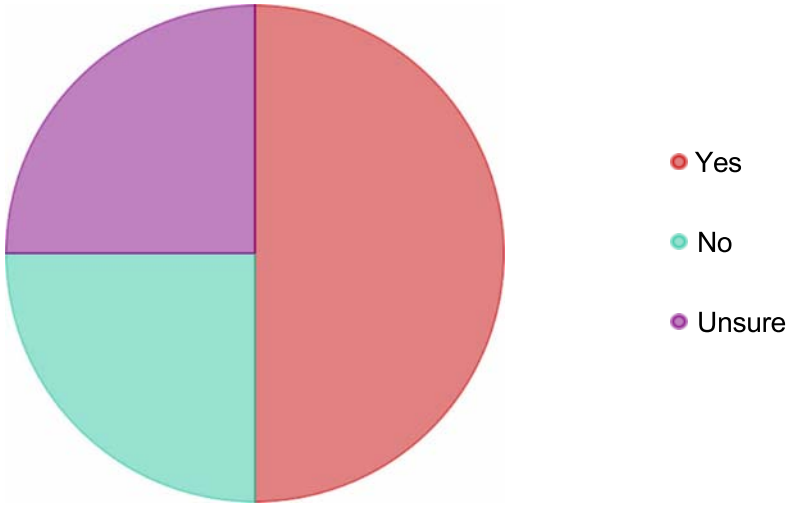



| Answers | Count | Percentage |
|---|---|---|
| Unknown | 2 | 50% |
| Yes, we encourage or assist property owners with flood mitigation efforts | 1 | 25% |

| | | |
|---|---|---|
| No, we have never implemented large-scale flood mitigation efforts | 1 | 25% |
| Yes, we have implemented incentive programs | 0 | 0% |

Answered: 4 Skipped: 0

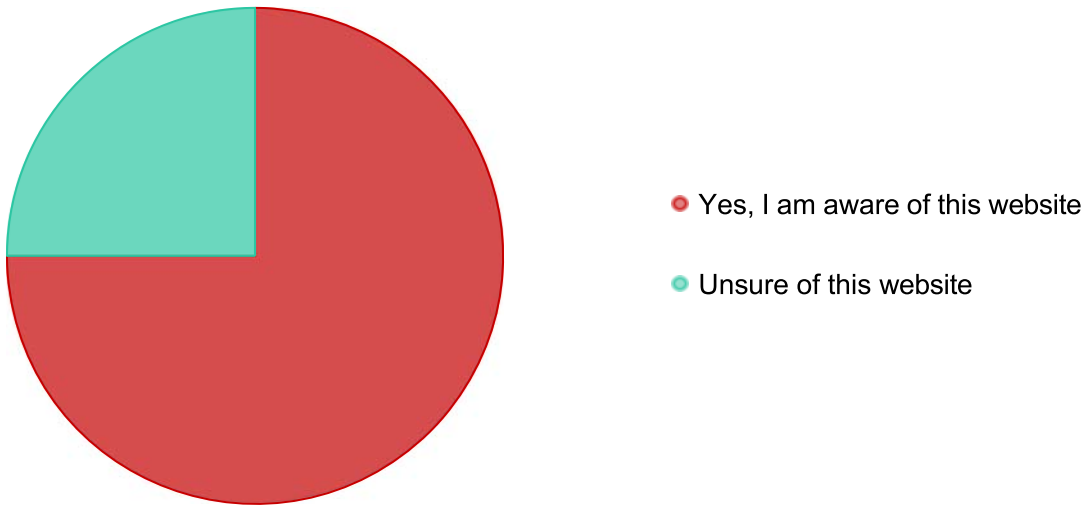
**Are there homes in your association area that are classified as Repetitive…**




| Answers | Count | Percentage |
|---|---|---|
| Yes | 2 | 50% |
| No | 1 | 25% |
| Unsure | 1 | 25% |

Answered: 4 Skipped: 0

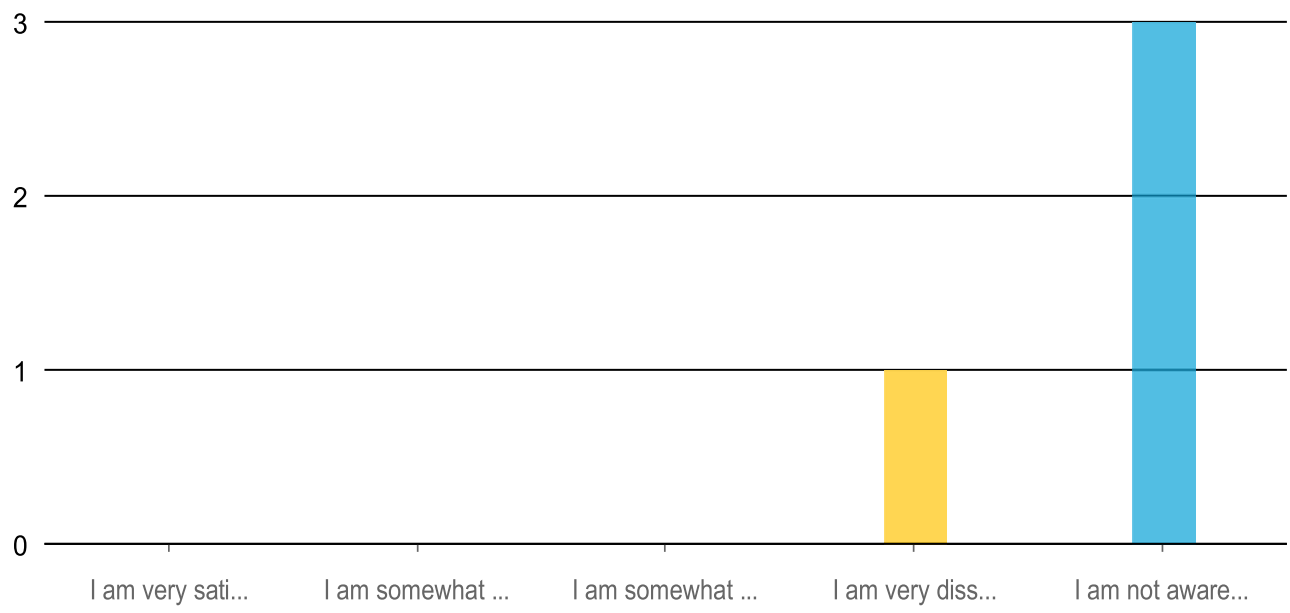
**Did you know that you can view the current floodplain and other County-wid…**




| Answers | Count | Percentage |
|---|---|---|
| Yes, I am aware of this website | 3 | 75% |
| Unsure of this website | 1 | 25% |

Answered: 4 Skipped: 0

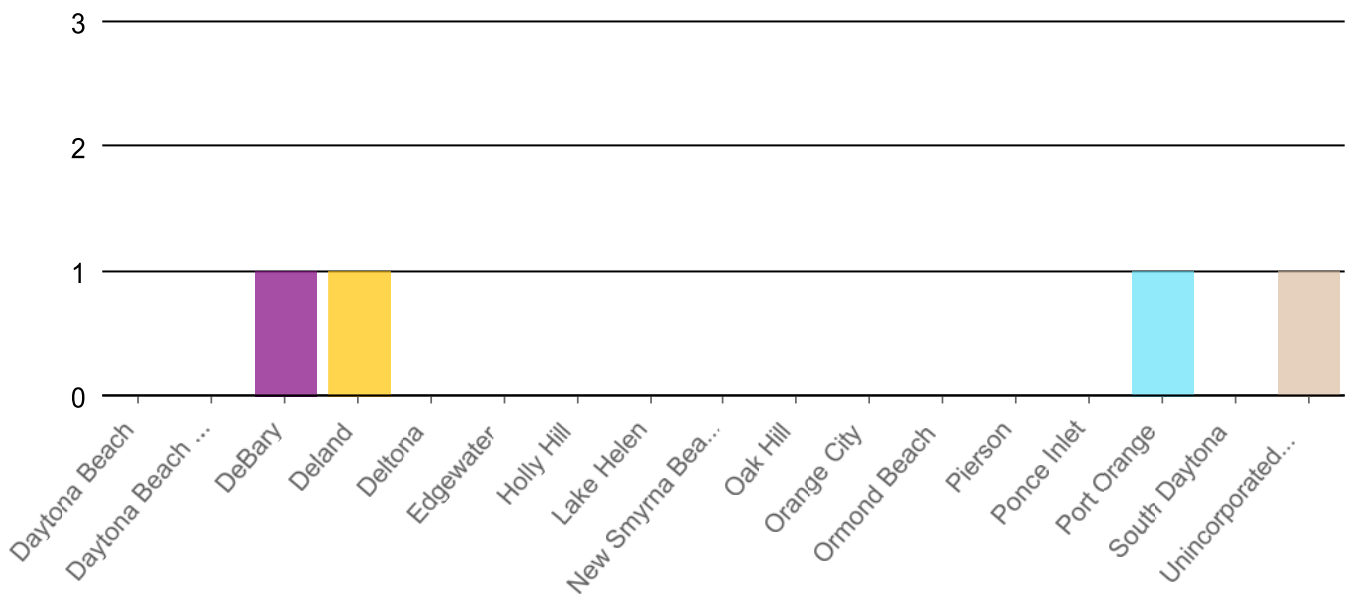
**How satisfied are you with how your jurisdiction handles public involvement…**



| Answers | Count | Percentage |
|---|---|---|
| I am very satisfied | 0 | 0% |
| I am somewhat satisfied | 0 | 0% |
| I am somewhat dissatisfied | 0 | 0% |
| I am very dissatisfied | 1 | 25% |
| I am not aware of any public involvement/outreach efforts concerning flood hazards | 3 | 75% |

Answered: 4 Skipped: 0

**Which jurisdiction is your HOA community?**




| Answers | Count | Percentage |
|---|---|---|
| Daytona Beach | 0 | 0% |
| Daytona Beach Shores | 0 | 0% |
| DeBary | 1 | 25% |
| Deland | 1 | 25% |
| Deltona | 0 | 0% |

| | | |
|---|---|---|
| Edgewater | 0 | 0% |
| Holly Hill | 0 | 0% |
| Lake Helen | 0 | 0% |
| New Smyrna Beach | 0 | 0% |
| Oak Hill | 0 | 0% |
| Orange City | 0 | 0% |
| Ormond Beach | 0 | 0% |
| Pierson | 0 | 0% |
| Ponce Inlet | 0 | 0% |
| Port Orange | 1 | 25% |
| South Daytona | 0 | 0% |
| Unincorporated Volusia | 1 | 25% |

Answered: 4 Skipped: 0

**Please provide a range of the number of homes within your community.**

The word cloud requires at least 20 answers to show.

| Word | Count |
|---|---|
| 69 | 1 |
| 332 | 1 |
| 1568 | 1 |
| Homesites | 1 |

Answered: 3 Skipped: 1

# APPENDIX D: CRITICAL FACILITY VULNERABILITY ASSESSMENT

This section of the Local Mitigation Strategy cross-references the locations of all critical facilities within Volusia County and its jurisdictions with environmental layers pertaining to the following hazard layers:

- Storm Surge Threat
- Fire Risk Zone
- Wind Risk
- FEMA Flood Zone

There are over 500 critical facilities identified within Volusia County and its jurisdictions. The critical facilities covered in this report cover the following types of facilities.

- Transportation
- Public Buildings
- Waste Water Systems
- Medical Facilities
- Schools
- Educational Facilities

Also covered in this section are **Water and Sewage Treatment Facilities**.

The tables on the following pages depict the critical facilities, by jurisdiction and facility type, that are located within Volusia County, Florida. Each critical facility is cross-referenced with the hazard zones to depict risk for the hazards listed above. This analysis involves numerous sources, such as:

- HAZUS
- National Hurricane Center
- U.S. Forest Service
- FEMA
- American Society of Civil Engineers
- ECFRPC
- Volusia County and Jurisdictions
- FDEP

**Table 1: Jurisdictional Summary of Critical Assets**

| Jurisdiction | Jurisdiction Type | # of Assets | Total Financial Exposure (Assets) | Mean Year Built (Assets) |
|---|---|---|---|---|
| **Volusia County** | County | 578 | $10,940,822,969 | 1984 |
| **Daytona Beach** | City | 74 | $3,407,757,509 | 1975 |
| **Daytona Beach Shores** | City | 2 | $8,741,800 | 1984 |
| **Debary** | City | 7 | $1,481,752,946 | 1993 |
| **DeLand** | City | 47 | $1,077,176,288 | 1976 |
| **DeLeon Springs** | Census Designated Place | 3 | $137,054,550 | 1984 |
| **Deltona** | City | 27 | $431,515,600 | 1986 |
| **Edgewater** | City | 14 | $421,779,479 | 1979 |
| **Holly Hill** | City | 10 | $170,752,230 | 1978 |
| **Lake Helen** | City | 6 | $35,579,280 | 1987 |
| **New Smyrna Beach** | City | 28 | $571,274,878 | 1975 |
| **Oak Hill** | City | 4 | $ 21,068,949 | 1983 |
| **Orange City** | City | 9 | $277,059,730 | 1985 |
| **Ormond Beach** | City | 31 | $314,347,059 | 1982 |
| **Pierson** | City | 4 | $52,222,180 | 1982 |
| **Ponce Inlet** | City | 2 | $ 8,741,800 | 1993 |
| **Port Orange** | City | 22 | $789,670,500 | 1985 |
| **South Daytona** | City | 6 | $33,242,490 | 1977 |
| **Enterprise** | Unincorporated Community | 2 | $10,662,390 | 1983 |
| **Mims** | Census Designated Place | 1 | $1,022,440 | 1997 |
| **Osteen** | Unincorporated Community | 3 | $11,006,700 | 1989 |
| **Multi-Jurisdictional** | | 276 | $1,678,394,171 | 1991 |

**Table 2: Total Asset Type for Entire County**

| Asset Type | Count |
|---|---|
| Medical Care Facilities | 11 |
| Emergency Operation Centers | 2 |
| Fire Stations | 56 |
| Police Stations | 30 |
| Schools | 151 |
| Communication Facilities | 24 |
| Electric Power Facilities | 3 |
| Waste Water Facilities | 11 |
| Potable Water Facilities | 1 |
| Natural Gas Pipelines | 5 |
| Airport Facilities | 6 |
| Airport Runways | 14 |
| Bus Facilities | 2 |
| Ferry Facilities | 2 |
| Railway Bridges | 17 |
| Port Facilities | 10 |
| Highway Bridges | 238 |
| | |
| TOTAL | 583 |

**Table 3: Critical Asset Hazard Analysis**

| Asset Name | Latitude | Longitude | Asset Type | Cat1 Surge | Cat3 Surge | Cat5 Surge | Wildfire Risk | Wind Zone | FEMA Flood Zone |
|---|---|---|---|---|---|---|---|---|---|
| Tomoka River | 29.262661 | -81.117817 | Highway Bridges | | | | Low | 160 MPH | AE |
| FECRR - Tymber Crk Rd | 29.332914 | -81.131025 | Highway Bridges | | | | Moderate | 160 MPH | |
| US-1 | 29.335833 | -81.130972 | Highway Bridges | | | | Moderate | 160 MPH | |
| Tomoka River | 29.305056 | -81.094197 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Tomoka River | 29.305189 | -81.093964 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Tomoka River | 29.342186 | -81.086317 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| I-95 | 29.403769 | -81.155186 | Highway Bridges | | | | Moderate | 160 MPH | |
| Canal to Bulow Creek | 29.414089 | -81.148136 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Drainage Canal | 29.353408 | -81.102561 | Highway Bridges | | X | X | High | 160 MPH | AE |
| Canal | 29.351153 | -81.099392 | Highway Bridges | | | | High | 160 MPH | AE |
| Bulow Creek | 29.407631 | -81.121847 | Highway Bridges | X | X | X | High | 160 MPH | AE |
| Intracoastal Waterway | 29.408639 | -81.100889 | Highway Bridges | | | | High | 160 MPH | AE |
| Canal | 29.292617 | -81.073381 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Halifax River IWW | 29.287278 | -81.051706 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Creek | 29.296075 | -81.079586 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Misner Creek | 29.278219 | -81.088442 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Misner Branch | 29.28155 | -81.094747 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Canal | 29.224494 | -81.049611 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Canal | 29.234239 | -81.054861 | Highway Bridges | | | | Moderate | 160 MPH | |
| Canal | 29.236108 | -81.055147 | Highway Bridges | | X | X | Moderate | 160 MPH | AE |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Nova Canal | 29.232511 | -81.054139 | Highway Bridges | | | X | Moderate | 160 MPH | |
| 11th Street Canal | 29.243192 | -81.047667 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| LPGA CANAL | 29.24215 | -81.050194 | Highway Bridges | | | X | Moderate | 160 MPH | |
| 11th St. Canal | 29.245656 | -81.041586 | Highway Bridges | | X | X | Moderate | 160 MPH | X |
| Halifax Canal | 29.245989 | -81.036514 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax Canal | 29.245978 | -81.039303 | Highway Bridges | | | | Moderate | 160 MPH | |
| IWW Halifax River | 29.230319 | -81.021817 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| IWW Halifax River | 29.231194 | -81.022419 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax River | 29.223103 | -81.017761 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Daytona Canal | 29.225331 | -81.023261 | Highway Bridges | X | X | X | Moderate | 160 MPH | AE |
| Nova Road Canal | 29.229269 | -81.052314 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Halifax River IWW | 29.2158 | -81.015967 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax River IWW | 29.215739 | -81.015789 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax River | 29.210689 | -81.017531 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax River | 29.208672 | -81.016683 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax River | 29.211125 | -81.011131 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Navy Canal | 29.192686 | -81.033736 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Canal | 29.189561 | -81.031728 | Highway Bridges | | X | X | Moderate | 160 MPH | AE |
| Nova Canal | 29.175464 | -81.028194 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Canal | 29.177661 | -81.028544 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Canal | 29.178703 | -81.028653 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Canal | 29.179275 | -81.028781 | Highway Bridges | | X | X | Moderate | 160 MPH | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Nova Canal | 29.183861 | -81.029692 | Highway Bridges | | X | X | Moderate | 160 MPH | AE |
| 11th Street Canal | 29.214928 | -81.090986 | Highway Bridges | | | | Moderate | 160 MPH | |
| Reed Canal | 29.158514 | -80.995217 | Highway Bridges | X | X | X | Moderate | 160 MPH | |
| Nova Canal | 29.170467 | -81.025867 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Nova Canal | 29.173392 | -81.027442 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Nova Canal | 29.166206 | -81.023567 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Nova Canal | 29.160958 | -81.022981 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Nova Canal | 29.154472 | -81.019694 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Reed Canal | 29.1557 | -81.016347 | Highway Bridges | | | | Moderate | 160 MPH | |
| Reed Canal | 29.158181 | -81.010253 | Highway Bridges | X | X | X | Moderate | 160 MPH | |
| Reed Canal | 29.158378 | -81.003128 | Highway Bridges | | | | Moderate | 160 MPH | X |
| Reed Canal | 29.158389 | -81.006806 | Highway Bridges | X | X | X | Moderate | 160 MPH | X |
| Sweetwater Creek | 29.113558 | -81.024989 | Highway Bridges | | | | Moderate | 160 MPH | |
| SR-421 | 29.106056 | -81.028889 | Highway Bridges | | | | Low | 160 MPH | |
| Timothys Ditch | 29.120831 | -81.045 | Highway Bridges | | | | Moderate | 160 MPH | |
| B-19 Canal | 29.125742 | -81.029497 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| B-19 Canal / Trib 1 | 29.119942 | -81.032392 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| B19 Canal | 29.141583 | -81.045 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Halifax Canal Lateral | 29.137103 | -81.007917 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| SR-421 | 29.106111 | -81.028333 | Highway Bridges | | | | Low | 160 MPH | |
| Sweetwater Branch | 29.106889 | -81.023111 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Spruce Creek N Relief | 29.088619 | -80.970008 | Highway Bridges | | | | High | 160 MPH | AE |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Spruce Creek N. Relief | 29.088697 | -80.969739 | Highway Bridges | | | | High | 160 MPH | AE |
| Rose Bay | 29.103619 | -80.972031 | Highway Bridges | | | | High | 160 MPH | AE |
| Rose Bay | 29.103683 | -80.971764 | Highway Bridges | | | | High | 160 MPH | AE |
| Cambridge Canal | 29.1003 | -80.987708 | Highway Bridges | X | X | X | Moderate | 160 MPH | AE |
| Rose Bay Canal | 29.109186 | -80.971406 | Highway Bridges | | | | High | 160 MPH | X |
| Halifax River | 29.144344 | -80.983981 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| IWW Halifax River | 29.148261 | -80.975478 | Highway Bridges | | | | Low | 160 MPH | AE |
| Canal | 29.115658 | -80.987658 | Highway Bridges | | | | Moderate | 160 MPH | |
| IWW Indian River | 29.038689 | -80.906289 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Callalisa Creek | 29.029011 | -80.903928 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Spruce Creek | 29.086339 | -80.9687 | Highway Bridges | | | | High | 160 MPH | AE |
| Spruce Creek | 29.086417 | -80.968475 | Highway Bridges | | | | High | 160 MPH | AE |
| Spruce Creek S. Relief | 29.083894 | -80.967119 | Highway Bridges | | | | High | 160 MPH | AE |
| Spruce Creek S. Relief | 29.084028 | -80.967139 | Highway Bridges | | | | High | 160 MPH | AE |
| Murray Creek | 29.079489 | -80.955797 | Highway Bridges | | | | Moderate | 160 MPH | X |
| Turnbull Creek | 29.051139 | -80.959833 | Highway Bridges | | | | High | 160 MPH | AE |
| Canal | 29.004689 | -80.914456 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| US-1 & FECRR | 29.020972 | -80.925086 | Highway Bridges | | | | Low | 160 MPH | X |
| Berrys Canal | 29.028189 | -80.921792 | Highway Bridges | | | | Moderate | 160 MPH | VE |
| Conners Canal | 29.032603 | -80.916583 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| IWW Indian River | 29.023789 | -80.917589 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Brando Canal | 29.035153 | -80.916456 | Highway Bridges | X | X | X | Moderate | 160 MPH | AE |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Yacht Club Cut | 29.013222 | -80.915181 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Gabordys Canal | 29.004806 | -80.913889 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| SR-442 | 28.950742 | -80.95095 | Highway Bridges | | | | High | 160 MPH | |
| SR-442 | 28.950733 | -80.950347 | Highway Bridges | | | | High | 160 MPH | |
| SR-44 | 29.012783 | -80.988214 | Highway Bridges | | | | High | 160 MPH | |
| SR-44 | 29.012803 | -80.987567 | Highway Bridges | | | | High | 160 MPH | |
| I-95 | 29.047581 | -81.007042 | Highway Bridges | | | | Moderate | 160 MPH | |
| Turnbull Creek | 29.016858 | -80.953633 | Highway Bridges | X | X | X | Low | 160 MPH | AE |
| Turnbull Creek | 29.026269 | -80.957814 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Spruce Creek | 29.090844 | -81.021111 | Highway Bridges | X | X | X | High | 160 MPH | AE |
| Spruce Creek | 29.090833 | -81.020278 | Highway Bridges | X | X | X | High | 160 MPH | AE |
| Cnl.Trib. to Turnbull Ck | 29.038608 | -80.963558 | Highway Bridges | X | X | X | Low | 160 MPH | AE |
| Trib To Turnbull Creek | 29.046825 | -80.965906 | Highway Bridges | X | X | X | Moderate | 160 MPH | AE |
| FECRR | 28.827078 | -80.853639 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Turnbull Creek | 28.820669 | -80.859919 | Highway Bridges | | | | High | 160 MPH | AE |
| FECRR | 28.826839 | -80.853689 | Highway Bridges | | | | Moderate | 160 MPH | |
| Creek | 28.808694 | -80.870922 | Highway Bridges | | X | X | Moderate | 160 MPH | |
| Turnbull Creek | 28.820828 | -80.860036 | Highway Bridges | | | | High | 160 MPH | AE |
| Turnbull Creek (West) | 28.909544 | -80.913219 | Highway Bridges | | X | X | Low | 160 MPH | |
| Turnbull Creek (East) | 28.911744 | -80.908375 | Highway Bridges | | X | X | Low | 160 MPH | X |
| Cow Creek | 28.9281 | -80.940461 | Highway Bridges | | | | Moderate | 160 MPH | |
| Cow Creek | 28.928689 | -80.940139 | Highway Bridges | | | | Moderate | 160 MPH | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Little Cow Creek | 28.941747 | -80.941694 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Gabordys Canal | 29.005364 | -80.911592 | Highway Bridges | X | X | X | Moderate | 160 MPH | AE |
| Little Tomoka River | 29.256597 | -81.164317 | Highway Bridges | | | | Moderate | 150 MPH | AE |
| Tomoka River | 29.254944 | -81.123561 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Tomoka River | 29.262722 | -81.118111 | Highway Bridges | | | | Low | 160 MPH | AE |
| I-95 | 29.273983 | -81.121908 | Highway Bridges | | | | Moderate | 160 MPH | |
| FECRR - Tymber Crk Rd | 29.333122 | -81.131311 | Highway Bridges | | | | Moderate | 160 MPH | |
| US-1 | 29.336011 | -81.131222 | Highway Bridges | | | | Moderate | 160 MPH | |
| SR-40 | 29.256983 | -81.115944 | Highway Bridges | | | | Moderate | 160 MPH | |
| Habitat Connectivity | 29.258933 | -81.185492 | Highway Bridges | | | | High | 150 MPH | |
| Groover Creek | 29.273889 | -81.127936 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Groover Creek | 29.277219 | -81.129528 | Highway Bridges | | | X | High | 160 MPH | AE |
| Trib to Groover Creek | 29.295578 | -81.130019 | Highway Bridges | | | | Moderate | 160 MPH | |
| Little Tomoka River | 29.256806 | -81.129 | Highway Bridges | | X | X | Moderate | 160 MPH | AE |
| Tomoka River | 29.164197 | -81.090756 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Tomoka River | 29.164067 | -81.090597 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Tyson Creek | 29.210111 | -81.099703 | Highway Bridges | | | | High | 160 MPH | |
| Canal | 29.166417 | -81.087744 | Highway Bridges | | | | Moderate | 160 MPH | |
| Tomoka River | 29.254717 | -81.123592 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| I-95 | 29.219964 | -81.103117 | Highway Bridges | | | | Moderate | 160 MPH | |
| Beamers Canal | 29.168167 | -81.082944 | Highway Bridges | | | | Moderate | 160 MPH | |
| US-92 | 29.171825 | -81.084514 | Highway Bridges | | | | Moderate | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| US-92 | 29.171997 | -81.084339 | Highway Bridges | | | | Moderate | 160 MPH | |
| US-92 | 29.171653 | -81.084611 | Highway Bridges | | | | Moderate | 160 MPH | |
| US-92 | 29.172225 | -81.084269 | Highway Bridges | | | | Moderate | 160 MPH | |
| I-95 & US-92 | 29.171389 | -81.084761 | Highway Bridges | | | | Moderate | 160 MPH | |
| Ramp J2 | 29.173644 | -81.085181 | Highway Bridges | | | | Moderate | 160 MPH | |
| Ramp J2 | 29.173194 | -81.085569 | Highway Bridges | | | | Moderate | 160 MPH | |
| Ramp J2 | 29.173342 | -81.0855 | Highway Bridges | | | | Moderate | 160 MPH | |
| Ramp J2 | 29.173528 | -81.085333 | Highway Bridges | | | | Moderate | 160 MPH | |
| Tomoka River | 29.217208 | -81.109453 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| I-95 | 29.197983 | -81.095794 | Highway Bridges | | | | High | 160 MPH | |
| Middle Haw Creek | 29.241131 | -81.230083 | Highway Bridges | | | | High | 150 MPH | |
| Creek | 29.129056 | -81.1598 | Highway Bridges | | | | Moderate | 150 MPH | A |
| Deep Creek | 29.100294 | -81.216667 | Highway Bridges | | | | High | 150 MPH | |
| Habitat Connectivity | 29.258772 | -81.185397 | Highway Bridges | | | | High | 150 MPH | |
| Creek | 29.16635 | -81.154717 | Highway Bridges | | | | High | 150 MPH | A |
| Middle Haw Creek | 29.244322 | -81.225936 | Highway Bridges | | | | High | 150 MPH | |
| I-95 | 29.155736 | -81.075828 | Highway Bridges | | | | Moderate | 160 MPH | |
| Tomoka River | 29.150333 | -81.08725 | Highway Bridges | | | | High | 160 MPH | A |
| Tomoka River | 29.150778 | -81.090194 | Highway Bridges | | | | High | 160 MPH | AE |
| Bear Wildlife Crossing | 29.077222 | -81.175556 | Highway Bridges | | | | High | 150 MPH | |
| Cougar Wildlife Crossing | 29.100556 | -81.153889 | Highway Bridges | | | | High | 160 MPH | A |
| Cougar Wildlife Crossing | 29.10005 | -81.153892 | Highway Bridges | | | | High | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| Deer WIldlife Crossing | 29.111944 | -81.142222 | Highway Bridges | | | | High | 160 MPH | |
| Deer Wildlife Crossing | 29.111944 | -81.1425 | Highway Bridges | | | | High | 160 MPH | |
| I-4 | 29.136944 | -81.118611 | Highway Bridges | | | | Moderate | 160 MPH | |
| I-95 | 29.155083 | -81.075472 | Highway Bridges | | | | Moderate | 160 MPH | |
| I-95 | 29.157258 | -81.076758 | Highway Bridges | | | | Moderate | 160 MPH | |
| I-4 WB | 29.154778 | -81.078528 | Highway Bridges | | | | Moderate | 160 MPH | |
| Ramp F2 & Ramp H1 | 29.154056 | -81.077583 | Highway Bridges | | | | Moderate | 160 MPH | |
| I-4 | 29.152222 | -81.082778 | Highway Bridges | | | | High | 160 MPH | |
| I-95 | 29.167778 | -81.082778 | Highway Bridges | | | | Moderate | 160 MPH | |
| Timothys Ditch | 29.120683 | -81.045675 | Highway Bridges | | | | Moderate | 160 MPH | |
| Bear Wildlife Crossing | 29.0775 | -81.175278 | Highway Bridges | | | | High | 150 MPH | |
| US 92 | 29.144431 | -81.118278 | Highway Bridges | | | | Moderate | 160 MPH | |
| Tributary to Spruce Crk | 29.097689 | -81.068653 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Miller Creek | 29.0729 | -81.068144 | Highway Bridges | | | | Moderate | 160 MPH | |
| Sweetwater Creek | 29.087689 | -81.068508 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Turkey Creek | 29.086411 | -81.074531 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Trib to Spruce Creek | 29.056964 | -81.068611 | Highway Bridges | | | | Moderate | 160 MPH | |
| I-95 | 29.122347 | -81.047847 | Highway Bridges | | | | Moderate | 160 MPH | |
| Cabbage Slough | 28.697764 | -81.006031 | Highway Bridges | | | | Very High | 160 MPH | AE |
| St Johns River Relief | 28.7107 | -81.022994 | Highway Bridges | | | | High | 160 MPH | AE |
| St. Johns River | 28.71405 | -81.034128 | Highway Bridges | | | | Very High | 160 MPH | AE |

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|---|---|---|---|---|---|---|---|---|---|
| Alamana Canal | 28.932317 | -81.109975 | Highway Bridges | | | | High | 160 MPH | A |
| Lake Ashby Canal | 28.942825 | -81.102681 | Highway Bridges | | | | High | 160 MPH | A |
| Samsula Canal | 29.011656 | -81.041578 | Highway Bridges | | | | High | 160 MPH | |
| Maytown Road | 28.832997 | -80.912097 | Highway Bridges | | | | High | 160 MPH | |
| Maytown Rd. | 28.833178 | -80.91185 | Highway Bridges | | | | High | 160 MPH | |
| Deep Creek | 29.026139 | -81.192306 | Highway Bridges | | | | High | 150 MPH | |
| Deep Creek | 29.0265 | -81.190167 | Highway Bridges | | | | High | 150 MPH | |
| Deep Creek | 29.02675 | -81.188694 | Highway Bridges | | | | High | 150 MPH | |
| Cow Creek | 28.839667 | -81.024658 | Highway Bridges | | | | High | 160 MPH | A |
| Underhill Slough | 28.784903 | -81.0252 | Highway Bridges | | | | High | 160 MPH | AE |
| Lake Ashby Canal | 28.846333 | -81.079256 | Highway Bridges | | | | High | 160 MPH | A |
| Lake Ashby Canal | 28.941908 | -81.102642 | Highway Bridges | | | | Moderate | 160 MPH | A |
| Samsula Canal | 28.996711 | -81.049592 | Highway Bridges | | | | High | 160 MPH | |
| Samsula Canal | 28.991608 | -81.040933 | Highway Bridges | | | | Moderate | 160 MPH | A |
| Spruce Creek | 29.090722 | -81.026917 | Highway Bridges | | | | Moderate | 160 MPH | AE |
| Spruce Creek | 29.083944 | -81.064972 | Highway Bridges | | | X | Moderate | 160 MPH | AE |
| Spruce Creek | 29.050522 | -81.046544 | Highway Bridges | | | X | Moderate | 160 MPH | |
| Deep Creek | 29.163322 | -81.390447 | Highway Bridges | | | | Moderate | 150 MPH | |
| Deep Creek | 29.20495 | -81.367744 | Highway Bridges | | | | High | 150 MPH | |
| Canal | 29.221953 | -81.330042 | Highway Bridges | | | | Moderate | 150 MPH | |
| Little Haw Creek | 29.226672 | -81.311033 | Highway Bridges | | | | Moderate | 150 MPH | |
| Lake Dias Creek | 29.166775 | -81.298972 | Highway Bridges | | | | Moderate | 150 MPH | |
| Creek | 29.254347 | -81.32715 | Highway Bridges | | | | Moderate | 150 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| Little Haw Swamp | 29.260928 | -81.355314 | Highway Bridges | | | | Moderate | 150 MPH | A |
| Creek | 29.170933 | -81.468992 | Highway Bridges | | | | High | 150 MPH | |
| Creek | 29.178719 | -81.436931 | Highway Bridges | | | | High | 150 MPH | |
| Deep Creek | 29.161722 | -81.390178 | Highway Bridges | | | | Moderate | 150 MPH | |
| Lake Gertie | 29.054728 | -81.311314 | Highway Bridges | | | | Moderate | 150 MPH | A |
| Lake Gertie | 29.054539 | -81.311325 | Highway Bridges | | | | Moderate | 150 MPH | A |
| Little Haw Creek | 29.060703 | -81.268472 | Highway Bridges | | | | Moderate | 150 MPH | |
| Little Haw Creek | 29.065597 | -81.272511 | Highway Bridges | | | | Moderate | 150 MPH | |
| Little Haw Creek | 29.075642 | -81.273264 | Highway Bridges | | | | Moderate | 150 MPH | |
| Blue Lake Equalizer | 29.035967 | -81.26755 | Highway Bridges | | | | High | 150 MPH | AE |
| I-4 | 29.017717 | -81.2317 | Highway Bridges | | | | High | 150 MPH | A |
| I-4 EB | 29.017419 | -81.231947 | Highway Bridges | | | | High | 150 MPH | |
| I-4 | 28.955358 | -81.257686 | Highway Bridges | | | | High | 150 MPH | |
| I-4 | 28.966272 | -81.254183 | Highway Bridges | | | | High | 150 MPH | |
| I-4 | 28.984611 | -81.248364 | Highway Bridges | | | | Moderate | 150 MPH | |
| I-4 | 29.004022 | -81.242186 | Highway Bridges | | | | Moderate | 150 MPH | |
| St. Johns River | 29.008728 | -81.382069 | Highway Bridges | | | | Moderate | 150 MPH | AE |
| CSX-RR | 29.024306 | -81.354914 | Highway Bridges | | | | High | 150 MPH | |
| US-17/92 | 28.974142 | -81.298989 | Highway Bridges | | | | High | 150 MPH | |
| Seaboard Coastline RR | 28.952339 | -81.332231 | Highway Bridges | | | | High | 150 MPH | |
| I-4 | 28.955133 | -81.257722 | Highway Bridges | | | | High | 150 MPH | |
| I-4 | 28.948678 | -81.259817 | Highway Bridges | | | | High | 150 MPH | |

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| FPL Cooling Disch. Canal | 28.845317 | -81.325806 | Highway Bridges | | | | Moderate | 150 MPH | |
| FPL Cooling Intake Canal | 28.845314 | -81.325397 | Highway Bridges | | | | Moderate | 150 MPH | |
| FPL Cooling Disch. Canal | 28.856278 | -81.325433 | Highway Bridges | | | | Moderate | 150 MPH | A |
| FPL Cooling Intake Canal | 28.856281 | -81.325031 | Highway Bridges | | | | Moderate | 150 MPH | A |
| Konomac Canal | 28.8651 | -81.348075 | Highway Bridges | | | | Moderate | 150 MPH | |
| US-17-92 -St Johns River | 28.835578 | -81.319619 | Highway Bridges | | | | High | 150 MPH | AE |
| Deep Creek | 28.899928 | -81.134083 | Highway Bridges | | | | Moderate | 160 MPH | A |
| St. Johns River | 28.802664 | -81.210281 | Highway Bridges | | | | High | 150 MPH | AE |
| St Johns River Relief | 28.815553 | -81.190525 | Highway Bridges | | | | High | 150 MPH | AE |
| Deep Ck. Diversion Cnl | 28.846075 | -81.101772 | Highway Bridges | | | | Moderate | 160 MPH | A |
| Dirksen Drive | 28.871614 | -81.284528 | Highway Bridges | | | | High | 150 MPH | |
| Padgett Creek | 28.868778 | -81.28595 | Highway Bridges | | | | High | 150 MPH | |
| Dirksen Dr | 28.871669 | -81.284233 | Highway Bridges | | | | High | 150 MPH | |
| I-4 | 28.911256 | -81.271783 | Highway Bridges | | | | Moderate | 150 MPH | |
| I-4 | 28.911064 | -81.271886 | Highway Bridges | | | | Moderate | 150 MPH | |
| I-4 | 28.887019 | -81.279375 | Highway Bridges | | | | Moderate | 150 MPH | |
| Padgett Creek | 28.8689 | -81.286183 | Highway Bridges | | | | High | 150 MPH | |
| US-17-92-St Johns River | 28.835211 | -81.319106 | Highway Bridges | | | | High | 150 MPH | AE |

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| St. Johns River | 28.802764 | -81.21045 | Highway Bridges | | | | High | 150 MPH | AE |
| St. Johns River Relief | 28.815631 | -81.190639 | Highway Bridges | | | | High | 150 MPH | AE |
| FLORIDA HOSPITAL OCEANSIDE | 29.284637 | -81.036867 | Medical Care Facilities | | X | X | Moderate | 160 MPH | |
| SELECT SPECIALTY HOSPITAL - DAYTONA B... | 29.242562 | -81.107419 | Medical Care Facilities | | | | High | 160 MPH | |
| ADVENT HEALTH DAYTONA BEACH | 29.24311 | -81.107657 | Medical Care Facilities | | | | High | 160 MPH | |
| HALIFAX PSYCHIATRIC CENTER-NORTH | 29.21402 | -81.068593 | Medical Care Facilities | | | | Moderate | 160 MPH | |
| HALIFAX HEALTH MEDICAL CENTER | 29.202385 | -81.054828 | Medical Care Facilities | | | | Moderate | 160 MPH | |
| DAYTONA BEACH VETERANS AFFAIRS OUTPAT... | 29.206409 | -81.061756 | Medical Care Facilities | | | | Moderate | 160 MPH | |
| HALIFAX HEALTH MEDICAL CENTER-PORT O... | 29.126212 | -81.008574 | Medical Care Facilities | | X | X | Moderate | 160 MPH | |
| ADVENT HEALTH NEW SMYRNA BEACH | 29.020291 | -80.92186 | Medical Care Facilities | | X | X | Low | 160 MPH | |
| ADVENT HEALTH DELAND | 29.043653 | -81.317344 | Medical Care Facilities | | | | Moderate | 150 MPH | |

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| ADVENT HEALTH FISH MEMORIAL | 28.914371 | -81.285162 | Medical Care Facilities | | | | Low | 150 MPH | |
| HALIFAX HEALTH UF HEALTH MEDICAL CENT... | 28.957659 | -81.255725 | Medical Care Facilities | | | | High | 150 MPH | |
| FLORIDA EAST COAST; ARTIFICIAL PATH | 29.304347 | -81.095737 | Railway Bridges | | | | Low | 160 MPH | AE |
| FLORIDA EAST COAST; CANAL/DITCH | 29.313402 | -81.10535 | Railway Bridges | | | X | Low | 160 MPH | |
| FLORIDA EAST COAST; CANAL/DITCH | 29.293181 | -81.079918 | Railway Bridges | | X | X | Moderate | 160 MPH | |
| FLORIDA EAST COAST; STREAM/RIVER | 29.288747 | -81.071167 | Railway Bridges | | X | X | Moderate | 160 MPH | AE |
| FLORIDA EAST COAST; CANAL/DITCH | 29.244638 | -81.044155 | Railway Bridges | | | | Moderate | 160 MPH | AE |
| FLORIDA EAST COAST; REED CANAL | 29.158451 | -81.000073 | Railway Bridges | X | X | X | Moderate | 160 MPH | AE |
| FLORIDA EAST COAST; STREAM/RIVER | 29.102114 | -80.985322 | Railway Bridges | X | X | X | High | 160 MPH | |
| FLORIDA EAST COAST; STREAM/RIVER | 29.106569 | -80.985671 | Railway Bridges | | | | Moderate | 160 MPH | AE |

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| FLORIDA EAST COAST; ARTIFICIAL PATH | 29.080103 | -80.98349 | Railway Bridges | | | | Moderate | 160 MPH | AE |
| FLORIDA EAST COAST; ARTIFICIAL PATH | 29.050713 | -80.959727 | Railway Bridges | | | | High | 160 MPH | AE |
| FLORIDA EAST COAST; STREAM/ RIVER | 29.039559 | -80.939592 | Railway Bridges | | X | X | Moderate | 160 MPH | X |
| FLORIDA EAST COAST; TURNBULL CREEK | 28.806058 | -80.85946 | Railway Bridges | | | | High | 160 MPH | X |
| FLORIDA EAST COAST; STREAM/ RIVER | 28.999701 | -80.916262 | Railway Bridges | | X | X | Moderate | 160 MPH | |
| FLORIDA EAST COAST; CANAL/DITCH | 29.003614 | -80.918066 | Railway Bridges | | X | X | Moderate | 160 MPH | AE |
| FLORIDA EAST COAST; CANAL/DITCH | 29.340113 | -81.140654 | Railway Bridges | | | | Moderate | 160 MPH | |
| CSX TRANSPORTATION; STREAM/ RIVER | 29.162683 | -81.390328 | Railway Bridges | | | | Moderate | 150 MPH | |
| CSX TRANSPORTATION; SAINT JOHNS RIVER | 28.837797 | -81.324658 | Railway Bridges | | | | High | 150 MPH | |
| DRMOND BEACH FLA | 29.30745 | -81.05813 | Port Facilities | | | | Moderate | 160 MPH | AE |

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| DAYTONA BCH MUN YACHT BASIN | 29.21716 | -81.01551 | Port Facilities | | | | Moderate | 160 MPH | AE |
| NEW SMYRNA BCH MUNICIPAL WHFS | 29.03892 | -80.90636 | Port Facilities | | | | Moderate | 160 MPH | AE |
| SHRIMP DOCKS NEW SMYRNA BCH | 29.039188 | -80.906138 | Port Facilities | | | | Moderate | 160 MPH | AE |
| USCG STATION, PONCE DE LEON INLET, FL | 29.063462 | -80.914598 | Port Facilities | | | | High | 160 MPH | AE |
| OAKHILL FISH DOCK | 28.88228 | -80.842463 | Port Facilities | | | | High | 160 MPH | AE |
| EDGEWATER FLA | 29.0016 | -80.90653 | Port Facilities | | | | Moderate | 160 MPH | AE |
| FLA POWER & LIGHT LAKE MONROE | 28.839615 | -81.32605 | Port Facilities | | | | Moderate | 150 MPH | AE |
| ENTERPRISE FLA | 28.86845 | -81.272146 | Port Facilities | | | | Moderate | 150 MPH | |
| De Land | 28.976848 | -81.35932 | Ferry Facilities | | | | Moderate | 150 MPH | AE |
| Hontoon Island State Park | 28.975272 | -81.360608 | Ferry Facilities | | | | Moderate | 150 MPH | AE |
| DOTS Terminal | 29.226 | -81.0511 | Bus Facilities | | | X | Moderate | 160 MPH | |
| Greyhound Bus Station | 29.2101 | -81.023 | Bus Facilities | | X | X | Moderate | 160 MPH | |
| 03147.*A | 29.178601 | -81.062852 | Airport Runways | | | | Moderate | 160 MPH | |
| 03147.*A | 29.177879 | -81.052299 | Airport Runways | | | | Low | 160 MPH | |
| 03147.*A | 29.183276 | -81.052683 | Airport Runways | | | | Low | 160 MPH | |

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| 03147.2*A | 29.080188 | -81.046629 | Airport Runways | | | | Low | 160 MPH | |
| 03156.*A | 29.064757 | -81.283058 | Airport Runways | | | | Moderate | 150 MPH | |
| 03156.*A | 29.068662 | -81.284259 | Airport Runways | | | | Moderate | 150 MPH | |
| 03156.2*A | 29.104115 | -81.314193 | Airport Runways | | | | Moderate | 150 MPH | |
| 03387.*A | 29.054239 | -80.947938 | Airport Runways | | X | X | Moderate | 160 MPH | |
| 03387.*A | 29.058146 | -80.951115 | Airport Runways | X | X | X | Moderate | 160 MPH | |
| 03387.*A | 29.054206 | -80.947262 | Airport Runways | | X | X | Moderate | 160 MPH | X |
| 03387.2*A | 28.978909 | -80.924775 | Airport Runways | | X | X | Low | 160 MPH | |
| 03411.*A | 29.301904 | -81.114064 | Airport Runways | | | X | Moderate | 160 MPH | |
| 03411.*A | 29.300314 | -81.113512 | Airport Runways | | | X | Moderate | 160 MPH | |
| 03443.1*A | 29.250036 | -81.45934 | Airport Runways | | | | High | 150 MPH | |
| ORMOND BEACH MUNI | 29.301139 | -81.113806 | Airport Facilities | | | X | Moderate | 160 MPH | |
| NEW SMYRNA BEACH MUNI | 29.055694 | -80.948917 | Airport Facilities | X | X | X | Moderate | 160 MPH | X |
| PIERSON MUNI | 29.250028 | -81.459333 | Airport Facilities | | | | High | 150 MPH | |
| ADVENT HEALTH DELAND | 29.044631 | -81.317839 | Airport Facilities | | | | Moderate | 150 MPH | |
| DELAND MUNI-SIDNEY H TAYLOR FIELD | 29.067028 | -81.28375 | Airport Facilities | | | | Moderate | 150 MPH | |
| DAYTONA BEACH INTL | 29.179917 | -81.058056 | Airport Facilities | | | | Low | 160 MPH | |
| HIGHBRIDE PARK | 29.40856 | -81.09953 | Potable Water Facilities | X | X | X | High | 160 MPH | AE |
| PORT ORANGE (DW) | 29.136101 | -80.994698 | Waste Water Systems | X | X | X | Moderate | 160 MPH | AE |

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| ORMOND BEACH, CITY OF - ORMOND BEACH ... | 29.2936 | -81.083099 | Waste Water Systems | | | | Moderate | 160 MPH | AE |
| DELAND, CITY OF - WILEY M NASH WRF | 29.009001 | -81.298103 | Waste Water Systems | | | | Low | 150 MPH | |
| VEHICLE MAINTENANCE FACILITY | 29.217501 | -81.0289 | Waste Water Systems | | X | X | Moderate | 160 MPH | A |
| KENNEDY PARK IMPROVEMENTS | 28.9933 | -80.904701 | Waste Water Systems | X | X | X | Moderate | 160 MPH | AE |
| EDGEWATER, CITY OF | 28.9898 | -80.899902 | Waste Water Systems | | | | Moderate | 160 MPH | AE |
| LAKE WOODRUFF NATIONAL WILDLIFE REFUGE | 29.1061 | -81.366097 | Waste Water Systems | | | | High | 150 MPH | |
| SMYRNA BEACH, CITY OF - NEW SMYRNA BE... | 29.030399 | -80.917198 | Waste Water Systems | | | | Moderate | 160 MPH | VE |
| KENNEDY SPACE CNTR FEDERAL CRE | 28.950501 | -80.885597 | Waste Water Systems | | | X | Moderate | 160 MPH | |
| HOLLY HILL, CITY OF (DW) | 29.2447 | -81.034103 | Waste Water Systems | | | | Moderate | 160 MPH | AE |
| DAYTONA BEACH/BETHUNE POINT (D | 29.196199 | -81.008301 | Waste Water Systems | X | X | X | Moderate | 160 MPH | X |

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| SANFORD | 28.843155 | -81.325464 | Electric Power Facilities | | | | Moderate | 150 MPH | |
| DEBARY | 28.90386 | -81.33233 | Electric Power Facilities | | | | High | 150 MPH | |
| FIELD STREET | 29.017319 | -80.932856 | Electric Power Facilities | | X | X | Moderate | 160 MPH | |
| WYND 1310 | 28.99943 | -81.29812 | Communication Facilities | | | | Moderate | 150 MPH | |
| WNDB 1150 | 29.23526 | -81.07172 | Communication Facilities | | | | Moderate | 160 MPH | |
| WROD 1340 | 29.18887 | -81.00756 | Communication Facilities | X | X | X | Moderate | 160 MPH | AE |
| WNDA 1490 | 29.01637 | -81.2859 | Communication Facilities | | | | High | 150 MPH | |
| WNDA 1490 | 29.01832 | -81.29951 | Communication Facilities | | | | Moderate | 150 MPH | |
| WSBB 1230 | 29.03276 | -80.91728 | Communication Facilities | | | | Moderate | 160 MPH | AE |
| WMFJ 1450 | 29.22526 | -81.02478 | Communication Facilities | X | X | X | Moderate | 160 MPH | AE |
| WPUL 1590 | 29.1547 | -81.022 | Communication Facilities | | X | X | Moderate | 160 MPH | |
| WELE 1380 | 29.26942 | -81.08145 | Communication Facilities | | | | Low | 160 MPH | |
| WKRO-FM CH 226 | 28.89471 | -80.88533 | Communication Facilities | | X | X | Moderate | 160 MPH | |
| WOCL CH 290 | 28.92138 | -81.31895 | Communication Facilities | | | | High | 150 MPH | |
| WHOG-FM CH 239 | 29.23637 | -81.07284 | Communication Facilities | | | | Moderate | 160 MPH | |
| WJLU CH 209 | 29.00915 | -80.97394 | Communication Facilities | | | X | Moderate | 160 MPH | A |

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| WVYB CH 277 | 29.23637 | -81.07284 | Communication Facilities | | | | Moderate | 160 MPH | |
| WKTO CH 204 | 29.04165 | -81.05617 | Communication Facilities | | | | Moderate | 160 MPH | |
| WAPN CH 218 | 29.25192 | -81.04783 | Communication Facilities | | X | X | Moderate | 160 MPH | AE |
| WJHM CH 270 | 28.92138 | -81.31895 | Communication Facilities | | | | High | 150 MPH | |
| WESH CH 2 | 28.93832 | -81.3159 | Communication Facilities | | | | High | 150 MPH | |
| WVEN-TV CH 26 | 29.28637 | -81.4934 | Communication Facilities | | | | High | 150 MPH | |
| WCEU CH 15 | 29.17359 | -81.15645 | Communication Facilities | | | | High | 150 MPH | |
| WDYB-LP CH 53 | 29.23165 | -81.04172 | Communication Facilities | | X | X | Moderate | 160 MPH | |
| PINE TRAIL ELEMENTARY SCHOOL | 29.275252 | -81.114165 | Schools | | | | Moderate | 160 MPH | |
| OSCEOLA ELEMENTARY SCHOOL | 29.286605 | -81.039883 | Schools | | X | X | Moderate | 160 MPH | |
| ST BRENDAN CATHOLIC SCHOOL | 29.315548 | -81.053512 | Schools | | | X | Low | 160 MPH | |
| PACE CENTER FOR GIRLS | 29.279335 | -81.059199 | Schools | | | X | Moderate | 160 MPH | |
| ORMOND BEACH ELEMENTARY SCHOOL | 29.283762 | -81.057727 | Schools | | | X | Moderate | 160 MPH | |
| ORMOND BEACH | 29.308101 | -81.070235 | Schools | | | X | Moderate | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| MIDDLE SCHOOL | | | | | | | | | |
| THE LITTLE ENGINE ACADEMY | 29.268103 | -81.078258 | Schools | | | | Moderate | 160 MPH | |
| DAYTONA COLLEGE | 29.27008 | -81.080138 | Schools | | | | Low | 160 MPH | |
| CHABAD ESFORMES HEBREW ACADEMY | 29.273506 | -81.095471 | Schools | | | | Moderate | 160 MPH | |
| TEMPLE BETH-EL SCHOOL | 29.292892 | -81.086449 | Schools | | | X | Moderate | 160 MPH | |
| ACS EDUCATIONAL RESOURCES AND CONSULT... | 29.279675 | -81.080201 | Schools | | | X | Low | 160 MPH | |
| TOMOKA ELEMENTARY SCHOOL | 29.274802 | -81.09084 | Schools | | | X | Moderate | 160 MPH | |
| DAVID C. HINSON SR. MIDDLE SCHOOL | 29.239699 | -81.094684 | Schools | | | | High | 160 MPH | |
| REIGN HOMESCHOOLING ACADEMY | 29.273596 | -81.094289 | Schools | | | | Moderate | 160 MPH | |
| DAYTONA STATE COLLEGE - ADVANCED TECH... | 29.232026 | -81.098931 | Schools | | | | High | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| HOLLY HILL SCHOOL | 29.249336 | -81.055414 | Schools | | | X | Moderate | 160 MPH | |
| UBIC ACADEMY | 29.252831 | -81.055429 | Schools | | | X | Moderate | 160 MPH | |
| INSTALLER INSTITUTE | 29.254596 | -81.046818 | Schools | | | X | Moderate | 160 MPH | |
| SEABREEZE HIGH SCHOOL | 29.266532 | -81.02991 | Schools | | X | X | Moderate | 160 MPH | |
| ORTONA ELEMENTARY SCHOOL | 29.24729 | -81.02356 | Schools | | | X | Low | 160 MPH | |
| LOURDES ACADEMY | 29.2418 | -81.02111 | Schools | | | X | Moderate | 160 MPH | |
| RIVERVIEW LEARNING CENTER | 29.238417 | -81.016584 | Schools | | X | X | Low | 160 MPH | |
| IMAGINATION STATION TOO MONTESSORI | 29.233445 | -81.016323 | Schools | | | X | Moderate | 160 MPH | |
| BASILICA SCHOOL OF ST PAUL | 29.216946 | -81.027161 | Schools | | X | X | Moderate | 160 MPH | |
| FATHER LOPEZ CATHOLIC HIGH SCHOOL | 29.218548 | -81.045937 | Schools | | X | X | Moderate | 160 MPH | AE |
| LIVING FAITH ACADEMY | 29.229362 | -81.064155 | Schools | | | | Moderate | 160 MPH | |
| AMIKIDS VOLUSIA | 29.213356 | -81.063596 | Schools | | | | Moderate | 160 MPH | |
| HALIFAX BEHAVIORAL SERVICES | 29.214037 | -81.06858 | Schools | | | | Moderate | 160 MPH | |

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| RICHARD MILBURN ACADEMY | 29.217315 | -81.049547 | Schools | | | X | Moderate | 160 MPH | |
| EASTER SEALS CHILD DEVELOPMENT CENTER... | 29.206916 | -81.054454 | Schools | | | | Moderate | 160 MPH | |
| UNIVERSITY OF CENTRAL FLORIDA - DAYTO... | 29.201995 | -81.048576 | Schools | | | | Moderate | 160 MPH | |
| DAYTONA STATE COLLEGE | 29.202259 | -81.051285 | Schools | | | | Moderate | 160 MPH | |
| THE CHILES ACADEMY | 29.213284 | -81.039736 | Schools | | X | X | Moderate | 160 MPH | |
| PURE IN HEART CHRISTIAN ACAD& PERFORM... | 29.210732 | -81.020541 | Schools | X | X | X | Moderate | 160 MPH | AE |
| DAYTONA STATE COLLEGE - NEWS-JOURNAL ... | 29.21517 | -81.019609 | Schools | | X | X | Moderate | 160 MPH | |
| BETHUNE-COOKMAN UNIVERSITY | 29.210556 | -81.031595 | Schools | | X | X | Moderate | 160 MPH | A |
| TURIE T. SMALL ELEMENTARY SCHOOL | 29.195917 | -81.027159 | Schools | | X | X | Moderate | 160 MPH | X |
| CAMPBELL | 29.195004 | -81.030466 | Schools | | X | X | Moderate | 160 MPH | |

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| MIDDLE SCHOOL | | | | | | | | | |
| MOUNT CALVARY ACADEMY | 29.194227 | -81.024035 | Schools | | X | X | Moderate | 160 MPH | X |
| THE CHASE ACADEMY, INC. | 29.177731 | -81.024847 | Schools | | X | X | Moderate | 160 MPH | AE |
| PALM TERRACE ELEMENTARY SCHOOL | 29.198401 | -81.074249 | Schools | | | | Moderate | 160 MPH | |
| WESTSIDE ELEMENTARY SCHOOL | 29.224138 | -81.071315 | Schools | | | | Moderate | 160 MPH | |
| HALIFAX ACADEMY | 29.189019 | -81.081327 | Schools | | | | Moderate | 160 MPH | |
| WARNER CHRISTIAN ACADEMY | 29.179476 | -81.007256 | Schools | | X | X | Moderate | 160 MPH | |
| INTERNATIONAL ACADEMY | 29.162176 | -80.997791 | Schools | | X | X | Moderate | 160 MPH | |
| BLUE JAY ACADEMY | 29.17319 | -81.025156 | Schools | | X | X | Moderate | 160 MPH | X |
| SOUTH DAYTONA ELEMENTARY SCHOOL | 29.168283 | -81.008205 | Schools | | X | X | Moderate | 160 MPH | X |
| HORIZON ELEMENTARY SCHOOL | 29.119404 | -81.038035 | Schools | | | | Moderate | 160 MPH | |
| HOSPITAL HOMEBOUND | 29.14862 | -81.026749 | Schools | | | | Moderate | 160 MPH | |

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| ATLANTIC HIGH SCHOOL | 29.148642 | -81.026679 | Schools | | | | Moderate | 160 MPH | |
| DAYTONA BEACH CHRISTIAN ACADEMY | 29.170829 | -81.038026 | Schools | | | | Moderate | 160 MPH | |
| SUGAR MILL ELEMENTARY SCHOOL | 29.147327 | -81.001034 | Schools | | X | X | Moderate | 160 MPH | |
| SILVER SANDS MIDDLE SCHOOL | 29.131416 | -81.017155 | Schools | | | X | Moderate | 160 MPH | |
| SPRUCE CREEK ELEMENTARY SCHOOL | 29.105717 | -81.004796 | Schools | | | X | Moderate | 160 MPH | |
| WISE INDEPENDENT PRIVATE SCHOOL SYSTEM | 29.110693 | -80.977931 | Schools | | X | X | Moderate | 160 MPH | |
| PORT ORANGE ELEMENTARY SCHOOL | 29.142252 | -80.991424 | Schools | | X | X | Moderate | 160 MPH | |
| SWEETWATER ELEMENTARY SCHOOL | 29.116328 | -81.017421 | Schools | | | | Moderate | 160 MPH | |
| SPRUCE CREEK HIGH SCHOOL | 29.108707 | -81.016027 | Schools | | | | Moderate | 160 MPH | |
| R. J. LONGSTREET ELEMENTARY SCHOOL | 29.176687 | -80.986041 | Schools | | X | X | Moderate | 160 MPH | |

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| CORONADO BEACH ELEMENTARY SCHOOL | 29.002761 | -80.878685 | Schools | | X | X | High | 160 MPH | |
| READ-PATTILLO ELEMENTARY SCHOOL | 29.010897 | -80.919753 | Schools | | X | X | Moderate | 160 MPH | X |
| SACRED HEART CATHOLIC SCHOOL | 29.038981 | -80.934583 | Schools | | X | X | Moderate | 160 MPH | |
| KNIGHT'S CHRISTIAN ACADEMY | 29.022958 | -80.923193 | Schools | X | X | X | Low | 160 MPH | X |
| NEW SMYRNA BEACH HIGH SCHOOL | 29.003172 | -80.930417 | Schools | | X | X | Moderate | 160 MPH | |
| NEW SMYRNA BEACH MIDDLE SCHOOL | 29.00452 | -80.923569 | Schools | | X | X | Moderate | 160 MPH | |
| CHISHOLM ELEMENTARY SCHOOL | 29.030038 | -80.932675 | Schools | | X | X | Low | 160 MPH | X |
| BETHEL CHRISTIAN ACADEMY | 29.024306 | -80.933056 | Schools | | X | X | Low | 160 MPH | AE |
| BURNS SCIENCE AND TECHNOLOGY CHARTER | 28.862161 | -80.848962 | Schools | | | | Low | 160 MPH | |
| INDIAN RIVER ELEMEN | 28.945576 | -80.891184 | Schools | | | X | Moderate | 160 MPH | |

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| TARY SCHOOL | | | | | | | | | |
| EDGEHOP CHRISTIAN ACADEMY | 28.94675 | -80.88452 | Schools | | | X | Moderate | 160 MPH | |
| EDGEWATER PUBLIC SCHOOL | 28.984204 | -80.907127 | Schools | | X | X | Moderate | 160 MPH | |
| DISCOVERY DAYS INSTITUTE OF LEARNING | 28.994507 | -80.908779 | Schools | | X | X | Moderate | 160 MPH | |
| LITTLE EXPLORERS MONTESSORI | 29.000404 | -80.912488 | Schools | | X | X | Moderate | 160 MPH | |
| DAYTONA STATE COLLEGE - NEW SMYRNA BE... | 28.999955 | -80.926968 | Schools | | X | X | Moderate | 160 MPH | |
| PATHWAYS ELEMENTARY SCHOOL | 29.272286 | -81.135136 | Schools | | | | Moderate | 160 MPH | |
| CALVARY CHRISTIAN ACADEMY | 29.257414 | -81.118765 | Schools | | | X | High | 160 MPH | |
| CHAMPION ELEMENTARY SCHOOL | 29.207816 | -81.137 | Schools | | | | High | 160 MPH | A |
| THE CHILDRENS HOUSE | 29.252387 | -81.129993 | Schools | | | | Moderate | 160 MPH | |
| RIVERBEND | 29.249844 | -81.134899 | Schools | | | | Moderate | 160 MPH | |

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| ACADEMY | | | | | | | | | |
| VOLUSIA REGIONAL JUVENILE DETENTION C... | 29.136766 | -81.142734 | Schools | | | | Moderate | 160 MPH | |
| DAYTONA JUVENILE RESIDENTIAL FACILITY | 29.136718 | -81.142758 | Schools | | | | Moderate | 160 MPH | |
| STEWART TREATMENT CENTER | 29.144914 | -81.152038 | Schools | | | | Moderate | 150 MPH | |
| DEPT. OF CORRECTIONS EDUCATIONAL PROGRAM | 29.140435 | -81.149447 | Schools | | | | Moderate | 160 MPH | |
| ROCK CHURCH ACADEMY | 29.091007 | -81.050648 | Schools | | | | High | 160 MPH | |
| SAMSULA ACADEMY | 29.022283 | -81.050897 | Schools | | | | High | 160 MPH | |
| SPACE COAST CHRISTIAN ACADEMY | 29.02075 | -81.050837 | Schools | | | | High | 160 MPH | |
| CYPRESS CREEK ELEMENTARY SCHOOL | 29.083122 | -81.027195 | Schools | | | X | Moderate | 160 MPH | |
| TLC KIDS CARE | 29.089508 | -81.048664 | Schools | | | X | High | 160 MPH | |
| CREEKSIDE | 29.06639 | -81.04165 | Schools | | | | Moderate | 160 MPH | |

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| MIDDLE SCHOOL | | | | | | | | | |
| T. DEWITT TAYLOR MIDDLE-HIGH SCHOOL | 29.246292 | -81.457942 | Schools | | | | High | 150 MPH | |
| PIERSON ELEMENTARY SCHOOL | 29.24407 | -81.463728 | Schools | | | | Moderate | 150 MPH | |
| STETSON BAPTIST CHRISTIAN SCHOOL | 29.035795 | -81.323928 | Schools | | | | Moderate | 150 MPH | |
| LOUISE S. MCINNIS ELEMENTARY SCHOOL | 29.123646 | -81.350978 | Schools | | | | Moderate | 150 MPH | |
| CITRUS GROVE ELEMENTARY SCHOOL | 29.03934 | -81.33579 | Schools | | | | Moderate | 150 MPH | |
| GEORGE W. MARKS ELEMENTARY SCHOOL | 29.046084 | -81.297041 | Schools | | | | High | 150 MPH | |
| BLUE LAKE ELEMENTARY SCHOOL | 29.030888 | -81.276335 | Schools | | | | High | 150 MPH | |
| FREEDOM ELEMENTARY SCHOOL | 28.994105 | -81.271431 | Schools | | | | High | 150 MPH | |
| DAYTONA STATE COLLEGE - DELAND | 29.012027 | -81.243074 | Schools | | | | High | 150 MPH | |

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| DELAND MIDDLE SCHOOL | 29.00428 | -81.297508 | Schools | | | | Moderate | 150 MPH | |
| FLORIDA TECHNICAL COLLEGE - DELAND CA... | 29.009117 | -81.300638 | Schools | | | | Low | 150 MPH | |
| ESE RELATED SERVICES | 29.030191 | -81.308641 | Schools | | | | Low | 150 MPH | |
| PK CHILD CARE PROGRAM | 29.03016 | -81.308493 | Schools | | | | Low | 150 MPH | |
| ST BARNABAS EPISCOPAL SCHOOL | 29.033073 | -81.308361 | Schools | | | | Moderate | 150 MPH | |
| CASA MONTESSORI | 29.030416 | -81.315724 | Schools | | | | Moderate | 150 MPH | |
| DELAND HIGH SCHOOL | 29.04167 | -81.283963 | Schools | | | | Moderate | 150 MPH | |
| CHILDREN'S HOUSE MONTESSORI SCHOOL | 29.03961 | -81.294212 | Schools | | | | Moderate | 150 MPH | |
| STETSON UNIVERSITY | 29.03532 | -81.300598 | Schools | | | | Moderate | 150 MPH | |
| ST PETER CATHOLIC SCHOOL | 29.028684 | -81.309871 | Schools | | | | Low | 150 MPH | |
| EDITH I. STARKE ELEMENTARY SCHOOL | 29.015022 | -81.308979 | Schools | | | | Moderate | 150 MPH | |
| T.O.P ACADEMY | 29.023427 | -81.31071 | Schools | | | | Moderate | 150 MPH | |

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| WOODWARD AVENUE ELEMENTARY SCHOOL | 29.010773 | -81.33093 | Schools | | | | Moderate | 150 MPH | |
| LIGHTHOUSE CHRISTIAN PREPARATORY ACADEMY | 29.023706 | -81.340996 | Schools | | | | Moderate | 150 MPH | |
| SOUTHWESTERN MIDDLE SCHOOL | 29.007525 | -81.314277 | Schools | | | | Moderate | 150 MPH | |
| RIVER SPRINGS MIDDLE SCHOOL | 28.938783 | -81.309237 | Schools | | | | High | 150 MPH | |
| UNIVERSITY HIGH SCHOOL | 28.931841 | -81.313005 | Schools | | | | Moderate | 150 MPH | |
| MANATEE COVE ELEMENTARY SCHOOL | 28.939135 | -81.300055 | Schools | | | | Moderate | 150 MPH | |
| ORANGE CITY ELEMENTARY SCHOOL | 28.951383 | -81.291599 | Schools | | | | Moderate | 150 MPH | |
| DEBARY ELEMENTARY SCHOOL | 28.891186 | -81.320685 | Schools | | | | Moderate | 150 MPH | |
| HIGHBANKS LEARNING CENTER | 28.890781 | -81.28507 | Schools | | | | Moderate | 150 MPH | |
| THE READING EDGE ACADEMY | 28.895049 | -81.28271 | Schools | | | | Moderate | 150 MPH | |

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| SUNRISE ACADEMY | 28.908694 | -81.291039 | Schools | | | | Moderate | 150 MPH | |
| IVY HAWN CHARTER SCHOOL OF THE ARTS | 28.977978 | -81.230821 | Schools | | | | Moderate | 150 MPH | |
| VOLUSIA PINES ELEMENTARY SCHOOL | 28.972109 | -81.226144 | Schools | | | | Moderate | 150 MPH | |
| BLAKE MEMORIAL DAY SCHOOL | 28.985447 | -81.23439 | Schools | | | | Moderate | 150 MPH | |
| SPIRIT ELEMENTARY SCHOOL | 28.90587 | -81.242265 | Schools | | | | Moderate | 150 MPH | |
| DISCOVERY ELEMENTARY SCHOOL | 28.89193 | -81.250276 | Schools | | | | Low | 150 MPH | |
| DELTONA CHRISTIAN SCHOOL | 28.881367 | -81.242761 | Schools | | | | High | 150 MPH | |
| LEGACY SCHOLARS ACADEMY | 28.868067 | -81.264032 | Schools | | | | Moderate | 150 MPH | |
| ENTERPRISE ELEMENTARY SCHOOL | 28.871599 | -81.265077 | Schools | | | | Moderate | 150 MPH | |
| DELTONA MIDDLE SCHOOL | 28.877966 | -81.272431 | Schools | | | | High | 150 MPH | |
| ALDERSGATE ACADEMY | 28.868036 | -81.266585 | Schools | | | | High | 150 MPH | |

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| ACADEMY OF CAREER TRAINING - DELTONA ... | 28.897291 | -81.26743 | Schools | | | | Moderate | 150 MPH | A |
| DELTONA LAKES ELEMENTARY SCHOOL | 28.921411 | -81.217434 | Schools | | | | High | 150 MPH | |
| FRIENDSHIP ELEMENTARY SCHOOL | 28.93433 | -81.188547 | Schools | | | | High | 150 MPH | |
| DAYTONA STATE COLLEGE - DELTONA CAMPUS | 28.929134 | -81.221587 | Schools | | | | High | 150 MPH | |
| CENTRAL FELLOWSHIP CHRISTIAN ACADEMY | 28.970383 | -81.214722 | Schools | | | | Moderate | 150 MPH | |
| HERITAGE MIDDLE SCHOOL | 28.891873 | -81.172056 | Schools | | | | High | 150 MPH | |
| SUNRISE ELEMENTARY SCHOOL | 28.881496 | -81.175491 | Schools | | | | High | 150 MPH | |
| GOOD SHEPHERD ACADEMY | 28.883624 | -81.166778 | Schools | | | | High | 160 MPH | |
| FOREST LAKE ELEMENTARY SCHOOL | 28.873479 | -81.228619 | Schools | | | | High | 150 MPH | |
| GATEWAY | 28.870378 | -81.250386 | Schools | | | | Moderate | 150 MPH | |

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| CHRISTIAN ACADEMY | | | | | | | | | |
| OSTEEN ELEMENTARY SCHOOL | 28.854856 | -81.175553 | Schools | | | | Moderate | 150 MPH | |
| DELTONA HIGH SCHOOL | 28.946599 | -81.246415 | Schools | | | | Moderate | 150 MPH | |
| GALAXY MIDDLE SCHOOL | 28.929963 | -81.230095 | Schools | | | | High | 150 MPH | |
| TIMBERCREST ELEMENTARY SCHOOL | 28.932539 | -81.231045 | Schools | | | | High | 150 MPH | |
| TRINITY CHRISTIAN ACADEMY | 28.924473 | -81.254251 | Schools | | | | Moderate | 150 MPH | |
| PRIDE ELEMENTARY SCHOOL | 28.89545 | -81.162071 | Schools | | | | High | 160 MPH | |
| PINE RIDGE HIGH SCHOOL | 28.886829 | -81.162 | Schools | | | | High | 160 MPH | |
| MAINLAND HIGH SCHOOL | 29.197773 | -81.050885 | Schools | | | | Moderate | 160 MPH | |
| EMBRY-RIDDLE AERONAUTICAL UNIVERSITY-... | 29.189219 | -81.049481 | Schools | | | | Low | 160 MPH | |
| EMBRY-RIDDLE AERONAUTICAL UNIVERSITY-... | 29.189241 | -81.04955 | Schools | | | | Low | 160 MPH | |
| VOLUSIA COUNTY SHERIFFS | 29.330169 | -81.121731 | Police Stations | | | | Moderate | 160 MPH | |

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| , DEPARTMENT | | | | | | | | | |
| ORMOND BEACH POLICE DEPARTMENT | 29.282882 | -81.060763 | Police Stations | | | X | Moderate | 160 MPH | |
| HOLLY HILL POLICE DEPARTMENT | 29.245118 | -81.040025 | Police Stations | | | X | Moderate | 160 MPH | |
| DAYTONA BEACH POLICE DEPARTMENT - SUB... | 29.223916 | -81.00984 | Police Stations | | | X | Moderate | 160 MPH | |
| VOLUSIA COUNTY SHERIFF'S OFFICE - BEA... | 29.218758 | -81.003544 | Police Stations | | | X | Moderate | 160 MPH | |
| VOLUSIA COUNTY SHERIFFS , DEPARTMENT | 29.215296 | -81.023479 | Police Stations | | X | X | Moderate | 160 MPH | |
| VOLUSIA COUNTY SHERIFFS , DEPARTMENT | 29.215451 | -81.021655 | Police Stations | X | X | X | Moderate | 160 MPH | X |
| VOLUSIA COUNTY SHERIFFS , DEPARTMENT | 29.210803 | -81.013856 | Police Stations | | X | X | Moderate | 160 MPH | |
| DAYTONA BEACH POLICE DEPARTMENT - HEA... | 29.200853 | -81.037924 | Police Stations | | X | X | Moderate | 160 MPH | |
| SOUTH DAYTONA CITY | 29.181315 | -81.007999 | Police Stations | | X | X | Moderate | 160 MPH | |

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| POLICE DEPARTMENT | | | | | | | | | |
| PORT ORANGE POLICE DEPARTMENT | 29.120974 | -81.017651 | Police Stations | | | | Moderate | 160 MPH | |
| DAYTONA BEACH SHORES DEPARTMENT OF PU... | 29.165794 | -80.977512 | Police Stations | | | X | Moderate | 160 MPH | |
| PONCE INLET POLICE DEPARTMENT | 29.120525 | -80.95343 | Police Stations | X | X | X | High | 160 MPH | |
| NEW SMYRNA BEACH POLICE DEPARTMENT | 29.047528 | -80.940733 | Police Stations | | X | X | Moderate | 160 MPH | X |
| VOLUSIA COUNTY SHERIFF - CIVIL DIVISION | 29.025763 | -80.921305 | Police Stations | X | X | X | Moderate | 160 MPH | X |
| OAK HILL POLICE DEPARTMENT | 28.858865 | -80.851223 | Police Stations | | | X | Low | 160 MPH | |
| EDGEWATER POLICE DEPARTMENT | 28.9929 | -80.905274 | Police Stations | X | X | X | Moderate | 160 MPH | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT | 29.14645 | -81.148881 | Police Stations | | | | High | 160 MPH | |
| VOLUSIA SHERIFFS DEPARTMENT - OPERATI... | 29.143009 | -81.145737 | Police Stations | | | | Moderate | 160 MPH | |

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| FLORIDA HIGHWAY PATROL TROOP D - DELAND | 29.058843 | -81.274394 | Police Stations | | | | Moderate | 150 MPH | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT - ... | 29.060195 | -81.286195 | Police Stations | | | | Moderate | 150 MPH | |
| VOLUSIA COUNTY SHERIFF'S OFFICE | 29.029516 | -81.305028 | Police Stations | | | | Low | 150 MPH | |
| DE LAND POLICE DEPARTMENT | 29.026709 | -81.306963 | Police Stations | | | | Moderate | 150 MPH | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT | 29.029247 | -81.29975 | Police Stations | | | | Low | 150 MPH | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT LA... | 28.998411 | -81.304743 | Police Stations | | | | Moderate | 150 MPH | |
| ORANGE CITY POLICE DEPARTMENT | 28.949593 | -81.298117 | Police Stations | | | | Moderate | 150 MPH | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT - ... | 28.884067 | -81.308005 | Police Stations | | | | Moderate | 150 MPH | |
| LAKE HELEN POLICE | 28.977731 | -81.231476 | Police Stations | | | | Moderate | 150 MPH | |

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| DEPARTMENT | | | | | | | | | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT - ... | 28.906735 | -81.225344 | Police Stations | | | | Moderate | 150 MPH | |
| VOLUSIA COUNTY SHERIFFS' DEPARTMENT - ... | 29.184706 | -81.060813 | Police Stations | | | | Low | 160 MPH | |
| Volusia County Fire Services Station ... | 29.328796 | -81.112381 | Fire Stations | | | X | Low | 160 MPH | |
| Volusia County Fire Services Station ... | 29.404343 | -81.144829 | Fire Stations | | | | Moderate | 160 MPH | |
| Volusia County Fire Services Station ... | 29.335375 | -81.061142 | Fire Stations | | | X | Low | 160 MPH | |
| Ormond Beach Fire Department Station 91 | 29.282549 | -81.036049 | Fire Stations | | X | X | Moderate | 160 MPH | |
| Ormond Beach Fire Department Station 93 | 29.290686 | -81.068626 | Fire Stations | | X | X | Moderate | 160 MPH | X |
| Ormond Beach Fire | 29.275469 | -81.082367 | Fire Stations | | | | Low | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| Department Station 92 | | | | | | | | | |
| Volusia County Fire Services Station ... | 29.244341 | -81.071419 | Fire Stations | | | | Moderate | 160 MPH | |
| Holly Hill Fire Rescue Station 96 | 29.243544 | -81.038338 | Fire Stations | | | X | Moderate | 160 MPH | |
| Daytona Beach Fire Department Station 3 | 29.239725 | -81.021317 | Fire Stations | | | X | Moderate | 160 MPH | |
| Daytona Beach Fire Department Station 5 | 29.216045 | -81.045746 | Fire Stations | | X | X | Moderate | 160 MPH | |
| Daytona Beach Fire Department Station 1 | 29.208252 | -81.01696 | Fire Stations | X | X | X | Moderate | 160 MPH | X |
| Daytona Beach Fire Department Station 4 | 29.210711 | -81.067894 | Fire Stations | | | | Moderate | 160 MPH | |
| South Daytona Fire Department | 29.181292 | -81.008041 | Fire Stations | | X | X | Moderate | 160 MPH | |
| Port Orange Fire Rescue Department St... | 29.12542 | -81.02359 | Fire Stations | | | | Moderate | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| Port Orange Fire Rescue Departm ent St... | 29.104071 | -80.987793 | Fire Stations | X | X | X | Moderate | 160 MPH | X |
| Port Orange Fire and Rescue Departm ent | 29.140692 | -80.986359 | Fire Stations | X | X | X | Moderate | 160 MPH | |
| Daytona Beach Fire Departm ent Station 2 | 29.202818 | -80.998535 | Fire Stations | | X | X | Moderate | 160 MPH | |
| Daytona Beach Shores Departm ent of Pu... | 29.166441 | -80.97776 | Fire Stations | | | X | Moderate | 160 MPH | |
| Ponce Inlet Fire Rescue Departm ent | 29.098698 | -80.941292 | Fire Stations | X | X | X | Moderate | 160 MPH | X |
| New Smyrna Beach Fire and Rescue Fire... | 29.029137 | -80.899757 | Fire Stations | X | X | X | High | 160 MPH | X |
| Volusia County Fire Services Station ... | 28.979507 | -80.860939 | Fire Stations | X | X | X | Moderate | 160 MPH | |
| New Smyrna Beach Fire and Rescue Fire... | 29.049016 | -80.93711 | Fire Stations | | X | X | High | 160 MPH | |
| New Smyrna Beach Fire | 29.025545 | -80.922874 | Fire Stations | X | X | X | Low | 160 MPH | X |

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|---|---|---|---|---|---|---|---|---|---|
| Department | | | | | | | | | |
| Volusia County Fire Services Station ... | 29.018578 | -80.945824 | Fire Stations | X | X | X | Low | 160 MPH | X |
| Volusia County Fire Services Station | 28.870298 | -80.850899 | Fire Stations | | X | X | Low | 160 MPH | |
| Edgewater Department of Fire Rescue S... | 28.953962 | -80.895821 | Fire Stations | | | X | Moderate | 160 MPH | |
| Edgewater Department of Fire Rescue S... | 28.975962 | -80.897278 | Fire Stations | | | X | Moderate | 160 MPH | |
| Ormond Beach Fire Department Station 94 | 29.274183 | -81.146088 | Fire Stations | | | | Moderate | 160 MPH | |
| Volusia County Fire Services Training Center | 29.1467 | -81.153572 | Fire Stations | | | | High | 150 MPH | |
| Port Orange Fire Rescue Department St... | 29.111418 | -81.052704 | Fire Stations | | | | Moderate | 160 MPH | |
| New Smyrna Beach Fire and | 29.015745 | -80.995117 | Fire Stations | | | | High | 160 MPH | |

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|---|---|---|---|---|---|---|---|---|---|
| Rescue Station | | | | | | | | | |
| Volusia County Fire Services Station | 28.730654 | -81.032677 | Fire Stations | | | | High | 160 MPH | |
| Volusia County Fire Services Station ... | 29.082958 | -81.066414 | Fire Stations | | | X | Moderate | 160 MPH | |
| Port Orange Fire Rescue Departm ent St... | 29.068159 | -81.038208 | Fire Stations | | | | Moderate | 160 MPH | |
| Volusia County Fire Services Station ... | 29.242687 | -81.466835 | Fire Stations | | | | Moderate | 150 MPH | |
| Deland Fire Departm ent Station 82 | 29.055044 | -81.307663 | Fire Stations | | | | Moderate | 150 MPH | |
| Volusia County Fire Rescue DeLeon Spr... | 29.118317 | -81.34951 | Fire Stations | | | | Moderate | 150 MPH | |
| Volusia County Fire Services Glenwoo d... | 29.072231 | -81.327965 | Fire Stations | | | | High | 150 MPH | |
| Volusia County Fire Services Kepler R... | 29.061321 | -81.26252 | Fire Stations | | | | Moderate | 150 MPH | |
| Deland Fire | 29.000546 | -81.263062 | Fire Stations | | | | Moderate | 150 MPH | |

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| Department Station 83 | | | | | | | | | |
| Deland Fire Department Station 81 | 29.026661 | -81.30574 | Fire Stations | | | | Moderate | 150 MPH | |
| Volusia County Fire Rescue Saint John... | 29.022877 | -81.359039 | Fire Stations | | | | High | 150 MPH | |
| Volusia County Fire Rescue Spring Lak... | 28.977438 | -81.301079 | Fire Stations | | | | High | 150 MPH | |
| Orange City Fire Department Station 68 | 28.918688 | -81.292389 | Fire Stations | | | | Low | 150 MPH | |
| Orange City Fire Department | 28.950084 | -81.29812 | Fire Stations | | | | Moderate | 150 MPH | |
| Volusia County Fire Station 33 Debary | 28.883015 | -81.308228 | Fire Stations | | | | Moderate | 150 MPH | |
| Volusia County Fire Services Station ... | 28.985029 | -81.242889 | Fire Stations | | | | Moderate | 150 MPH | |
| Deltona Fire Rescue Department Statio... | 28.900116 | -81.271469 | Fire Stations | | | | Moderate | 150 MPH | |

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| Deltona Fire Rescue Department Statio... | 28.879847 | -81.174805 | Fire Stations | | | | High | 150 MPH | |
| Volusia County Fire Services Station ... | 28.846548 | -81.16304 | Fire Stations | | | | Moderate | 160 MPH | |
| Volusia County Fire Services Station ... | 28.857195 | -81.2248 | Fire Stations | | | | Moderate | 150 MPH | |
| Deltona Fire Rescue Department Station | 28.906279 | -81.225914 | Fire Stations | | | | Moderate | 150 MPH | |
| Deltona City Fire Station 65 | 28.947231 | -81.232574 | Fire Stations | | | | Moderate | 150 MPH | |
| Deltona Fire Rescue Department Station | 28.923847 | -81.189384 | Fire Stations | | | | Moderate | 150 MPH | |
| Daytona Beach Fire Department Station 6 | 29.163551 | -81.058022 | Fire Stations | | | | Moderate | 160 MPH | A |
| Volusia County Fire Rescue Daytona Be... | 29.178478 | -81.057175 | Fire Stations | | | | Low | 160 MPH | |
| VOLUSIA COUNTY EMERGENCY | 29.140482 | -81.144876 | Emergency Operations Centers | | | | Moderate | 160 MPH | |

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| MANAGEMENT | | | | | | | | | |
| VOLUSIA COUNTY EOC | 29.029469 | -81.304948 | Emergency Operations Centers | | | | Low | 150 MPH | |

**Table 4: Water and Sewage Hazard Analysis**

| Asset Name | Asset Type | Asset Owner | Cat 1 Surge | Cat 3 Surge | Cat 5 Surge | Wildfire Risk | Wind Zone | FEMA Flood Zone |
|---|---|---|---|---|---|---|---|---|
| Ocean Shore Lift Station | Stormwater Treatment Facilities And Pump Stations | Private | | | X | Moderate | 160mph | |
| Taxiway Lindy Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Ohio Lift Station | Stormwater Treatment Facilities And Pump Stations | Orange City | | | | Moderate | 150mph | |
| Navel Orange Lift Station | Stormwater Treatment Facilities And Pump Stations | Orange City | | | | Moderate | 150mph | |
| Quail View Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | A |
| Bella Vista Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | X | X | Moderate | 160mph | |
| H H Birch Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | High | 160mph | AE |
| Ridgewood Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Coleman Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | Low | 160mph | AE |

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|---|---|---|---|---|---|---|---|---|
| Charles Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | Moderate | 160mph | X |
| Douglas Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | Moderate | 160mph | AE |
| Lewis Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | Moderate | 160mph | X |
| Navajo Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | Moderate | 160mph | X |
| Golden Bay Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | X | X | X | Moderate | 160mph | X |
| Fishermans Cove Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | X | X | Moderate | 160mph | |
| Ariel Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | X | X | High | 160mph | |
| Ridgewood Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | X | X | Very High | 160mph | |
| Division Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Moonlight Cove Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Greenleaf Lift Station | Stormwater Treatment Facilities And Pump Stations | Orange City | | | | Moderate | 150mph | |
| Southlake Lift Station | Stormwater Treatment Facilities And Pump Stations | Orange City | | | | High | 150mph | |
| Industrial Lift Station | Stormwater Treatment Facilities And Pump Stations | Orange City | | | | Moderate | 150mph | |
| Dr Martin Luther King Lift Sta | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Debary Plantation Lift Station | Stormwater Treatment Facilities And Pump Stations | Debary | | | | Low | 150mph | A |
| Quail Hill Lift Station | Stormwater Treatment Facilities And Pump Stations | Debary | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Debary | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Halifax Crossings Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Very High | 150mph | |
| Tullamore Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 160mph | |
| Lazio Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Florida Willow Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Porter Rye Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Terrapin Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Kenmare Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 160mph | |
| Killarney Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Peninsula Winds Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Barrier Isle Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |

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|---|---|---|---|---|---|---|---|---|
| Sandpiper Ridge Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | X | X | Moderate | 160mph | |
| Pelican Dunes Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Ocean Shore Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Ocean Shore Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Red John Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 160mph | |
| Plantation Oaks Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | | 160mph | |
| Roscommon Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Acoma Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Speerin Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Low | 160mph | |
| Carlow Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | A |

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|---|---|---|---|---|---|---|---|---|
| Acoma Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Cessna Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Taxiway Lindy Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Spruce Creek Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 160mph | |
| Roscoe Turner Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Autumn Leaves Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 160mph | |
| Forest Edge Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Howland Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Wolf Pack Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Blaney Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | A |

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|---|---|---|---|---|---|---|---|---|
| Eustace Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Volusia Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Volusia Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Volusia Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Terrace Hills Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Florence Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Kingslake Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | A |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Debary Plantation Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Eagles Estates Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Dogwood Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Highbanks Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Legion Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Dirksen Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Fairway Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Glen Club Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Pine Valley Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | A |

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|---|---|---|---|---|---|---|---|---|
| Pine Meadow Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Glen Abbey Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Toronto Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | A |
| Enterprise Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Enterprise Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Saxon Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Enterprise Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Enterprise Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Enterprise Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Grand Plaza Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Volusia Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Water Oak Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Moss Point Cove Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Howland Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| James Pond Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Saxon Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Normandy Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Normandy Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Treemonte Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Saxon Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Verde Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Hammock Oak Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Enterprise Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Horseshoe Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | AE |
| Warrior Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | AE |
| Arrowhead Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | AE |
| Kettledrum Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | AE |
| Stone Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | AE |
| Howland Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Wild Pepper Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Dr Martin L King Jr Lift Stati | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Baron Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |
| Spurce Creek Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Very Low | 160mph | |
| Monaghan Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | High | 160mph | |
| Bass Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | AE |
| Shell Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Eustace Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Plantation Club Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | A |
| Leisure Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| New Hope Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Fairlawn Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Garfield Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 150mph | |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Highbanks Lift Station | Stormwater Treatment Facilities And Pump Stations | Debary | | | | Very Low | 150mph | A |
| Charles R Beall Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Acoma Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | High | 160mph | |
| Ocean Shore Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | X | Moderate | 160mph | |

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|---|---|---|---|---|---|---|---|---|
| Rosa Bella Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Integra Reserve Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Low | 150mph | |
| Lazio Lift Station | Stormwater Treatment Facilities And Pump Stations | Volusia County | | | | Moderate | 150mph | |
| Four Towns Wwtp | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Low | 150mph | |
| Vc/Southwest Regional Wwtf-2 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Moderate | 150mph | |
| Vc/Southeast Regional Wwtf-7 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | X | Low | 160mph | |
| Vc/Halifax Plantation Wwtf-8 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Moderate | 160mph | |
| West Volusia Transfer Station | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Moderate | 150mph | |
| Vc/Southwest Regional Wwtf-1 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Moderate | 150mph | |
| Vc/New Hope Wwtp-20 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Very High | 150mph | |

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|---|---|---|---|---|---|---|---|---|
| Vc/Pelican Dunes Wwtp-9 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | X | Moderate | 160mph | |
| Vc/Pine Island Wwtp-10 | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | Moderate | 150mph | AE |
| Tomoka Landfill Leachate Sprayfield | Wastewater Treatment Facilities And Lift Stations | Volusia County | | | | High | 160mph | A |
| Vc/Halifax Plantation Wtp-8 | Drinking Water Facilities | | | | | Low | 160mph | |
| Vc/Southwest Wtp-1d | Drinking Water Facilities | | | | | Low | 150mph | |
| Vc/Spruce Creek Wtp-15 | Drinking Water Facilities | | | | X | Moderate | 160mph | |
| Vc/Southwest Wtp-1a | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Vc/Southwest Wtp-1b | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Vc/Southwest Wtp-2 | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Chuck Lennon Park | Drinking Water Facilities | | | | | Low | 150mph | |
| Highbridge Park | Drinking Water Facilities | | X | X | X | High | 160mph | X |
| Oak Hill Medical Clinic | Drinking Water Facilities | | | X | X | High | 160mph | |
| Mary Deweese Park | Drinking Water Facilities | | | | X | Moderate | 160mph | |
| Osteen R&B Barn | Drinking Water Facilities | | | | | Low | 160mph | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lake Beresford Park | Drinking Water Facilities | | | | | High | 150mph | |
| Lake Dias | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Nancy Cummings Park | Drinking Water Facilities | | | X | X | Moderate | 160mph | |
| Green Springs Park | Drinking Water Facilities | | | | | High | 150mph | |
| Bill Keller Park | Drinking Water Facilities | | | | | Moderate | 150mph | A |
| Vc/Southwest Wtp-1c | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Lake Ashby Park | Drinking Water Facilities | | | | | High | 160mph | |
| Hester Park / Malloy School | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Cassadaga Wtp | Drinking Water Facilities | | | | | High | 150mph | |
| Vc/New Hope Wtp-20 | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Vc/Pine Island Wtp-10 | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Beck Ranch Wtp | Drinking Water Facilities | | | | | Moderate | 150mph | |
| Osteen Civic Center | Drinking Water Facilities | | | | | Moderate | 160mph | |
| Shell Harbor Park | Drinking Water Facilities | | | | | High | 150mph | AE |

# APPENDIX E: ASSET IDENTIFICATION AND VULNERABILITY PER JURISDICTION

This analysis involves numerous sources, such as:

- HAZUS
- National Hurricane Center
- ECFRPC
- Volusia County and Jurisdictions
- FDEP

# JURISDICTION APPENDIX: DAYTONA BEACH

**Table 1: Asset Location and Surge Vulnerability - Daytona Beach**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Select Specialty Hospital - Daytona B...** | Medical Care Facilities | 12127080808 | 301 Memorial Medical Parkway, 11th Floor | 29.242562 | -81.107419 | 5 |
| **Adventhealth Daytona Beach** | Medical Care Facilities | 12127080808 | 301 Memorial Medical Pkwy | 29.24311 | -81.107657 | 5 |
| **Halifax Psychiatric Center-North** | Medical Care Facilities | 12127081702 | 841 Jimmy Ann Dr | 29.21402 | -81.068593 | 5 |
| **Halifax Health Medical Center** | Medical Care Facilities | 12127081800 | 303 N Clyde Morris Blvd | 29.202385 | -81.054828 | 5 |
| **Daytona Beach Veterans Affairs Outpat...** | Medical Care Facilities | 12127082303 | 551 National Health Care Drive | 29.206409 | -81.061756 | 5 |
| **Volusia County Emergency Management** | Emergency Operations Centers | 12127083206 | 49 Keyton Drive | 29.140482 | -81.144876 | 5 |
| **Daytona Beach Fire Department Station 6** | Fire Stations | 12127092500 | 2020 Beville Road | 29.163551 | -81.058022 | 5 |
| **Volusia County Fire Rescue Daytona Be...** | Fire Stations | 12127092500 | 2316 Bellevue Avenue Extension | 29.178478 | -81.057175 | 5 |
| **Volusia County Fire Services Training...** | Fire Stations | 12127083206 | 3889 Tiger Bay Road | 29.1467 | -81.153572 | 5 |
| **Daytona Beach Fire Department Station 3** | Fire Stations | 12127081201 | 945 North Halifax Avenue | 29.239725 | -81.021317 | 5 |
| **Daytona Beach Fire Department Station 2** | Fire Stations | 12127082604 | 126 Botefuhr Avenue | 29.202818 | -80.998535 | 5 |
| **South Daytona Fire Department** | Fire Stations | 12127082401 | 1672 South Ridgewood Avenue | 29.181292 | -81.008041 | 5 |
| **Volusia County Fire Services Station ...** | Fire Stations | 12127083211 | 1979 Taylor Road | 29.082958 | -81.066414 | 5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Daytona Beach Fire Department Station 1** | Fire Stations | 12127082000 | 301 South Beach Street | 29.208252 | -81.01696 | 5 |
| **Daytona Beach Fire Department Station 4** | Fire Stations | 12127082303 | 1675 Mason Avenue | 29.210711 | -81.067894 | 5 |
| **Daytona Beach Fire Department Station 5** | Fire Stations | 12127081600 | 627 North Nova Road | 29.216045 | -81.045746 | 5 |
| **Volusia County Sheriff's Office - Bea...** | Police Stations | 12127081300 | 515 South Atlantic Avenue | 29.218758 | -81.003544 | 5 |
| **South Daytona City Police Department** | Police Stations | 12127082401 | 1672 South Ridgewood Avenue | 29.181315 | -81.007999 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127092500 | 700 Catalina Drive | 29.184706 | -81.060813 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127082000 | 251 North Ridgewood Avenue | 29.215296 | -81.023479 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127082000 | 250 North Beach Street, Suite 119 | 29.215451 | -81.021655 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127083206 | 3825 Tiger Bay Road | 29.14645 | -81.148881 | 5 |
| **Volusia Sheriffs Department - Operati...** | Police Stations | 12127083206 | 1330 Indian Lake Road | 29.143009 | -81.145737 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127082000 | 125 East Orange Avenue | 29.210803 | -81.013856 | 5 |
| **Daytona Beach Police Department - Sub...** | Police Stations | 12127081202 | 510 Harvey Avenue | 29.223916 | -81.00984 | 5 |
| **Daytona Beach Police Department - Hea...** | Police Stations | 12127082100 | 990 Orange Avenue | 29.200853 | -81.037924 | 5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **The Chiles Academy** | Schools | 12127081900 | 868 George W Engram Blvd | 29.213284 | -81.039736 | |
| **Volusia Regional Juvenile Detention C...** | Schools | 12127083206 | 3840 Old Deland Rd | 29.136766 | -81.142734 | |
| **Richard Milburn Academy** | Schools | 12127081800 | 1031 Mason Ave | 29.217315 | -81.049547 | |
| **Palm Terrace Elementary School** | Schools | 12127082302 | 1825 Dunn Ave | 29.198401 | -81.074249 | |
| **Riverview Learning Center** | Schools | 12127081201 | 801 N Wild Olive Ave | 29.238417 | -81.016584 | |
| **David C. Hinson Sr. Middle School** | Schools | 12127080808 | 1860 N Clyde Morris Blvd | 29.239699 | -81.094684 | |
| **Mainland High School** | Schools | 12127092500 | 1255 W International Speedway Blvd | 29.197773 | -81.050885 | |
| **Amikids Volusia** | Schools | 12127081702 | 1420 Mason Ave Ste A | 29.213356 | -81.063596 | |
| **Daytona Juvenile Residential Facility** | Schools | 12127083206 | 1386 Indian Lake Rd | 29.136718 | -81.142758 | |
| **Seabreeze High School** | Schools | 12127081101 | 2700 N Oleander Ave | 29.266532 | -81.02991 | |
| **Turie T. Small Elementary School** | Schools | 12127082100 | 800 South St | 29.195917 | -81.027159 | |
| **Campbell Middle School** | Schools | 12127082100 | 625 S Keech St | 29.195004 | -81.030466 | |
| **Ortona Elementary School** | Schools | 12127081102 | 1265 N Grandview Ave | 29.24729 | -81.02356 | |
| **Stewart Treatment Center** | Schools | 12127083206 | 3875 Tiger Bay Rd | 29.144914 | -81.152038 | |
| **Halifax Behavioral Services** | Schools | 12127081702 | 841 Jimmy Ann Dr | 29.214037 | -81.06858 | |
| **Dept. Of Corrections Educational Program** | Schools | 12127083206 | 1300 Red John Dr | 29.140435 | -81.149447 | |
| **Westside Elementary School** | Schools | 12127082302 | 1700 5th St | 29.224138 | -81.071315 | |
| **Easter Seals Child Development Center...** | Schools | 12127081800 | 1219 Dunn Ave | 29.206916 | -81.054454 | |
| **R. J. Longstreet** | Schools | 12127082605 | 2745 S Peninsula Dr | 29.176687 | -80.986041 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Elementary School** | | | | | | |
| **Champion Elementary School** | Schools | 12127083205 | 921 Tournament Dr | 29.207816 | -81.137 | |
| **Basilica School Of St Paul** | Schools | 12127081500 | 317 Mullally St | 29.216946 | -81.027161 | |
| **Halifax Academy** | Schools | 12127082302 | 275 N Williamson Blvd | 29.189019 | -81.081327 | |
| **Daytona Beach Christian Academy** | Schools | 12127082415 | 1850 S Clyde Morris Blvd | 29.170829 | -81.038026 | |
| **Lourdes Academy** | Schools | 12127081102 | 1014 N.Halifax Ave | 29.2418 | -81.02111 | |
| **Father Lopez Catholic High School** | Schools | 12127081600 | 3918 Lpga Blvd | 29.218548 | -81.045937 | |
| **Mount Calvary Academy** | Schools | 12127082100 | 700 Bellevue Ave | 29.194227 | -81.024035 | |
| **Living Faith Academy** | Schools | 12127081701 | 950 Derbyshire Rd | 29.229362 | -81.064155 | |
| **Imagination Station Too Montessori** | Schools | 12127081201 | 528 N Peninsula Dr | 29.233445 | -81.016323 | |
| **Pure In Heart Christian Acad& Perform...** | Schools | 12127082000 | 121 S Palmetto Ave | 29.210732 | -81.020541 | |
| **Daytona State College - Advanced Tech...** | Schools | 12127080808 | 1770 Technology Blvd | 29.232026 | -81.098931 | |
| **Daytona State College - News-Journal ...** | Schools | 12127082000 | 221 North Beach St | 29.21517 | -81.019609 | |
| **University Of Central Florida - Dayto...** | Schools | 12127081800 | 1200 W. International Speedway Blvd. | 29.201995 | -81.048576 | |
| **Daytona State College** | Schools | 12127081800 | 1200 W. International Speedway Blvd. | 29.202259 | -81.051285 | |
| **Embry-Riddle Aeronautical University-...** | Schools | 12127092500 | 1 Aerospace Blvd. | 29.189219 | -81.049481 | |
| **Bethune-Cookman University** | Schools | 12127082000 | 640 Dr Mary Mcleod Bethune Blvd | 29.210556 | -81.031595 | |
| **Embry-Riddle Aeronautical University-...** | Schools | 12127092500 | 1 Aerospace Blvd. | 29.189241 | -81.04955 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Wesh Ch 2** | Communicatio n Facilities | 12127090804 | | 28.93832 | -81.3159 | |
| **Wven-Tv Ch 26** | Communicatio n Facilities | 12127090102 | | 29.28637 | -81.4934 | |
| **Wndb 1150** | Communicatio n Facilities | 12127080805 | | 29.23526 | -81.07172 | |
| **Wrod 1340** | Communicatio n Facilities | 12127082201 | | 29.18887 | -81.00756 | |
| **Wdyb-Lp Ch 53** | Communicatio n Facilities | 12127080902 | | 29.23165 | -81.04172 | |
| **Wmfj 1450** | Communicatio n Facilities | 12127081500 | | 29.22526 | -81.02478 | |
| **Wjhm Ch 270** | Communicatio n Facilities | 12127090804 | | 28.92138 | -81.31895 | |
| **Vehicle Maintenance Facility** | Waste Water Facilities | 12127081500 | 412 North Seagrave Avenue | 29.217501 | -81.0289 | |
| **Daytona Beach/Bethun e Point (D** | Waste Water Facilities | 12127082201 | 1 Shady Place | 29.196199 | -81.008301 | |
| **Dots Terminal** | Bus Facilities | 1034 N Nova Rd | 12127081702 | 29.226 | -81.0511 | |
| **Greyhound Bus Station** | Bus Facilities | 138 S Ridgewood Ave | 12127082000 | 29.2101 | -81.023 | |
| **Daytona Bch Mun Yacht Basin** | Port Facilities | 12127081300 | Intracoastal Waterway, Jacksonville T... | 29.21716 | -81.01551 | |
| | | | | | | |
| **Total Asset Count:** | **74** | | | | | |

# JURISDICTION APPENDIX: DAYTONA BEACH SHORES

**Table 2:Asset Location and Surge Vulnerability - Daytona Beach Shores**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Daytona Beach Shores Department Of Pu...** | Fire Stations | 12127082605 | 3050 South Atlantic Avenue | 29.16644 | -80.9778 | 5 |
| **Daytona Beach Shores Department Of Pu...** | Police Stations | 12127082605 | 3050 South Atlantic Avenue | 29.16579 | -80.9775 | 5 |
| | | | | | | |
| **Total Asset Count:** | **2** | | | | | |

# JURISDICTION APPENDIX: DEBARY

**Table 3:Asset Location and Surge Vulnerability - DeBary**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Volusia County Fire Station 33 Debary** | Fire Stations | 12127090905 | 93 South Charles Richard Beall Boulevard | 28.88302 | -81.3082 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127090905 | 94 South United States Highway 17-92 | 28.88407 | -81.308 | 5 |
| **The Reading Edge Academy** | Schools | 12127090905 | 2975 Enterprise Rd | 28.89505 | -81.2827 | |
| **Highbanks Learning Center** | Schools | 12127090905 | 336 E Highbanks Rd | 28.89078 | -81.2851 | |
| **Debary Elementary School** | Schools | 12127090903 | 88 W Highbanks Rd | 28.89119 | -81.3207 | |
| **Florida Power & Light Co** | Electric Power Facilities | 12127090904 | 950 S Hwy 17-92 | 28.84316 | -81.3255 | |
| **Duke Energy Florida, Llc** | Electric Power Facilities | 12127090803 | 176 West Highbanks Rd. | 28.90386 | -81.3323 | |
| | | | | | | |
| **Total Asset Count:** | **7** | | | | | |

# JURISDICTION APPENDIX: DELAND

**Table 4: Asset Location and Surge Vulnerability - Deland**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Adventhealth Deland** | Medical Care Facilities | 12127090202 | 701 W Plymouth Ave | 29.04365 | -81.3173 | 5 |
| **Volusia County Emergency Operations C...** | Emergency Operation Centers | 12127090500 | 123 West Indiana Avenue | 29.02947 | -81.3049 | 5 |
| **Deland Fire Department Station 81** | Fire Stations | 12127090500 | 201 West Howry Avenue | 29.02666 | -81.3057 | 5 |
| **Deland Fire Department Station 83** | Fire Stations | 12127090306 | 1655 East Taylor Road | 29.00055 | -81.2631 | 5 |
| **Volusia County Fire Services Kepler R...** | Fire Stations | 12127090305 | 1885 Kepler Road | 29.06132 | -81.2625 | 5 |
| **Deland Fire Department Station 82** | Fire Stations | 12127090202 | 257 West International Speedway Boule... | 29.05504 | -81.3077 | 5 |
| **Volusia County Fire Rescue Spring Lak...** | Fire Stations | 12127090803 | 2850 Firehouse Road | 28.97744 | -81.3011 | 5 |
| **Volusia County Fire Services Glenwood...** | Fire Stations | 12127090204 | 920 Glenwood Road | 29.07223 | -81.328 | 5 |
| **Volusia County Fire Rescue Saint John...** | Fire Stations | 12127090701 | 2580 West State Highway 44 | 29.02288 | -81.359 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127090303 | 951 Singleton Drive | 29.0602 | -81.2862 | 5 |
| **De Land Police Department** | Police Stations | 12127090500 | 219 West Howry Avenue | 29.02671 | -81.307 | 5 |
| **Volusia County Sheriffs Department La...** | Police Stations | 12127090702 | 1706 South Woodland Boulevard | 28.99841 | -81.3047 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127090500 | 101 North Alabama Avenue | 29.02925 | -81.2998 | 5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Volusia County Sheriff's Office** | Police Stations | 12127090500 | 123 West Indiana Avenue | 29.02952 | -81.305 | |
| **Florida Highway Patrol Troop D - Deland** | Police Stations | 12127090303 | 1551 East International Speedway Boul... | 29.05884 | -81.2744 | |
| **Deland Middle School** | Schools | 12127090307 | 1400 Aquarius Ave | 29.00428 | -81.2975 | |
| **Citrus Grove Elementary School** | Schools | 12127090204 | 729 Hazen Rd | 29.03934 | -81.3358 | |
| **George W. Marks Elementary School** | Schools | 12127090304 | 1000 N Garfield Ave | 29.04608 | -81.297 | |
| **Edith I. Starke Elementary School** | Schools | 12127090600 | 730 S Parsons Ave | 29.01502 | -81.309 | |
| **Deland High School** | Schools | 12127090402 | 800 N Hill Ave | 29.04167 | -81.284 | |
| **Freedom Elementary School** | Schools | 12127090306 | 1395 S Blue Lake Ave | 28.99411 | -81.2714 | |
| **Florida Technical College - Deland Ca...** | Schools | 12127090307 | 1199 South Woodland Blvd | 29.00912 | -81.3006 | |
| **Lighthouse Christian Preparatory Academy** | Schools | 12127090701 | 126 S Ridgewood Ave | 29.02371 | -81.341 | |
| **T.O.P Academy** | Schools | 12127090600 | 330 S Thompson Ave | 29.02343 | -81.3107 | |
| **Daytona State College - Deland** | Schools | 12127090306 | 1155 County Road 4139 | 29.01203 | -81.2431 | |
| **Casa Montessori** | Schools | 12127090401 | 217 N Stone St Ste B | 29.03042 | -81.3157 | |
| **St Barnabas Episcopal School** | Schools | 12127090401 | 322 W Michigan Ave | 29.03307 | -81.3084 | |
| **Children's House Montessori School** | Schools | 12127090402 | 509 E Pennsylvania Ave | 29.03961 | -81.2942 | |
| **St Peter Catholic School** | Schools | 12127090500 | 421 W New York Ave | 29.02868 | -81.3099 | |
| **Stetson Baptist Christian School** | Schools | 12127090202 | 1025 W Minnesota Ave | 29.0358 | -81.3239 | |
| **Pk Child Care Program** | Schools | 12127090401 | 200 N Clara Ave | 29.03016 | -81.3085 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Southwestern Middle School** | Schools | 12127090702 | 605 W New Hampshire Ave | 29.00753 | -81.3143 | |
| **Blue Lake Elementary School** | Schools | 12127090304 | 282 N Blue Lake Ave | 29.03089 | -81.2763 | |
| **Ese Related Services** | Schools | 12127090401 | 200 N Clara Ave | 29.03019 | -81.3086 | |
| **Woodward Avenue Elementary School** | Schools | 12127090701 | 1201 S Woodward Ave | 29.01077 | -81.3309 | |
| **Stetson University** | Schools | 12127090402 | 421 N Woodland Blvd | 29.03532 | -81.3006 | |
| **Wynd 1310** | Communicatio n Facilities | 12127090307 | | 28.99943 | -81.2981 | |
| **Wocl Ch 290** | Communicatio n Facilities | 12127090804 | | 28.92138 | -81.319 | |
| **Wnda 1490** | Communicatio n Facilities | 12127090600 | | 29.01637 | -81.2859 | |
| **Wnda 1490** | Communicatio n Facilities | 12127090600 | | 29.01832 | -81.2995 | |
| **Deland, City Of - Wiley M Nash Wrf** | Waste Water Facilities | 12127090307 | 1032 S Amelia Ave | 29.009 | -81.2981 | |
| **Daytona Beach Intl** | Airport Facilities | 12127092500 | 123 W Indiana Ave | 29.17992 | -81.0581 | |
| **Deland Muni-Sidney H Taylor Field** | Airport Facilities | 12127090303 | 120 S. Florida Ave. | 29.06703 | -81.2838 | |
| **Advent Health Deland** | Airport Facilities | 12127090202 | 701 W Plymouth Ave | 29.04463 | -81.3178 | |
| **Highbride Park** | Potable Water Facilities | 12127080201 | 300 E. New Hampshire | 29.40856 | -81.0995 | |
| **Fla Power & Light Lake Monroe** | Port Facilities | 12127090904 | St. Johns River, Fl Jacksonville To L... | 28.83962 | -81.3261 | |
| **Enterprise Fla** | Port Facilities | 12127091018 | St. Johns River, Fl Jacksonville To L... | 28.86845 | -81.2721 | |
| | | | | | | |
| **Total Asset Count:** | **47** | | | | | |

# JURISDICTION APPENDIX: DELTONA

**Table 5:Asset Location and Surge Vulnerability - Deltona**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Halifax Health UF Health Medical Cent...** | Medical Care Facilities | 12127091001 | | 28.957659 | -81.2557 | 5 |
| **Deltona Fire Rescue Department Statio...** | Fire Stations | 12127091030 | 1685 Providence Boulevard | 28.906279 | -81.2259 | 5 |
| **Deltona Fire Rescue Department Statio...** | Fire Stations | 12127091018 | 320 Diamond Street | 28.900116 | -81.2715 | 5 |
| **Deltona Fire Rescue Department Statio...** | Fire Stations | 12127091025 | 236 Fort Smith Boulevard | 28.879847 | -81.1748 | 5 |
| **Deltona Fire Rescue Department Statio...** | Fire Stations | 12127091036 | 2146 Howland Boulevard | 28.923847 | -81.1894 | 5 |
| **Deltona City Fire Station 65** | Fire Stations | 12127091032 | 2983 Howland Boulevard | 28.947231 | -81.2326 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127091030 | 16941 Providence Blvd | 28.906735 | -81.2253 | |
| **Deltona Middle School** | Schools | 12127091018 | 250 Enterprise Rd | 28.877966 | -81.2724 | |
| **Sunrise Elementary School** | Schools | 12127091025 | 3155 Phonetia Dr | 28.881496 | -81.1755 | |
| **Deltona Christian School** | Schools | 12127091017 | 1200 Providence Blvd | 28.881367 | -81.2428 | |
| **Trinity Christian Academy** | Schools | 12127091033 | 875 Elkcam Blvd | 28.924473 | -81.2543 | |
| **Gateway Christian Academy** | Schools | 12127091028 | 950 Doyle Rd | 28.870378 | -81.2504 | |
| **Academy Of Career Training - Deltona ...** | Schools | 12127091018 | 1260 Deltona Boulevard | 28.897291 | -81.2674 | |
| **Daytona State College - Deltona Campus** | Schools | 12127091019 | 2351 Providence Blvd | 28.929134 | -81.2216 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Good Shepherd Academy** | Schools | 12127091025 | 750 Howland Blvd | 28.883624 | -81.1668 | |
| **Aldersgate Academy** | Schools | 12127091018 | 51 Childrens Way | 28.868036 | -81.2666 | |
| **Pine Ridge High School** | Schools | 12127091035 | 926 Howland Blvd | 28.886829 | -81.162 | |
| **Spirit Elementary School** | Schools | 12127091015 | 1500 Meadowlark Dr | 28.90587 | -81.2423 | |
| **Friendship Elementary School** | Schools | 12127091019 | 2746 Fulford St | 28.93433 | -81.1885 | |
| **Heritage Middle School** | Schools | 12127091025 | 1001 Parnell Ct | 28.891873 | -81.1721 | |
| **Galaxy Middle School** | Schools | 12127091032 | 2400 Eustace Ave | 28.929963 | -81.2301 | |
| **Forest Lake Elementary School** | Schools | 12127091028 | 1600 Doyle Rd | 28.873479 | -81.2286 | |
| **Timbercrest Elementary School** | Schools | 12127091032 | 2401 Eustace Ave | 28.932539 | -81.231 | |
| **Pride Elementary School** | Schools | 12127091035 | 1100 Learning Ln | 28.89545 | -81.1621 | |
| **Discovery Elementary School** | Schools | 12127091017 | 975 Abagail Dr | 28.89193 | -81.2503 | |
| **Deltona Lakes Elementary School** | Schools | 12127091019 | 2022 Adelia Blvd | 28.921411 | -81.2174 | |
| **Deltona High School** | Schools | 12127091032 | 100 Wolf Pack Run | 28.946599 | -81.2464 | |
| | | | | | | |
| **Total Asset Count:** | **27** | | | | | |

# JURISDICTION APPENDIX: EDGEWATER

**Table 6: Asset Location and Surge Vulnerability - Edgewater**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Edgewater Department Of Fire Rescue S...** | Fire Station | 12127083008 | 1605 South Ridgewood Avenue | 28.97596 | -80.8973 | 5 |
| **Edgewater Department Of Fire Rescue S...** | Fire Station | 12127083006 | 2628 Hibiscus Drive | 28.95396 | -80.8958 | 5 |
| **Edgewater Police Department** | Police Stations | 12127083008 | 135 East Park Avenue | 28.9929 | -80.9053 | 5 |
| **Indian River Elementary School** | Schools | 12127083005 | 650 Roberts Rd | 28.94558 | -80.8912 | |
| **Edgewater Public School** | Schools | 12127083008 | 801 S Old County Rd | 28.9842 | -80.9071 | |
| **Little Explorers Montessori** | Schools | 12127083008 | 408 N Ridgewood Ave | 29.0004 | -80.9125 | |
| **Edgehop Christian Academy** | Schools | 12127083005 | 3042 S Ridgewood Ave Ste A | 28.94675 | -80.8845 | |
| **Discovery Days Institute Of Learning** | Schools | 12127083008 | 227 N Ridgewood Ave | 28.99451 | -80.9088 | |
| **Wkro-Fm Ch 226** | Communicatio n Facilities | 12127083003 | Unknown | 28.89471 | -80.8853 | |
| **Wkto Ch 204** | Communicatio n Facilities | 12127083209 | Unknown | 29.04165 | -81.0562 | |
| **Kennedy Space Cntr Federal Cre** | Waste Water Facilities | 12127083005 | Unknown | 28.9505 | -80.8856 | |
| **Kennedy Park Improvements** | Waste Water Facilities | 12127083008 | 103 S Riverside Dr | 28.9933 | -80.9047 | |
| **Edgewater, City Of** | Waste Water Facilities | 12127082704 | 500 W Ocean Ave | 28.9898 | -80.8999 | |
| **Edgewater Fla** | Port Facilities | 12127083008 | Intracoastal Waterway, Jacksonville T... | 29.0016 | -80.9065 | |
| | | | | | | |
| | | | | | | |
| **Total Asset Count:** | **14** | | | | | |

# JURISDICTION APPENDIX: HOLLY HILL

**Table 7: Asset Location and Surge Vulnerability - Holly Hill**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Volusia County Fire Services Station ...** | Fire Station | 12127080805 | 1580 Derbyshire Road | 29.24434 | -81.0714 | 5 |
| **Holly Hill Fire Rescue Station 96** | Fire Station | 12127081002 | 1030 Daytona Avenue | 29.2062 | -81.0362 | 5 |
| **Volusia County Sheriffs Department - ...** | Police Stations | 12127080102 | 1435 Us Hwy 1, Suite D-3 | 29.33017 | -81.1217 | 5 |
| **Holly Hill Police Department** | Police Stations | 12127081002 | 1065 Ridgewood Avenue | 29.24512 | -81.04 | 5 |
| **Holly Hill School** | Schools | 12127080901 | 1500 Center Ave | 29.24934 | -81.0554 | |
| **Ubic Academy** | Schools | 12127080901 | 560 Flomich St | 29.25283 | -81.0554 | |
| **Installer Institute** | Schools | 12127081001 | 1524 Ridgewood Avenue | 29.2546 | -81.0468 | |
| **Wvyb Ch 277** | Communication Facilities | 12127080805 | Unknown | 29.23637 | -81.0728 | |
| **Wapn Ch 218** | Communication Facilities | 12127081001 | Unknown | 29.25192 | -81.0478 | |
| **Holly Hill, City Of (Dw)** | Waste Water Facilities | 12127081002 | 453 Lpga Boulevard | 29.2447 | -81.0341 | |
| | | | | | | |
| **Total Asset Count:** | **10** | | | | | |

# JURISDICTION APPENDIX: LAKE HELEN

**Table 8: Asset Location and Surge Vulnerability - Lake Helen**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Volusia County Fire Services Station ...** | Fire Station | 12127091001 | 630 West Main Street | 28.98503 | -81.2429 | 5 |
| **Lake Helen Police Department** | Police Stations | 12127091001 | 493 South Lakeview Drive | 28.97773 | -81.2315 | 5 |
| **Blake Memorial Day School** | Schools | 12127091001 | 134 N Euclid Ave | 28.98545 | -81.2344 | |
| **Volusia Pines Elementary School** | Schools | 12127091001 | 500 E Kicklighter Rd | 28.97211 | -81.2261 | |
| **Central Fellowship Christian Academy** | Schools | 12127091021 | 626 E Kicklighter Rd | 28.97038 | -81.2147 | |
| **Ivy Hawn Charter School Of The Arts** | Schools | 12127091001 | 565 S Lakeview Dr Unit 110 | 28.97798 | -81.2308 | |
| | | | | | | |
| **Total Asset Count:** | **6** | | | | | |

# JURISDICTION APPENDIX: NEW SMYRNA BEACH

**Table 9: Asset Location and Surge Vulnerability - New Smyrna Beach**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Adventhealth New Smyrna Beach** | Medical Care Facilities | 12127082802 | 401 Palmetto St | 29.02029 | -80.9219 | 5 |
| **New Smyrna Beach Fire Department** | Fire Stations | 12127082802 | 103 Faulkner Street | 29.02555 | -80.9229 | 5 |
| **Volusia County Fire Services Station ...** | Fire Stations | 12127082903 | 1850 Pioneer Trail | 29.01858 | -80.9458 | 5 |
| **Volusia County Fire Services Station ...** | Fire Stations | 12127082704 | 4840 South Atlantic Avenue | 28.97951 | -80.8609 | 5 |
| **New Smyrna Beach Fire And Rescue Stat...** | Fire Stations | 12127083209 | 151 Williamson Boulevard Extension | 29.01575 | -80.9951 | 5 |
| **New Smyrna Beach Fire And Rescue Fire...** | Fire Stations | 12127082703 | 500 East 3rd Avenue | 29.02914 | -80.8998 | 5 |
| **New Smyrna Beach Fire And Rescue Fire...** | Fire Stations | 12127082802 | 1400 North Dixie Freeway | 29.04902 | -80.9371 | 5 |
| **Volusia County Sheriff - Civil Division** | Police Stations | 12127082802 | 101 Canal Street | 29.02576 | -80.9213 | 5 |
| **New Smyrna Beach Police Department** | Police Stations | 12127082802 | 1400 North Dixie Freeway | 29.04753 | -80.9407 | 5 |
| **Read-Pattillo Elementary School** | Schools | 12127082802 | 400 6th St | 29.0109 | -80.9198 | |
| **Chisholm Elementary School** | Schools | 12127082903 | 557 Ronnoc Ln | 29.03004 | -80.9327 | |
| **Samsula Academy** | Schools | 12127083209 | 248 N Samsula Dr | 29.02228 | -81.0509 | |
| **New Smyrna Beach Middle School** | Schools | 12127082902 | 1200 S Myrtle Ave | 29.00452 | -80.9236 | |
| **New Smyrna Beach High School** | Schools | 12127082902 | 1015 10th St | 29.00317 | -80.9304 | |
| **Coronado Beach** | Schools | 12127082705 | 3550 Michigan Ave | 29.00276 | -80.8787 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Elementary School** | | | | | | |
| **Sacred Heart Catholic School** | Schools | 12127082802 | 1003 Turnbull St | 29.03898 | -80.9346 | |
| **Bethel Christian Academy** | Schools | 12127082903 | 312 N Duss St | 29.02431 | -80.9331 | |
| **Space Coast Christian Academy** | Schools | 12127083209 | 223 N Samsula Dr | 29.02075 | -81.0508 | |
| **Knight's Christian Academy** | Schools | 12127082802 | 310 Douglas St | 29.02296 | -80.9232 | |
| **Daytona State College - New Smyrna Be...** | Schools | 12127083009 | 940 10th St | 28.99996 | -80.927 | |
| **WJLU Ch 209** | Communication Facilities | 12127082902 | | 29.00915 | -80.9739 | |
| **WCEU Ch 15** | Communication Facilities | 12127083206 | | 29.17359 | -81.1565 | |
| **WSBB 1230** | Communication Facilities | 12127082802 | | 29.03276 | -80.9173 | |
| **New Smyrna Beach Utili...** | Electric Power Facilities | 12127082902 | 1000 Field Street | 29.01732 | -80.9329 | |
| **New Smyrna Beach Muni** | Airport Facilities | 12127082802 | 210 Sams Ave | 29.05569 | -80.9489 | |
| **New Smyrna Bch Municipal Whfs** | Port Facilities | 12127082701 | Intracoastal Waterway, Jacksonville T... | 29.03892 | -80.9064 | |
| **Shrimp Docks New Smyrna Bch** | Port Facilities | 12127082701 | Intracoastal Waterway, Jacksonville T... | 29.03919 | -80.9061 | |
| **Uscg Station, Ponce De Leon Inlet, Fl** | Port Facilities | 12127082701 | Intracoastal Waterway, Jacksonville T... | 29.06346 | -80.9146 | |
| | | | | | | |
| **Total Asset Count:** | **28** | | | | | |

# JURISDICTION APPENDIX: OAK HILL

**Table 10: Asset Location and Surge Vulnerability - Oak Hill**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (ft) |
|---|---|---|---|---|---|---|
| **Volusia County Fire Services Station ...** | Fire Stations | 12127083003 | 213 North US Highway 1 | 28.8703 | -80.8509 | 5 |
| **OAK HILL POLICE DEPARTMENT** | Police Stations | 12127083003 | 234 SOUTH UNITED STATES HIGHWAY 1 | 28.85887 | -80.8512 | 5 |
| **BURNS SCIENCE AND TECHNOLOGY CHARTER ...** | Schools | 12127083003 | 160 RIDGE RD | 28.86216 | -80.849 | |
| **OAKHILL FISH DOCK** | Port Facilities | 12127083003 | Intracoastal Waterway, Jacksonville t... | 28.88228 | -80.8425 | |
| | | | | | | |
| **TOTAL ASSET COUNT:** | **4** | | | | | |

# JURISDICTION APPENDIX: ORANGE CITY

**Table 11: Asset Location and Surge Vulnerability - Orange City**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Adventhealth Fish Memorial** | Medical Care Facilities | 12127090806 | 1055 Saxon Blvd | 28.91437 | -81.2852 | 5 |
| **Orange City Fire Department** | Fire Stations | 12127090808 | 215 North Holly Avenue | 28.95008 | -81.2981 | 5 |
| **Orange City Fire Department Station 68** | Fire Stations | 12127090806 | 743 Harley Strickland Boulevard | 28.91869 | -81.2924 | 5 |
| **Orange City Police Department** | Police Stations | 12127090808 | 207 North Holly Avenue | 28.94959 | -81.2981 | 5 |
| **River Springs Middle School** | Schools | 12127090804 | 900 W Ohio Ave | 28.93878 | -81.3092 | |
| **Orange City Elementary School** | Schools | 12127090808 | 555 E University Ave | 28.95138 | -81.2916 | |
| **University High School** | Schools | 12127090804 | 1000 W Rhode Island Ave | 28.93184 | -81.313 | |
| **Sunrise Academy** | Schools | 12127090905 | 2700 Enterprise Rd Ste A | 28.90869 | -81.291 | |
| **Manatee Cove Elementary School** | Schools | 12127090804 | 734 W Ohio Ave | 28.93914 | -81.3001 | |
| | | | | | | |
| **Total Asset Count:** | **9** | | | | | |

# JURISDICTION APPENDIX: ORMOND BEACH

**Table 12: Asset Location and Surge Vulnerability - Ormond Beach**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Volusia County Fire Services Station ...** | Fire Stations | 12127080102 | 3935 Old Dixie Highway | 29.40434 | -81.1448 | 5 |
| **Volusia County Fire Services Station ...** | Fire Stations | 12127080101 | 15 Southland Road | 29.3288 | -81.1124 | 5 |
| **Volusia County Fire Services Station ...** | Fire Stations | 12127080202 | 1716 Atlantic Avenue | 29.33538 | -81.0611 | 5 |
| **Ormond Beach Fire Department Station 92** | Fire Stations | 12127080803 | 189 South Nova Road | 29.27547 | -81.0824 | 5 |
| **Ormond Beach Fire Department Station 94** | Fire Stations | 12127083203 | 2300 Airport Road | 29.27418 | -81.1461 | 5 |
| **Ormond Beach Fire Department Station 93** | Fire Stations | 12127080600 | 300 Wilmette Avenue | 29.29069 | -81.0686 | 5 |
| **Ormond Beach Fire Department Station 91** | Fire Stations | 12127080500 | 364 South Atlantic Avenue | 29.28255 | -81.036 | 5 |
| **Ormond Beach Police Department** | Police Stations | 12127080600 | 170 West Granada Boulevard | 29.28288 | -81.0608 | 5 |
| **Ormond Beach Elementary School** | Schools | 12127080600 | 100 Corbin Ave | 29.28376 | -81.0577 | |
| **St Brendan Catholic School** | Schools | 12127080400 | 1000 Ocean Shore Blvd | 29.31555 | -81.0535 | |
| **Calvary Christian Academy** | Schools | 12127083203 | 1687 W Granada Blvd | 29.25741 | -81.1188 | |
| **Temple Beth-El School** | Schools | 12127080807 | 579 N Nova Rd | 29.29289 | -81.0864 | |
| **Riverbend Academy** | Schools | 12127083205 | 2080 W Granada Blvd | 29.24984 | -81.1349 | |
| **The Children's House** | Schools | 12127083205 | 55 N Washington St | 29.25239 | -81.13 | |
| **Chabad Esformes** | Schools | 12127080806 | 1079 W Granada Blvd | 29.27351 | -81.0955 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Hebrew Academy** | | | | | | |
| **The Little Engine Academy** | Schools | 12127080803 | 499 S Nova Rd | 29.2681 | -81.0783 | |
| **Acs Educational Resources And Consult...** | Schools | 12127080807 | 53 N Old Kings Rd Ste D | 29.27968 | -81.0802 | |
| **Reign Homeschooling Academy** | Schools | 12127080808 | 1060 W Granada Blvd | 29.2736 | -81.0943 | |
| **Ormond Beach Middle School** | Schools | 12127080700 | 151 Domicilio Ave | 29.3081 | -81.0702 | |
| **Pace Center For Girls** | Schools | 12127080600 | 208 Central Ave | 29.27934 | -81.0592 | |
| **Pathways Elementary School** | Schools | 12127083203 | 2100 Airport Rd | 29.27229 | -81.1351 | |
| **Tomoka Elementary School** | Schools | 12127080808 | 999 Old Tomoka Rd | 29.2748 | -81.0908 | |
| **Osceola Elementary School** | Schools | 12127080400 | 100 Osceola Ave | 29.28661 | -81.0399 | |
| **Pine Trail Elementary School** | Schools | 12127080101 | 300 Airport Rd | 29.27525 | -81.1142 | |
| **Daytona College** | Schools | 12127080803 | 425 South Nova Road | 29.27008 | -81.0801 | |
| **Wele 1380** | Communication Facilities | 12127080805 | <Null> | 29.26942 | -81.0815 | |
| **Whog-Fm Ch 239** | Communication Facilities | 12127080805 | <Null> | 29.23637 | -81.0728 | |
| **Ormond Beach, City Of - Ormond Beach ...** | Waste Water Facilities | 12127080807 | 550 N Orchard St | 29.2936 | -81.0831 | |
| **Ormond Beach Muni** | Airport Facilities | 12127080101 | Po Box 277 | 29.30114 | -81.1138 | |
| **Ormond Beach Fla** | Port Facilities | 12127080400 | Intracoastal Waterway, Jacksonville T... | 29.30745 | -81.0581 | |
| | | | | | | |
| **Total Asset Count:** | **30** | | | | | |

# JURISDICTION APPENDIX: PIERSON

**Table 13: Asset Location and Surge Vulnerability - Pierson**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Volusia County Fire Services Station ...** | Fire Stations | 12127090102 | 132 North Fountain Drive | 29.24269 | -81.4668 | 5 |
| **Pierson Elementary School** | Schools | 12127090102 | 1 W 1st Ave | 29.24407 | -81.4637 | |
| **T. Dewitt Taylor Middle-High School** | Schools | 12127090101 | 100 E Washington Ave | 29.24629 | -81.4579 | |
| **Pierson Muni** | Airport Facilities | 12127090101 | 106 North Center Street | 29.25003 | -81.4593 | |
| | | | | | | |
| **Total Asset Count:** | **4** | | | | | |

# JURISDICTION APPENDIX: PONCE INLET

**Table 14: Asset Location and Surge Vulnerability - Ponce Inlet**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Ponce Inlet Fire Rescue Department** | Fire Stations | 12127082606 | 4680 South Peninsula Drive | 29.0987 | -80.9413 | 5 |
| **Ponce Inlet Police Department** | Police Stations | 12127082606 | 4301 South Peninsula Drive | 29.12053 | -80.9534 | 5 |
| | | | | | | |
| **Total Asset Count:** | **2** | | | | | |

# JURISDICTION APPENDIX: PORT ORANGE

**Table 15: Asset Location and Surge Vulnerability - Port Orange**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **Halifax Health Medical Center - Port Orange** | Medical Care Facilities | 12127082506 | 1041 Dunlawton Ave | 29.12621 | -81.0086 | 5 |
| **Port Orange Fire Rescue Department St...** | Fire Stations | 12127082506 | 1090 City Center Boulevard | 29.12542 | -81.0236 | 5 |
| **Port Orange Fire Rescue Department St...** | Fire Stations | 12127083207 | 1701 Town West Boulevard | 29.11142 | -81.0527 | 5 |
| **Port Orange Fire And Rescue Departmen...** | Fire Stations | 12127082511 | 4200 South Ridgewood Avenue | 29.14069 | -80.9864 | 5 |
| **Port Orange Fire Rescue Department St...** | Fire Stations | 12127082509 | 5839 Trailwood Drive | 29.10407 | -80.9878 | 5 |
| **Port Orange Fire Rescue Department St...** | Fire Stations | 12127083211 | 6701 Airport Road | 29.06816 | -81.0382 | 5 |
| **Port Orange Police Department** | Police Stations | 12127082506 | 1395 Dunlawton Avenue | 29.12097 | -81.0177 | 5 |
| **Spruce Creek High School** | Schools | 12127082512 | 801 Taylor Rd | 29.10871 | -81.016 | |
| **Sugar Mill Elementary School** | Schools | 12127082503 | 1101 Charles St | 29.14733 | -81.001 | |
| **Spruce Creek Elementary School** | Schools | 12127082508 | 642 Taylor Rd | 29.10572 | -81.0048 | |
| **Horizon Elementary School** | Schools | 12127082410 | 4751 Hidden Lake Dr | 29.1194 | -81.038 | |
| **Silver Sands Middle School** | Schools | 12127082506 | 1300 Herbert St | 29.13142 | -81.0172 | |
| **Creekside Middle School** | Schools | 12127083211 | 6801 Airport Rd | 29.06639 | -81.0417 | |
| **Hospital Homebound** | Schools | 12127082414 | 1250 Reed Canal Rd | 29.14862 | -81.0267 | |
| **Cypress Creek Elementary School** | Schools | 12127083210 | 6100 S Williamson Blvd | 29.08312 | -81.0272 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Port Orange Elementary School** | Schools | 12127082511 | 402 Dunlawton Ave | 29.14225 | -80.9914 | |
| **Sweetwater Elementary School** | Schools | 12127082512 | 5800 Victoria Gardens Blvd | 29.11633 | -81.0174 | |
| **Tlc Kids Care** | Schools | 12127083210 | 1835 Taylor Rd | 29.08951 | -81.0487 | |
| **Wise Independent Private School System** | Schools | 12127082510 | 250 Poinciana Ave | 29.11069 | -80.9779 | |
| **Rock Church Academy** | Schools | 12127083207 | 1818 Taylor Rd | 29.09101 | -81.0506 | |
| **Atlantic High School** | Schools | 12127082414 | 1250 Reed Canal Rd | 29.14864 | -81.0267 | |
| **Port Orange (Dw)** | Waste Water Facilities | 12127082503 | 817 Oak St | 29.1361 | -80.9947 | |
| | | | | | | |
| **Total Asset Count:** | **22** | | | | | |

# JURISDICTION APPENDIX: SOUTH DAYTONA

**Table 16: Asset Location and Surge Vulnerability - South Daytona**

| Asset Name | Asset Type | Census Tract | Address | Latitude | Longitude | Cat 3 Water Depth (Ft) |
|---|---|---|---|---|---|---|
| **South Daytona Elementary School** | Schools | 12127082405 | 600 Elizabeth Pl | 29.16828 | -81.0082 | |
| **Warner Christian Academy** | Schools | 12127082401 | 1730 S Ridgewood Ave | 29.17948 | -81.0073 | |
| **The Chase Academy, Inc.** | Schools | 12127082202 | 2400 S Ridgewood Ave Ste 17 | 29.17773 | -81.0248 | |
| **Blue Jay Academy** | Schools | 12127082404 | 960 Rooster Rd | 29.17319 | -81.0252 | |
| **International Academy** | Schools | 12127082401 | 2550 S Ridgewood Ave | 29.16218 | -80.9978 | |
| **WPUL 1590** | Communication Facilities | 12127082414 | | 29.1547 | -81.022 | |
| | | | | | | |
| **Total Asset Count:** | **6** | | | | | |

# APPENDIX F: HAZARD IDENTIFICATION RISK ANALYSIS (HIRA) CAPABILITY TARGETS

This section of the report details the core capability targets and resource requirements for some natural, man-made, and technological hazards covered in the Local Mitigation Strategy. The tables provided for each hazard are based on the template created as part of the Threat and Hazard Identification and Risk Assessment Guide (Second Edition) created by the U.S. Department of Homeland Security.

The following hazards are covered within this portion of the THIRA analysis:

- Drought
- Extreme Temperatures
- Flood
- HazMat Incident
- Public Health Emergency
- Sea Level Rise
- Severe Weather
- Storm Surge
- Terrorism
- Tornado
- Tropical Cyclone
- Wildland Fire

## Drought

| Drought | |
|---|---|
| **Context Description** | It is the beginning of summer. East central Florida is in a severe drought, as it has not rained in two months in Volusia County. The drought has caused brushfires to start in the western portions of the County. Dehydration-related deaths in the County have reached 10 since January. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience; Prescribed Burns, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/Rescue, Aerial Reconnaissance and GIS Mapping of Fire, Aerial Firefighting Services (Regional, State, Federal), Inter-County Cooperation and Resource Sharing, Operational Communication/ Coordination, Planning, Public/Private Services, Health/Medical Service, Public Info/Warning, Risk Resilience Management, Threat/Hazard Identification, Health/Medical Services, Rapid Medical Air Transport |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Extreme Temperatures

| Extreme Temperatures | |
|---|---|
| **Context Description** | It is mid-August and temperatures reach 110 degrees Fahrenheit for five straight days. Students returning to school are beginning to be hospitalized for heat stroke and other heat-related illnesses, and multiple elderly residents have passed away as a result of heat stroke. |
| | |
| **Core Capability** | |
| **Capability Target** | Health/Medical Services; Rapid Medical Air Transport; Mass Care Services; Public Info/Warning Systems; Social Media and Media Outreach; School District Coordination with Schools; Medical Training for School Staff Member(s); Intensive Care Unit; Response for Environmental/Health/Safety; Fatality Management; Coordination with the Federal/State Government; Coordination with the Red Cross |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
| | |
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## Flood

| Flooding | |
|---|---|
| **Context Description** | A large tropical low has formed off of the coast of Florida and has been held stationary by the presence of a low pressure system moving southward from northern Florida for over three days. An estimated 50% of the parcels within Flood Zone 'A' are affected, 50% of the parcels within Flood Zones 'AH', 'AO' and 'AE' are affected, 75% of the parcels within Flood Zone 'VE' are affected, and 1% of the parcels within Flood Zone X (500-Year Floodplain) are affected. The storm affects the building and assessed values of the parcels hit by an estimated 10%. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience, Critical Transportation, Economic Recovery, Environmental Response, Health and Social Services, Housing, Infrastructure Systems, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/Rescue, Natural and Cultural Resources, On-Scene Security/Protection, Operational Communication/Coordination, Planning, Public/Private Services, Health/Medical Service, Public Info/Warning, Risk Resilience Management, Risk Management Programs, Situational Assessment, Threat/Hazard Identification |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## HazMat Incident

| HazMat Incident | |
|---|---|
| **Context Description** | A train traveling along the Florida East Coast Railway crashes into Dubious Chemz, a chemical facility located along the Florida East Coast Railway line in unincorporated Volusia County. The train is not carrying hazardous materials, but the impact with the chemical facility triggers a simultaneous release of 26,000 pounds of chlorine stored in the facility into the air. Wind is registered at 5 miles per hour from the east southeast, humidity is 50% and the air temperature is 85 degrees Fahrenheit. The constant chemical leak lasts for exactly one hour, at which point all 26,000 pounds of chlorine have been released. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience, Critical Transportation, Economic Recovery, Response for Environmental/Health/Safety, Fatality Management, Forensics/Attribution, Health/Social Services, Infrastructure Systems, Intelligence/Information Sharing, Interdiction/Disruption, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/Rescue, Natural and Cultural Resources, On-Scene Security and Protection, Operational Communication, Operational Coordination, Planning, Public/Private Services and Response, Health/Medical Services, Public Info/ Warning, Risk Resilience Management, Risk Management Programs, Screen/ Search/ Detect, Situational Assessment, Threat/Hazard Identification |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Public Health Emergency

| Public Health Emergency | |
|---|---|
| **Context Description** | An airplane landing at Daytona Municipal Airport carrying 234 passengers becomes overwhelmed by a NLV-like pandemic that sickens 80% of the passenger. After the passengers de-board the plane without a health check, the virus is airborne, has a 20% spread rate (20% of people who come in contact with the infected become infected) and is caught when a person with the sickness comes within 1 foot of a person with the pandemic. Moreover, of the 234 passengers affected with the sickness, those 234 passengers come in contact (or spread the disease) with an average of 7.5 persons per hour. The disease does not inflict casualties until at least 12 to 18 hours after the initial infection period, adding to the number of individuals who can be exposed to the disease from those infected individuals that are still alive. |
| | |
| **Core Capability** | |
| **Capability Target** | Access Control/ID Verification, Community Resilience, Economic Recovery, Response for Environmental/Health/Safety, Fatality Management, Health/Social Services, Intelligence/Information Sharing, Interdiction/ Disruption, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/ Rescue, On-Scene Security and Protection, Operational Communication, Operational Coordination, Physical Protective Measures, Planning, Public/ Private Services and Response, Health/Medical Services, Public Info/ Warning, Risk Resilience Management, Risk Management Programs, Screen/ Search/ Detect, Situational Assessment, Supply Chain Integrity, Threat/Hazard Identification |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Sea Level Rise

| Sea Level Rise | |
|---|---|
| **Context Description** | It is the year 2070. A neighborhood located on the barrier islands is beginning to flood frequently due to sea level rise, subsidence and other factors. Property owners are having a hard time selling their properties and the value of the properties is decreasing. |
| | |
| **Core Capability** | |
| **Capability Target** | Pre-Planning as part of the HMGP Program (Demolition, etc.); Sea Level Rise Vulnerability Assessments and Identified Countermeasures; Gray/Green Infrastructure (Sea Walls); Other Protective Measures; Community Resilience; Economic Recovery, Environmental Response, Health and Social Services, Housing, Infrastructure Systems, Long Term Vulnerability Reduction |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Severe Weather

| Severe Weather | |
|---|---|
| **Context Description** | A youth sports team is caught in a severe thunderstorm and multiple members of the team are struck by lightning. The sports complex is located in a rural area of west Volusia, not close to any hospital facilities. Some patients need immediate hospital care while others have very minor injuries. |
| | |
| **Core Capability** | |
| **Capability Target** | Health/Medical Services; Rapid Medical Air Transport; Mass Care Services; Mass Search/Rescue; Public Info/Warning Systems; Social Media; National Weather Service Coordination; Regional EMS Support; Inter-Local Agreements for Medical Response; Intensive Care Unit; Medical Specialists |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Storm Surge

| Storm Surge | |
|---|---|
| **Context Description** | A Category 3 Hurricane hits Volusia County, affecting a large portion of the county with storm surge damage. An estimated 60% of the parcels within the Category 1 Storm Surge zone are affected, 45% of the parcels within the Category 2 zone are affected, 30% of the parcels within the Category 3 zone are affected, 2% of the parcels within the Category 4 zone are affected and 1% of the parcels within the Category 5 zone are affected. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience, Critical Transportation, Economic Recovery, Environmental Response, Health and Social Services, Housing, Infrastructure Systems, Long Term Vulnerability Reduction, Mass Search/Rescue, Natural and Cultural Resources, On-Scene Security/Protection, Operational Communication/ Coordination, Planning, Public/Private Services, Health/Medical Service, Public Info/Warning, Risk Resilience Management, Risk Management Programs, Situational Assessment, Threat/Hazard Identification |
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| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Terrorism

| Terrorism | |
|---|---|
| **Context Description** | A terrorist of unknown domestic or international origin detonates an explosive at the Daytona 500 car race while attendees are exiting the stadium. There are immediate casualties, both fatal and non-fatal, including fatal injuries to the perpetrator. It is unknown whether or not the perpetrator acted alone. |
| | |
| **Core Capability** | |
| **Capability Target** | Federal Coordination of Assets and Intelligence (FBI, CIA); State Coordination of Assets and Intelligence (FDLE); Regional Coordination of Assets and Equipment (CFIX); COOP Planning; Economic Recovery Planning; Mass Care Services; Mass Search/Rescue; On-Scene Law Enforcement Response; Health/Medical Services; Physical Protective Measures; Public Information; Coordination through the Media, Social Media and Law Enforcement; Operational Communication, Operational Coordination |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Tornado

| Tornado | |
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| **Context Description** | A Category 3 Hurricane spawns several F1 tornadoes near the Ponce Inlet area. 100% of the parcels that are directly hit by the tornado are affected with 100% damage (as a percentage of building value), 50% of the parcels within 1/8 of a mile are affected with 75% damage, 20% of the parcels closer than 1/4 mile but farther than 1/8 mile away are affected with 20% damage, 5% of the parcels closer than 1/2 mile but farther than 1/4 mile away are affected with 2% in damage, and 1% of the parcels father than 1/2 mile away but less than one mile away are affected with minor, variable damage. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience, Economic Recovery, Environmental Response, Health and Social Services, Housing, Infrastructure Systems, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/Rescue, Natural and Cultural Resources, On-Scene Security/Protection, Operational Communication/ Coordination, Planning, Public/Private Services, Health/Medical Service, Public Info/Warning, Risk Resilience Management, Risk Management Programs, Situational Assessment, Threat/Hazard Identification |
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| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Tropical Cyclone

| Tropical Cyclone | |
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| **Context Description** | A Category 3 Hurricane hits Volusia County from the Atlantic Ocean, affecting a large portion of the county with wind damage. An estimated 60% of the parcels within the 111-115 Wind Zone are affected, while 25% of the parcels within the 106-110 Wind Zone and 10% of the parcels within the 105-110 Wind Zone are affected. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience, Economic Recovery, Environmental Response, Health and Social Services, Housing, Infrastructure Systems, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/Rescue, Natural and Cultural Resources, On-Scene Security/Protection, Operational Communication/ Coordination, Planning, Public/Private Services, Health/Medical Service, Public Info/Warning, Risk Resilience Management, Risk Management Programs, Situational Assessment, Threat/Hazard Identification |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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## Wildland Fire

| Wildland Fire | |
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| **Context Description** | A wildfire spawns and spreads within a 'Very High Risk' area within Volusia County. The fire spreads, and as a result, 1% of the parcels within the 'Very High Risk' zone are affected, 0.5% of the parcels within the 'High Risk' zone are affected, 0.25% of the parcels within the 'Low Risk' zone are affected, and 0.1% of the parcels within the 'No Risk' or 'None' zone are affected. The fire affects parcels uniformly across hazard zones. |
| | |
| **Core Capability** | |
| **Capability Target** | Community Resilience, Economic Recovery, Environmental Response, Health and Social Services, Housing, Infrastructure Systems, Long Term Vulnerability Reduction, Mass Care Services, Mass Search/Rescue, Natural and Cultural Resources, On-Scene Security/ Protection, Operational Communication/ Coordination, Planning, Public/Private Services, Health/Medical Service, Public Info/Warning, Risk Resilience Management, Risk Management Programs, Situational Assessment, Threat/Hazard Identification; Prescribed Burns |
| | |
| **Resource Requirement** | |
| **Resources** | **Number Required** |
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# Volusia County Integrated Floodplain Management Plan

## I. ACKNOWLEDGEMENTS

The East Central Florida Regional Planning Council would like to thank the Volusia Prepares Working Group for their participation in the preparation of this plan. The following jurisdictions were instrumental in the completion of this plan: Volusia County, Daytona Beach, Daytona Beach Shores, Debary, DeLand, Deltona, Edgewater, Holly Hill, Lake Helen, New Smyrna Beach, Oak Hill, Orange City, Ormond Beach, Pierson, Ponce Inlet, Port Orange, and South Daytona. Thank you to the Volusia County Division of Emergency Management for assisting in the plan development and coordination necessary for its success.

## II. INTRODUCTION

The National Flood Insurance Program (NFIP) provides federally supported flood insurance in communities that regulate development in floodplains. The Community Rating System (CRS) grades the various Community Floodplain Management Programs and reduces flood insurance premiums in those communities that meet certain requirements. In order to reduce the potential for personal/property losses in flood prone areas and ensure the lowest possible flood insurance premiums for our residents, Volusia County and the jurisdictions of Daytona Beach, Daytona Beach Shores, Debary, Deland, Deltona, Edgewater, Holly Hill, New Smyrna Beach, Oak Hill, Orange City, Ormond Beach, Pierson, Ponce Inlet, Port Orange and South Daytona have developed this Floodplain Management Plan (FMP) which includes specific jurisdictional plans. The Plan was developed and is updated with input from the Volusia County Volusia Prepares Working Group. In 2013, the Volusia Prepares Steering Committee voted unanimously to incorporate the Plan into the Local Mitigation Strategy.

Activity section 510 of the CRS Coordinator's Manual requires an annual update of the Plan's implementation to be made available to the local governing body (distributed electronically), the community, and the media. Copies of this plan are available for review at the Volusia County Emergency Management Division, 386-258-4088 or downloading a copy from the County's website, https://www.volusia.org/services/emergency-services/emergency-management/.

## III. BACKGROUND

This Floodplain Management Plan was developed by the East Central Florida Regional Planning Council for Volusia County and the jurisdictions within. The plan is designed to encompass a snapshot of floodplain hazards throughout the county and also provide separate jurisdictional plans developed as the appendices of the main plan. This design promotes a unified approach to mitigation and planning efforts and consistency across the county. As part of the planning process, this plan was integrated with the Volusia County Local Mitigation Strategy document (LMS). The LMS provides in-depth analysis of hazards and mitigation strategies. Various sections of the LMS have been identified throughout this Floodplain Management Plan in order to provide additional information for projects and analysis. The Volusia County Floodplain Management Plan follows the format and outline of the Community Rating System guidance.

## IV. PLANNING PROCESS

### A. Prepare the Plan

The 2025 Volusia County Floodplain Management Plan update was prepared by the East Central Florida Regional Planning Council (ECFRPC), a community planning office, in conjunction with the Volusia County Emergency Management Division, the Volusia County Growth and Resource Management Department and the jurisdictions within Volusia County. The planning team was staff from the ECFRPC and VCEM. The planning committee consisted of the Volusia Prepares LMS Working Group, Volusia County Growth and Resource Management, County CRS Coordinator, Floodplain Managers, and additional jurisdictional staff responsible for the implementation of floodplain management strategies, State Mitigation Officers and the Florida Division of Emergency Management. The planning process and committee were supported by the jurisdictional commissions, and the names of the planning team members (Volusia Prepares) are included below. These individuals acted as liaisons between the planning team (VCEM and ECFRPC) and city commissioners for support and adoption of the plan. Members were included in the beginning of the planning process via the Volusia Prepares meetings and were provided copies of the draft plan for comment before final plan adoption.

The following list are the members of the Volusia Prepares Working Group and supported the development of this plan.

- Justin Barton, Daytona Beach
- Angie Sehenuk, Daytona Beach
- Lori Irwin, Daytona Beach Shores
- Amy Long, DeBary
- David Hamstra, DeBary
- Mike Grebosz, DeLand
- Kieu Moses, DeLand
- Jonathan Jacob, DeLand
- Sue Houle, Deltona
- Bill Snyder, Deltona
- Tyna Lynn Hilton, Edgewater Sandy Camp, Edgewater
- Jeff Miller, Holly Hill
- Steve Juengst, Holly Hill
- Jim Gleason, Lake Helen
- David Hamstra, New Smyrna Beach
- Kyle Fegley, New Smyrna Beach
- Mark Bell, Oak Hill
- John Peters, Orange City
- Joseph Ruiz, Orange City
- Ronnie Long, Orange City
- Loretta Moisio, Ormond Beach
- Robin Gawel, Ormond Beach
- Yvonne Braddock, Pierson
- Hank Baker, Ponce Inlet
- Ami Pierce, Ponce Inlet
- Valerie Duhl, Port Orange
- Marget Tomlinson, Port Orange
- Becky Witte, South Daytona
- James Gillis Jr, South Daytona

- Josh McEnany, South Daytona
- Jessica Fentress, Volusia County Coastal Division
- Niles Cyzycki, Volusia County Coastal Division
- Corry Brown, Volusia County Community Assistance
- Aubrie Austin, Volusia County Emergency Management
- Yolanda Buckles, Volusia County Emergency Management
- Suzie Darby, Volusia County Emergency Services
- Samantha West, Volusia County Environmental Management
- Jeff Alberts, Volusia County Fire Services
- Nancy Church, Volusia County GIS
- Tim MacHardy, Volusia County Mosquito Control
- Jill Hemmerlein, Volusia County Planning & Development Services
- Arden Fontaine, Volusia County Public Works David Linkinhoker, Volusia County Recovery and Resiliency
- Chris William, Volusia County Recovery and Resiliency
- Ron Young, Volusia County School Board
- Michael Ulrich, Volusia County Water Resources and Utilities
- Michael Poinatowski, Advent Health
- Pat White, Aptim
- Karen Feaster, Daytona Beach International Airport
- McKenna Korzeniewski, East Central Florida Regional Planning Council
- Michelle Cechowski, East Central Florida Regional Planning Council
- Austin Beeghly, FDEM
- Elizabeth Caison, FDEM
- Stephen Civitelli, Florida Health Department – Volusia
- Cammie Dewey, St. Johns River WMD
- Jim Cannon, St. Johns River WMD
- Jim Peterson, St. Johns River WMD
- Mike McMunigle, St. Johns River WMD

Several planning committee meetings were held throughout the process. Due to the limited time frame to prepare the planning document, meetings focused on multiple steps of the process. The table below lists the planning team meeting dates, locations and focus areas of each meeting.

| Meeting Name & Attendees | Date | Location | Focus Areas |
|---|---|---|---|
| Kick Off Meeting (ECFRPC, County Departments and Divisions) | March 2024 | Volusia County EOC | Project Budget, Plan and Overview, Planning Process, Planning Team |
| Planning Meeting (ECFRPC, County Departments and Divisions) | June 2024 | Volusia County EOC | Volusia Prepares Meeting, Data Collection, Hazard Analysis |
| Public Kickoff Engagement Meeting | September 2024 | Volusia County EOC | Goals and Objectives, Project Priorities |
| Public Engagement | November 2024 | Daytona and DeLand Public Libraries | Volusia Prepares Members, Action Plan, Draft Plan, Surveys, Public Meetings |
| Final Planning Meeting | December 2024 | Volusia County EOC | Jurisdictional Profiles, Plan Adoption, Final Updates |

*Table 1: Planning meetings*

## B. Involve the Public

As part of the planning process, numerous efforts to engage the public were implemented. The ECFRPC developed a survey that was reviewed by the planning committee and allowed the committee to provide comments prior to public release. The public survey was created using Survey123 and a link and QR code were provided to all jurisdictions for release in newsletters, utility/water bills, and through websites, and social media. Additionally, the survey was made accessible at the public meetings. There were 136 responses in the floodplain management public survey for homeowners. Not all questions were mandatory in the survey; thus, not all percentages total to 100% as some participants skipped questions. This section lists the key findings. See Appendix B for full results.

**Key findings from the public survey are as follows:**

- 50.74% of respondents have lived in their current residence for over 10 years, 27.21% for 5 to 10 years, and 22.06% at less than 5 years.
- Approximately 25% of respondents indicated their home was built prior to 1987. 42.65% of respondents' homes were built between 1987 and 2001. 6,62% answered between 2002 and 2012, while 9.56% of participants home were built after 2012. 11.76% are unsure.
- 15.44% responded that they are not concerned about the possibility of their home flooding, 22.06% are somewhat concerned, and 61.03% are very concerned about the possibility of their home being flooded.
- 33.82% of respondents noted that their homes are located within a floodplain, 40.44% are located outside a floodplain, and 25% are unsure if their home is located within a designated floodplain.
- Of the 34% of respondents knowing within the floodplain, 20 are in Zone AE, 1 is in Zone A1-A30, 0 are in Zone AH. However, 61 respondents are unsure of their zone classification.
- Nearly 56.6% of respondents indicated that their home, to their knowledge, has never flooded due to natural causes.
- Of the of respondents indicating their home had flooded due to natural causes, 9.56% noted that the last flooding occurred between 2000 and 2009 (this would include the 2004

Hurricanes and TS Fay). 4.4% flooded in 2017. 38.97% flooded in 2022 (this would include Hurricanes Ian and Nicole). 25% flooded in 2024 (this would include Hurricanes Helene and Milton).

- 27.21% of those respondents who have experienced flooding in their homes noted that the flooding was less than 1 foot in depth, 9.56% experienced between 1 and 2 feet of water 3.68% experienced between 2 and 3 feet.
- The cost of structural damages associated with this flooding was varied; 5.88% noted less than $1,000; 18.38% noted between $1,000 and $50,000; 16.18% noted greater than $50,000; and 15.44% were unsure.
- The approximate dollar value of personal items lost was varied as well; 7.35% noted less than $1,000 in loss; 15.44% indicated between $1,000 and $9,999; 14.71% noted between $ 10,000 and $50,000. 5.88% noted greater than $50,000.
- 81.62% of total respondents have flood insurance; 7.35% do not.
- Of those without flood insurance, the majority (25 participants) stated that the main reason for not having flood insurance was that the property is outside the floodplain; 18 indicated that high cost is the main reason; 12 indicated that there was no perceived threat to their property; 8 indicated that they rent their home.
- Nearly 28.68% of respondents noted that flood mitigation efforts had been implemented on their property. 11% were unsure, while 55.88% did not have any mitigation efforts undertaken on their property.
- For those who have implemented mitigation efforts, the efforts included:
    - Built higher than 100-year floodplain (11 participants)
    - Elevated home/ first floor was parking or access only (5 participants)
    - Landscaping/drainage improvements (40 participants)
    - Installed flood barriers (13 participants)
    - Other effort not listed (24 participants)
- 31.62% of respondents indicated that they have not considered implementing flood management strategies on their property. The main reason for the lack of implementation was the financial setback (50.74%). Other reasons include multi-family dwellings, not feeling like it would make an impact, time, perceived difficulty, permitting, and HOA restrictions.
- 15.44% or 21 of respondents indicated that their property is currently classified as a repetitive flood loss property. 56.35% indicated no. 24.26% are unsure.
- 48.53% of respondents have visited the Volusia County Floodplain website.
- 2% of respondents are very satisfied with jurisdictional efforts of public involvement and outreach as it concerns flood hazards; 7.5% are somewhat satisfied; 8.82% are somewhat dissatisfied; 60% are very dissatisfied, and 21.32% are unaware of public

involvement/outreach efforts.

The business community was engaged in the process through a survey created specifically for business owners. The link to this survey was made available to jurisdictions to release to the various Chambers of Commerce and other business-oriented agencies and groups within their community. The link was distributed through various websites at the beginning of the planning process, and through a final press release near the end of the planning process. This survey was also made available at the public meetings for any business owners in attendance. This survey received 6 responses during its collection period.

**Key findings from the business survey are as follows:**

- 33.33% of respondents have been in business at their current locations for over 20 years.
- 33.33% of buildings were constructed before 1987; 50% were constructed between 2002-2012.
- 50% of the respondents are “not concerned” about their business flooding and 33.33% are “very concerned” about the flooding possibility of streets accessing their business.
- While 16.67% of respondents indicated they are located within a designated flood hazard zone, 33.33% are unsure.
- Being located in a flood zone was not a concern in business location for 83.33% of respondents.
- 33.33% of respondents indicated that their place of business has flooded due to natural/environmental causes, but 66.67% of respondents noted an increase in frequency and duration of local flood events.
- 50% of respondents have flood insurance for their property.
- Those who have flooded the indicated impacts are: loss of business days, employees unable to work, profit loss, and property damage.
- Flood mitigation efforts consist of flood insurance, improved landscaping/drainage, and flood proofing.
- 33.33% of business respondents are very satisfied with public involvement and outreach efforts by local jurisdictions as related to floodplain management, while 33.33% of respondents are very dissatisfied with how their jurisdiction handles outreach concerning flood in their area.

In Volusia County, several Homeowner Associations are associated with developments within the 100-year floodplain. Another specialized survey was conducted and distributed to local HOA’s via email and through public meetings. During this time, 4 surveys were completed.

**Key findings from the HOA surveys are as follows:**

- 75% agreed that property owners are very concerned about flooding in their communities.
- 2 neighborhoods are in the floodplain, while 2 communities have no portion located within a floodplain.
- All respondents noted flooding occurred between 2017-2024.
- 3 communities indicated they flood during extreme rainfall events, and all four respondents noticed an increase in frequency and duration of roadway flooding.

Due to the size of Volusia County, it was determined the best way to reach the residents was to hold one meeting on the east side of the county (Daytona Beach) and one on the west side (DeLand). Additionally, the meetings were held at different times of the day to accommodate working residents. The meetings were held on November 25th and 26th, 2024. The meetings consisted of a presentation on the plan background and purpose, question and answer session, and an open house session. Pamphlets and QR codes were provided at the meeting for attendees to access the public survey and to visit the Volusia County website to determine whether a specific property is located within the floodplain. Public comments were recorded and brought back to the planning team for discussion and review.

Attempts to encourage public input to the planner or Floodplain Management Plan Committee included information distributed through the County's website and informational notices posted on webpages. Local television channels, including Spectrum 13, were provided with press releases of the FMP Public Survey to televise. Local news outlets advertised the November 2024 public meetings. Additionally, Volusia County Emergency Management's website houses links that provide flood and other natural hazard related information.

### C. Coordinate

Existing studies, reports, plans and other information were reviewed in the development of this plan. These documents include the Volusia County Local Mitigation Strategy, local Comprehensive Plans, Land Development Codes, Ordinances, and stormwater management plans. During the LMS update of 2024, individual plan updates were reviewed as well to ensure consistency and overlapping projects and priorities. **Table 2** illustrates the plans, reports, codes, and other documents within each jurisdiction. The results from Table 2 were collected through the jurisdictional representative that sits on the Volusia Prepares Working Group.

## APPENDIX H: VOLUSIA COUNTY INTEGRATED FLOODPLAIN MANGEMENT PLAN

The Volusia County LMS provides more information concerning each plan and its role in emergency management and floodplain management. This information can be found in Section 7: Capability Assessment of the LMS.

Additionally, this plan coordinated with Volusia County and its jurisdictions within to coordinate the plan's assessment and goals. While members of the public were invited to engage, various departments participated in this plan through the representation of the Volusia Prepares Working Group. Input was provided through a variety of government agencies including:

- Planning & Development Services
- Environmental Management
- Public Works
- Community Assistance
- Emergency Management
- Recovery & Resiliency

VCEM engaged community leaders from low-income and underserved communities to request input on the risks and hazards over the 5-year planning period. The survey was distributed to these partners as an approach to report local experiences of hazard events.

*Table 2: Relevant Plans, Ordinances, and Programs*

| Jurisdiction | Local Mitigation Strategy | Comprehensive Land Use Plan | Floodplain Management Plan* | Open Space Management Plan | Stormwater Management Plan | Natural Resource Protection Plan | Flood Response Plan | Emergency Operations Plan | Continuity of Operations Plan | Evacuation Plan | Disaster Recovery Plan | Economic Development Plan | Historic Preservation Plan | Flood Damage Prevention | Zoning Ordinance | Subdivision Ordinance | Unified Development Ordinance | Post-disaster Redevelopment /Reconstruction Ordinance | Building Code Effectiveness Grading Schedule (BCEGS) | Fire Code | National Flood Insurance Program | NFIP Community Rating System | Vulnerability Assessment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Daytona Beach | X | X | X | | X | | X | X | | X | X | X | X | X | X | X | X | X | | X | X | X | X |
| Daytona Beach Shores | X | X | X | | X | | | X | | | | | | X | X | | | | X | X | X | X | X |
| DeBary | X | X | X | X | X | X | X | X | X | | X | X | | X | X | X | | | | X | X | | |
| Deland | X | X | X | | X | | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | |
| Deltona | X | X | X | X | X | | X | X | X | X | X | X | X | X | X | | X | | | X | X | | |
| Edgewater | X | X | X | | X | | X | X | | X | | X | | X | X | | | | | X | X | X | |
| Holly Hill | X | X | X | | X | X | | X | X | X | X | X | | X | X | X | X | | | X | X | X | X |
| Lake Helen | X | X | X | | X | X | | X | | X | | | | X | X | X | X | | | X | X | | |
| New Smyrna Beach | X | X | X | X | X | X | X | X | | X | X | X | X | X | X | X | X | | X | X | X | X | |
| Oak Hill | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | |
| Orange City | X | X | X | X | X | X | | X | X | | | | X | X | X | X | | | | X | X | | X |
| Ormond Beach | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Pierson | X | X | X | | | | | X | | X | | | | X | X | X | | | | X | X | | |
| Ponce Inlet | X | X | X | X | X | X | X | X | X | X | X | | X | X | X | | | | X | X | X | X | X |
| Port Orange | X | X | X | | X | | | X | X | X | | X | | X | X | X | X | | X | X | X | X | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South Daytona | X | X | X | X | X | X | X | X | X | X | X | | | X | X | X | | | X | X | X | X | X |
| Volusia County | X | X | X | | | X | X | X | X | X | X | X | X | X | X | X | | | | X | X | X | X |

## APPENDIX H: VOLUSIA COUNTY INTEGRATED FLOODPLAIN MANGEMENT PLAN

The Planning Team reviewed plans from the County and all jurisdictions for information geared to assist in the data collection, analysis and overall development of this plan. While the Local Mitigation Strategy provided a great deal of information, individual Comprehensive Plans gave the planning team good insight into the policy-driven needs of these jurisdiction from a community resiliency and land use perspective. The datasets compiled from the Future Land Use element of each Comprehensive Plan within the County (city and county) were utilized to create a land-use based GIS analysis in the risk assessment portion of this report. Volusia County Emergency Operations Plan and Continuity of Operations Plans (COOP) were also reviewed by the Planning team to ensure the initiative and analyses included in this plan reflect the actual response mechanisms already in place in Volusia County. Of the plans listed above, another crucial piece of information from the jurisdictional level came from building codes and standards located within Land Development Codes.

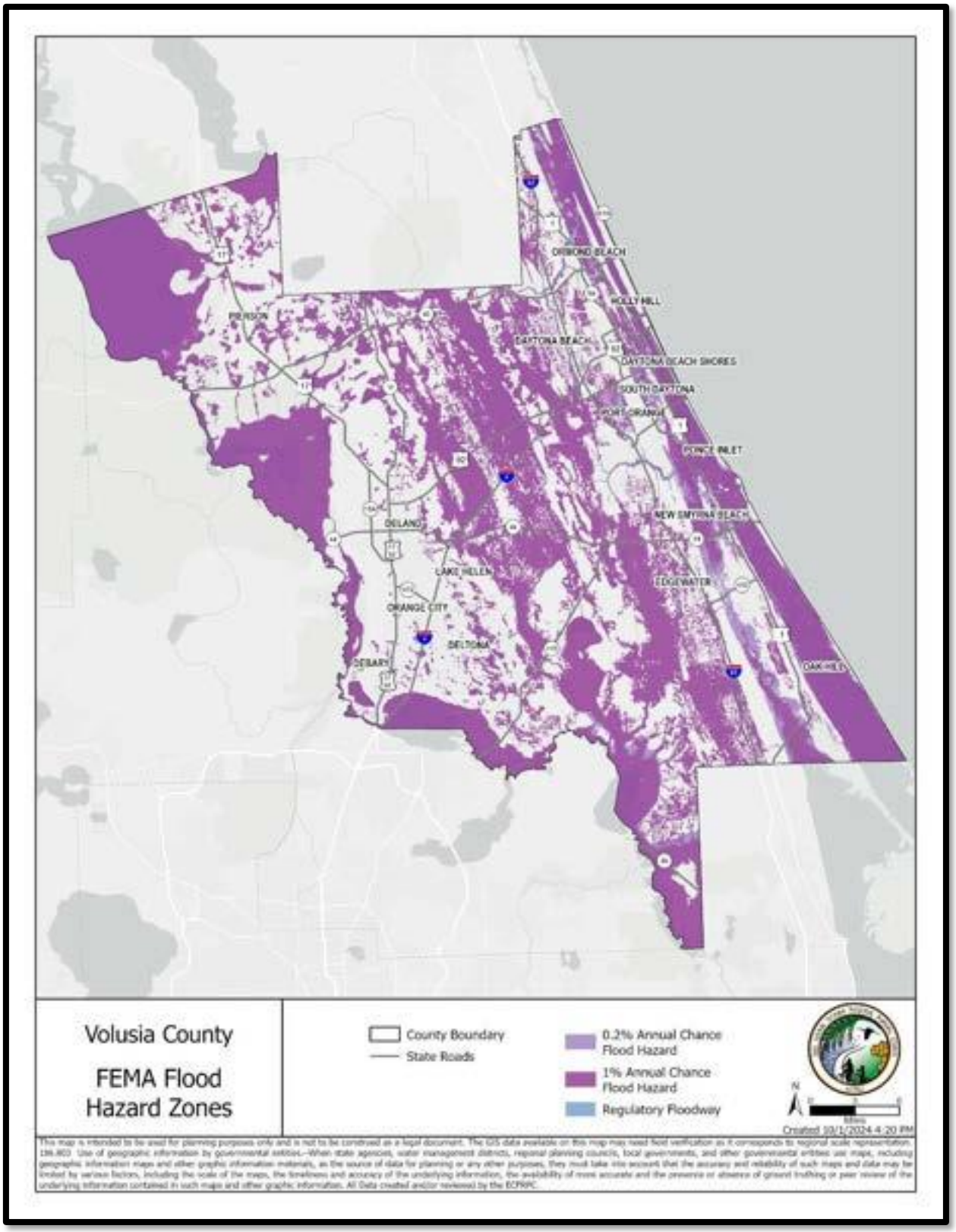
## D. Methodology

To analyze the change in the 100-year FEMA flood zone since the previously accepted FMP, the ECFRPC compared the total acreage of the 2017 flood zone (used in the 2020 analysis) to the acreage of the current 2024 flood zone. To understand where and how the extent of the 100- year flood zone had changed, the ECFRPC analyzed where the floodplain increased and decreased for each jurisdiction. Generalized repetitive loss areas were provided by Volusia County GIS and Emergency Management. Exposure of parcels and critical assets to the 100-year flood zone was assessed through an overlay analysis to identify locations in which the parcels and assets intersect with the floodplain. The acreage of overlapping areas was then calculated.

The principal tool utilized in assessing the hazard of storm surge is the Sea, Lake and Overland Surges from Hurricane (SLOSH) model. The computerized SLOSH model predicts the tidal surge heights that result from hypothetical hurricanes with selected various combinations of pressure, size, forward speed, track and winds. The SLOSH model, which is utilized locally for hazard and vulnerability analysis, has been digitized into the County's Geographical Information System (GIS) mapping system. For this analysis, the Maximum of the Maximum Envelope of Water (MOM) was utilized from the SLOSH Model provided from the National Hurricane Center.

The MOM provides a worst-case snapshot for a particular storm category under "perfect" storm conditions. Each MOM considers combinations of forward speed, trajectory, and initial tide level. These products are compiled when a SLOSH basin is developed or updated. No single hurricane will produce the regional flooding depicted in the MOMs. Instead, the product is intended to capture the worst-case high-water value at a particular location for hurricane evacuation planning. The MOMs are also used to develop the nation's evacuation zones.

## Figure 1: FEMA Flood Zones



# V. RISK ASSESSMENT

## A. Assessing the Hazards

### FLOODING

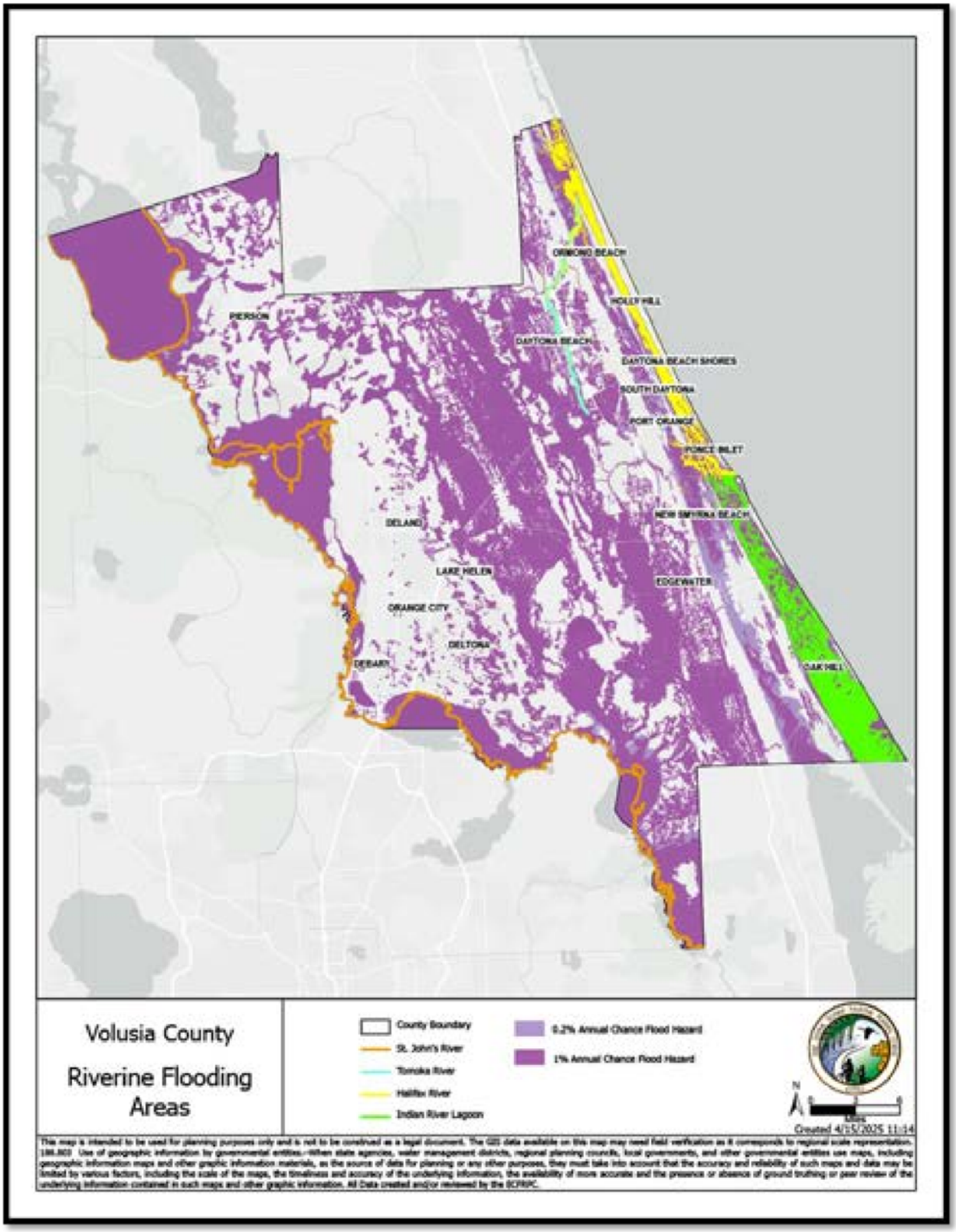
Volusia County encompasses approximately 1,210 square miles, including 50 miles of Atlantic coastline. Of this, 982 square miles fall within unincorporated areas, while 238 square miles are incorporated. The eastern portion of the county is characterized by the Halifax River and the Indian River North/Mosquito Lagoon, which together form the Intracoastal Waterway. These long, narrow estuaries separate the mainland from the barrier island. The Ponce de Leon Inlet, located near the center of the county's coastline, is the only natural tidal inlet, allowing for ocean water exchange and serving as a pathway for storm surge and tidal fluctuations into the Intracoastal Waterway.

Volusia County is highly susceptible to riverine, urban, and storm surge flooding as shown in **Figures 1 and 2**. Major waterways vulnerable to flooding include the St. Johns River, Halifax River, and Tomoka River, along with tributaries and creeks such as Thompson Creek and Laurel Creek in the Ormond Beach area. Additionally, low-lying inland areas in the northwest, north, southeast, and southwest are prone to flooding, which can impact evacuation routes if not properly elevated or designed for flood resilience.

The St. Johns River, the county's largest river, flows along the western boundary and presents a significant flooding threat. The Tomoka River, covering a 159-square-mile tributary area, serves the northeastern and central portions of the county. It flows south to north, ultimately discharging into the Tomoka Basin and Halifax River, both of which are susceptible to storm surge-related flooding.

Additionally, certain low-lying inland areas in the northwest, north, southeast and southwest are considered flood-prone areas. Many evacuation routes traverse the floodplain and if not mitigated properly (elevated, designed, etc.), could be prone to flooding.

## Figure 2: Riverine Flooding Areas



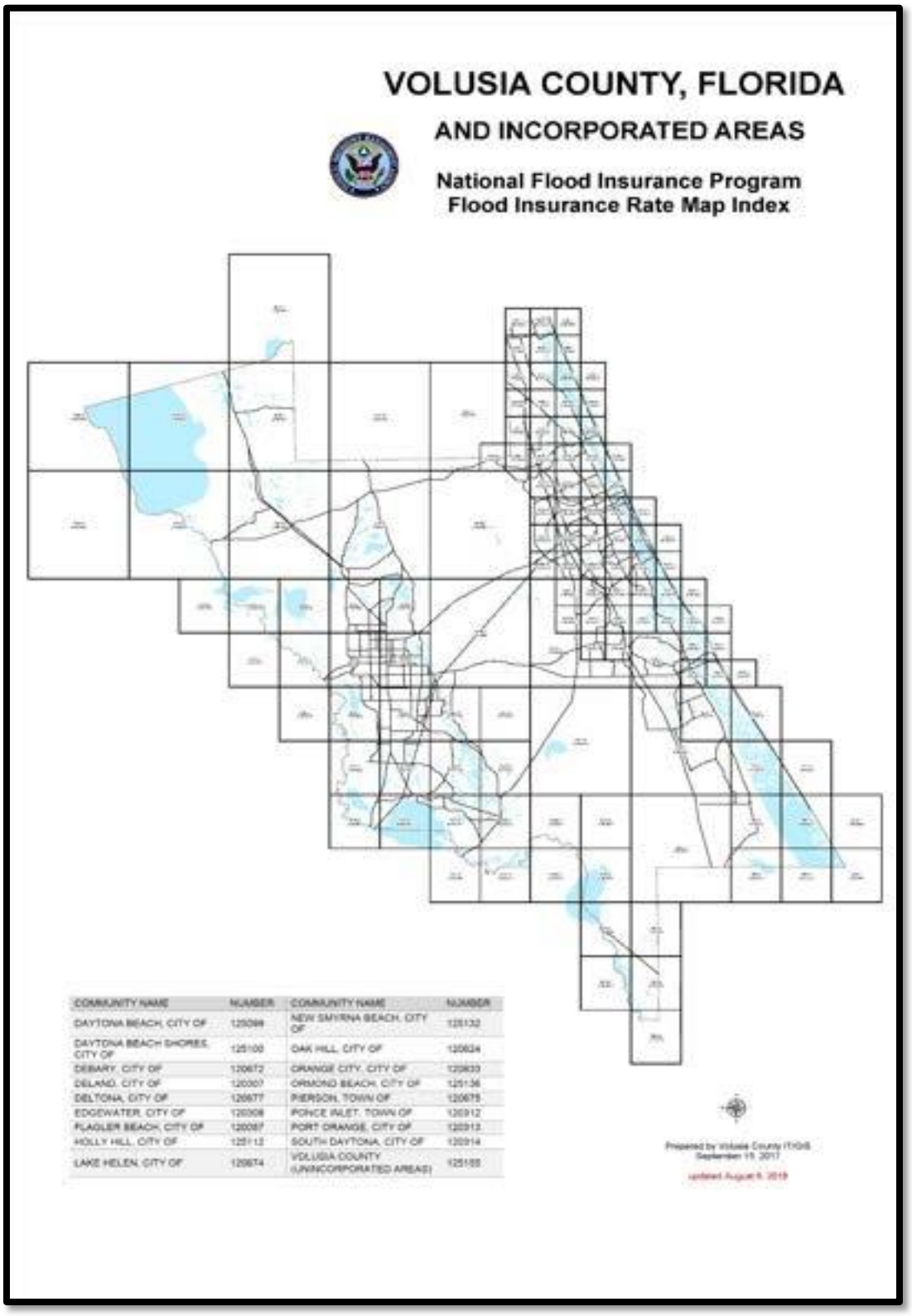
FEMA's Flood Insurance Rate Maps (FIRMs) are official maps used to identify flood hazards and assess flood risk. These maps are a key component of the National Flood Insurance Program (NFIP) and help communities, insurers, and property owners understand their flood risk and insurance requirements. **Figure 3** depicts the Volusia County most up-to-date FIRM flood zones throughout the County, last updated in 2018.

Areas vulnerable to flooding are higher when located within the floodplain, but all areas of Volusia County are susceptible to flooding. Flood-prone areas are primarily located within FEMA-designated floodplains, as detailed in the updated FIRMs for Volusia County, published in November 2023. While flood prone areas have shifted in the past five years, the FIRMs remain a standard to flood mitigation. These maps provide revised Base Flood Elevations (BFEs) from the Flood Insurance Study, which serve as key resources for flood risk assessment, infrastructure planning, and regulatory compliance. Tropical cyclone events remain the primary driver of severe flooding in Volusia County, producing both heavy rainfall and coastal storm surges.

Areas with the highest risk of flooding, known as Special Flood Hazard Areas (SFHAs), include Zone A, AE, AH, AO, and VE. According to FEMA, Special Flood Hazard Areas are **high**-risk areas. These zones have at least a 1% annual chance of flooding (commonly referred to as the 100-year floodplain), and properties with federally backed mortgages in these areas are required to carry flood insurance.

Non-Special Flood Hazard Areas are moderate-to-low risk areas. The risk of flooding is reduced, but not completely removed. FEMA identifies **Moderate**- to **low**-risk areas as zones beginning with the letters 'B', 'C' or 'X' (or a shaded X). Moderate-risk areas, such as Zone X (shaded), have a 0.2% annual chance of flooding (the 500-year floodplain), while Zone X (unshaded) represents areas with minimal flood risk. These areas submit more than 20 percent of National Flood Insurance Program claims and receive one-third of federal disaster assistance for flooding. FIRMs also highlight floodways, which are critical for water flow during flood events, where development is highly restricted.

**Figure 3: Latest FIRM Map for Volusia**



A key feature of FIRMs is the Base Flood Elevation (BFE), which indicates the estimated height of floodwater during a 100-year flood event. Properties built above the BFE are generally at lower risk and may qualify for lower insurance premiums. Because flood risks change over time due to factors such as development, climate change, and evolving hydrology, FEMA periodically updates FIRMs through Flood Risk Studies to ensure accurate assessments. The impact of FIRMs extends beyond flood insurance. Local governments use these maps to implement floodplain management regulations, ensuring that new development is built to withstand potential flood events. Homeowners and businesses rely on FIRMs to determine their flood risk and take necessary mitigation measures, such as elevating structures or purchasing flood insurance.

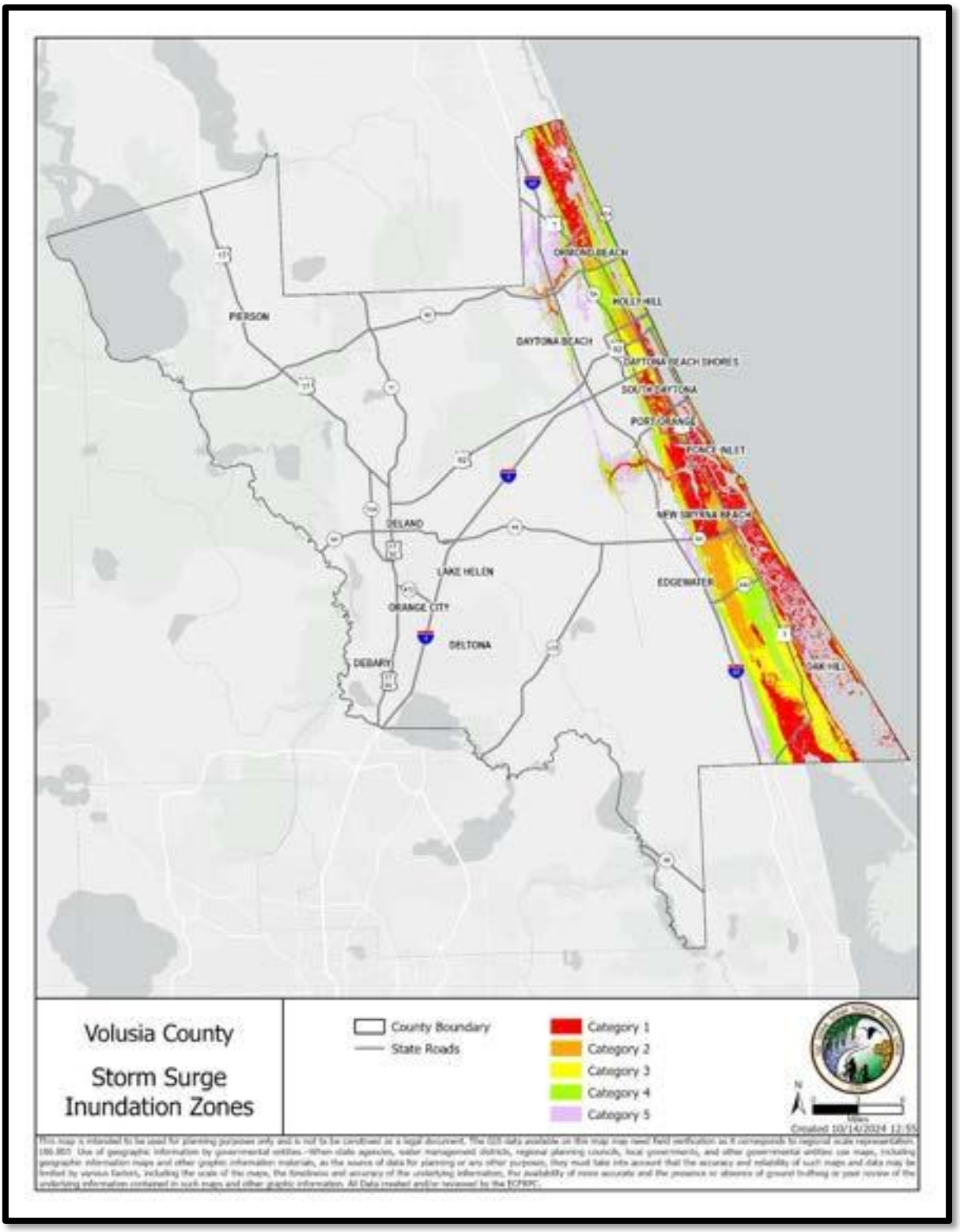
### STORM SURGE

Coastal flooding caused by tropical cyclones and unusually high tides combined with strong easterly or northeasterly winds also poses a continuing threat to the County. Storm surges produce much of the flood damage and loss of life associated with storms that make landfall or that closely approach a coastline. This hazard is historically the leading cause of hurricane related deaths in the United States. Storm surge and large battering waves can result in large loss of life and cause massive destruction along the coast. Storm surges can travel several miles inland, especially along bays, rivers, and estuaries.[1] **Figure 4** indicates communities susceptible to storm surge in Volusia County.

The principal tool utilized in assessing the hazard of storm surge is the Sea, Lake and Overland Surges from Hurricane (SLOSH) model. The computerized SLOSH model predicts the tidal surge heights that result from hypothetical hurricanes with selected various combinations of pressure, size, forward speed, track and winds. The SLOSH model, which is utilized locally for hazard and vulnerability analysis, has been digitized into the County's Geographical Information System (GIS) mapping system. Estimated storm surge heights range from two to four feet in a Category 1 storm to in excess of twenty feet in a Category 5 storm. For further information on the methodology, please see the methodology section of this report.

[1] https://www.weather.gov/safety/hurricane

**Figure 4: Storm Surge Inundation Zones in Volusia County**



### TROPICAL CYCLONES

Since 1965, Volusia County has experienced numerous federally declared disasters due to tropical cyclones, coastal flooding, and erosion. Riverine and storm surge-induced flooding frequently extends beyond FEMA-designated 100-year floodplains, affecting inland areas, levee-protected zones, and coastal erosion-prone locations. Long-term hazards such as sea level rise and tsunamis further contribute to flood risks outside traditional flood-prone areas. The most recent tsunami-type event occurred in Daytona Beach on July 3, 1992, injuring over 70 individuals. Mitigation strategies, including infrastructure improvements, shoreline protection, and resilient land-use planning, are essential to reducing future risk. Strategies such as smart growth initiatives and clustering development in non-vulnerable areas can significantly mitigate long-term exposure to flooding, storm surge, and erosion. Volusia County has endured severe flooding and storm surge impacts from multiple significant storm events:

- 2004 Hurricanes Charley, Frances, and Jeanne brought extreme precipitation and storm surge flooding. Tidal waters rose 3 to 5 feet above the mean high tide, and Hurricane Frances alone delivered 13 inches of rainfall, leading to countywide inundation. Combined wind and flood damage exceeded $390 million.
- May 2009 "No-Name" Rain Event resulted in severe freshwater flooding, submerging properties under two feet of water on the county's east side.
- Tropical Storm Fay (2008) caused severe flooding in western Volusia County, with rainfall accumulations ranging from 3 to over 10 inches, leading to $13.5 million in damage.
- Hurricane Matthew (2016) tracked just offshore, generating storm surge, extensive wind damage, and widespread coastal and inland flooding.
- Hurricane Irma (2017) delivered excessive rainfall that compromised electrical infrastructure, inundated properties, and caused significant storm surge damage, including the destruction of a boardwalk near Ponce Inlet.

Since the last Flood Mitigation Plan (FMP) update in 2020, four hurricanes have significantly impacted Volusia County:

- Hurricane Ian (2022), downgraded to a tropical storm upon reaching the county, produced up to 22 inches of rainfall, setting historic precipitation records. Persistent onshore winds caused storm surges of 1 to 3 feet, resulting in moderate to severe beach erosion and infrastructure damage, particularly along the coastline.
- Hurricane Nicole (2022), making landfall just south of Volusia County as a Category 1 storm, generated 30-foot offshore seas and long-duration high surf, worsening beach erosion caused by Hurricane Ian. Extensive coastal structure failures were reported.
- Hurricane Helene (2024) impacted Volusia County on September 25–26, producing 0.5 to

1.5 inches of rain and wind gusts up to 55 mph.

- Hurricane Milton (2024) brought significantly more severe impacts, delivering 7 to 17 inches of rain and wind gusts reaching 99 mph near Ponce Inlet. Major flooding was reported along the St. Johns River at Astor and DeLand, with two direct and two indirect fatalities. Widespread damage included downed trees, power outages, and structural flooding affecting public, residential, and commercial properties. Throughout Hurricane Milton, Volusia County remained under multiple weather alerts, including tropical storm warnings, hurricane watches, tornado warnings, flood watches, and wind advisories. The cumulative effects of these storms underscore the county's ongoing vulnerability to tropical cyclone-driven flooding and the critical need for continued mitigation efforts to protect residents and infrastructure.

**Table 3** displays Emergency Operations Center (EOC) activations in Volusia County from the past three decades. These disasters resulted in widespread flooding and required a wide variety of resources to respond and recover.

**Figure 5** is from the 2021 Statewide Regional Evacuation Study Program: Regional Hazard Analysis developed for the east central Florida region by the ECFRPC and the Florida State Emergency Response Team. Through SLOSH Analysis, it was determined that a Category 1 storm surge will produce storm tide heights up to 6 feet. A category 5 storm will produce storm tide heights up to 26 feet. It should be noted again that these surge heights represent the maximum surge height recorded in the county from the storm tide analysis including inland and back-bay areas where the surge can be magnified depending upon storm parameters.

**Figure 5: Potential Storm Tide Heights by County (In feet above NAVD88)[2]**

(In feet above NAVD88)

| *Storm Strength | Brevard | Volusia |
|---|---|---|
| Category 1 | 5.7 | 5.7 |
| Category 2 | 9.6 | 9.5 |
| Category 3 | 15.8 | 14.3 |
| Category 4 | 20.8 | 22.8 |
| Category 5 | 25.9 | 25 |

*Based upon the category of storm on the Saffir-Simpson Hurricane Scale
** Surge heights represent the maximum values from selected SLOSH MOMs

[2] https://www.floridadisaster.org/dem/preparedness/regional-evacuation-studies/

### Table 3: Emergency Operations Center Activations Relating to Flooding in Volusia County

| Date of Event | Type of Event | Area of Event | Damage Estimate | Damage Estimates |
|---|---|---|---|---|
| | | | # of Parcels | Dollars |
| 11/17/1994 | T.S. Gordon | County-wide | 658 | $10,602,924.00 |
| 8/3/1995 | Hurricane Erin | Edgewater | 31 | $65,052.00 |
| 7/10/1996 | Hurricane Bertha | County-wide | N/A | N/A |
| 9/5/1996 | Hurricane Fran | County-wide | N/A | N/A |
| 10/8/1996 | T.S. Josephine | County-wide | 193 | $1,232,343.00 |
| 9/14/1999 | Hurricane Floyd | East Side | 433 | $18,655,353.00 |
| 10/16/1999 | Hurricane Irene | East Side | 185 | $16,809,266.00 |
| 9/16/2000 | Hurricane Gordon | County-wide | N/A | N/A |
| 9/14/2001 | T.S. Gabrielle | County-wide | 44 | $474,135.00 |
| 11/15/2001 | Rain Event | East Volusia | 39 | $561,300.00 |
| 9/4/2002 | T.S. Edouard | County-wide | N/A | N/A |
| 8/13/2004 | Hurricane Charley | County-wide | 5,719 | $106,900,000.00 |
| 9/4/2004 | Hurricane Frances | County-wide | 26,964 | $393,900,000.00 |
| 9/25/2004 | Hurricane Jeanne | County-wide | N/A | $59,500,000.00 |
| 9/8/2005 | T.S. Ophelia | County-wide | Beach | N/A |
| 10/23/2005 | Hurricane Wilma | County-wide | 3 | $752,000.00 |
| 8/29/2006 | T.S. Ernesto | County-wide | N/A | N/A |
| 8/18/2008 | T.S. Fay | County-wide | 240 | $13,580,016.00 |
| 5/17/2009 | May Rainstorm | County-wide | 1,654 | $69,516,703.00 |
| 10/7/2016 | Hurricane Matthew | County-wide | N/A | $442,509,779 |
| 9/11/2017 | Hurricane Irma | County-wide | 4,808 | $321,038,971 |
| 9/2/2019 | Hurricane Dorian | County-wide | N/A | $2,600,600 |
| 9/28/22 | Hurricane Ian | Countywide | 7,051 | $357,449,754 |
| 11/7/22 | Hurricane Nicole | Countywide | 615 | $495,385,828 |
| 10/10/24 | Hurricane Milton | Countywide | 5,102 | $267,508,457 |

### 500 YEAR FLOODS

A 500-year flood zone represents an area with a 0.2% annual chance of flooding, meaning that in any given year, there is a 1 in 500 probability of a significant flood event occurring. This does not imply that such a flood will occur precisely once every 500 years, but rather that over a long period, the probability remains consistent. The Federal Emergency Management Agency (FEMA) designates these zones as part of the Flood Insurance Rate Maps (FIRMs) to guide floodplain management, emergency planning, and insurance decisions.

In Volusia County, the 500-year flood zone is extensive, particularly concentrated along the eastern portion of the county and near major water systems such as the Halifax River and Tomoka River. These areas are highly susceptible to storm surge, tidal flooding, and extreme rainfall events that can overwhelm natural and engineered drainage systems. **Figure 6** depicts the FEMA 500-year flood hazard zone in Volusia County.

The 500-Year Flood Zone has a variety of implications:

- Increased Vulnerability to Extreme Events: While less frequent than 100-year flood events (which have a 1% annual chance), 500-year floods can still cause catastrophic damage, particularly when combined with hurricanes or tropical storms.
- Coastal and Inland Flooding Risks: Due to its proximity to the Atlantic Ocean, Intracoastal Waterway, and major rivers, Volusia County's low-lying areas in the 500-year floodplain are at risk from storm surge, rising sea levels, and heavy inland rainfall.
- Historical Flooding in the 500-Year Zone: Some of Volusia County’s most severe flood events, including those from Hurricanes Ian (2022), Nicole (2022), and Milton (2024), affected areas classified within the 500-year flood zone. These events highlight the need for enhanced flood mitigation efforts, as extreme flooding is becoming more frequent due to climate change and increased storm intensity.
- Infrastructure and Development Considerations: Roads, bridges, and evacuation routes passing through 500-year flood zones may become impassable during major flood events. Floodplain development regulations must consider elevated construction, resilient drainage systems, and strategic land-use planning to minimize future flood impacts.

As sea levels rise and extreme weather events become more intense, flood risk within the 500-year flood zone may increase beyond historical expectations. Volusia County's flood mitigation strategies—such as enhancing stormwater infrastructure, enforcing stricter building codes, and prioritizing resilient land-use planning—will be crucial in reducing long-term flood exposure in these vulnerable areas.

## Figure 6: FEMA 500 Year Flood

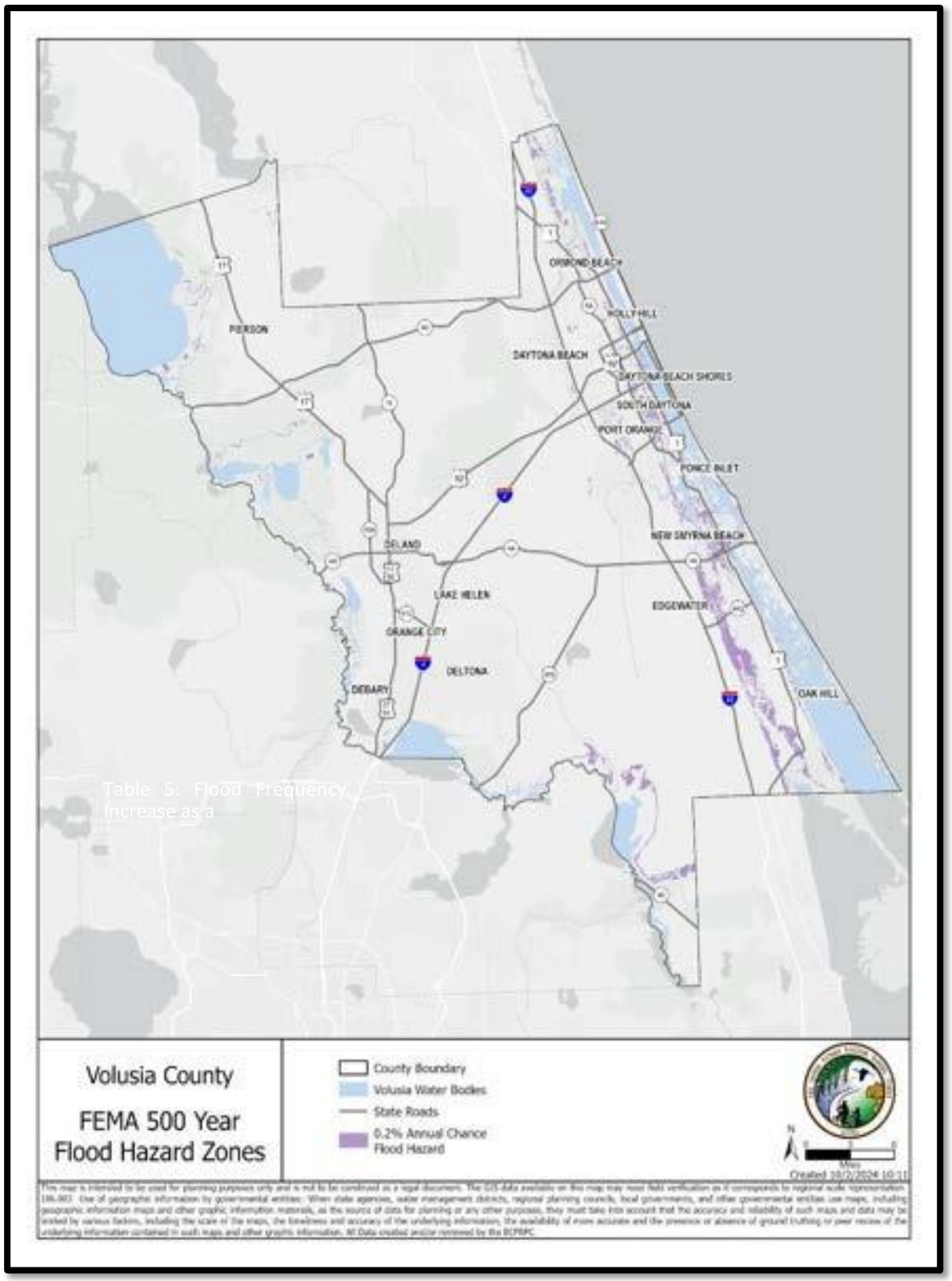



Table 5: Flood Frequency Increase as a

### SEA LEVEL RISE

Flooding and storms have become more frequent across Florida's coastal communities due to the changing climate and sea level rise. Mean elevation for the State of Florida is approximately 100 feet above sea level with the highest point registering at only 345 feet above sea level. In Volusia County, the highest natural point of elevation is 120 feet above sea level. Local governments and residents are starting to see the beginning impacts sea level rise combined with storms will have on their community. As sea level rise continues, it is becoming of critical importance to understand the potential vulnerability of inundation and flooding on communities and infrastructure, specifically those facilities located in low-lying coastal areas. The NOAA 2017 High/ECFRPC High Projection Rate Curve anticipates sea level rise along Daytona Beach Shores to be 8.48feet by 2100. This, along with a 100-year storm, could mean devastation to coastal communities if appropriate planning and action is not taken early enough.

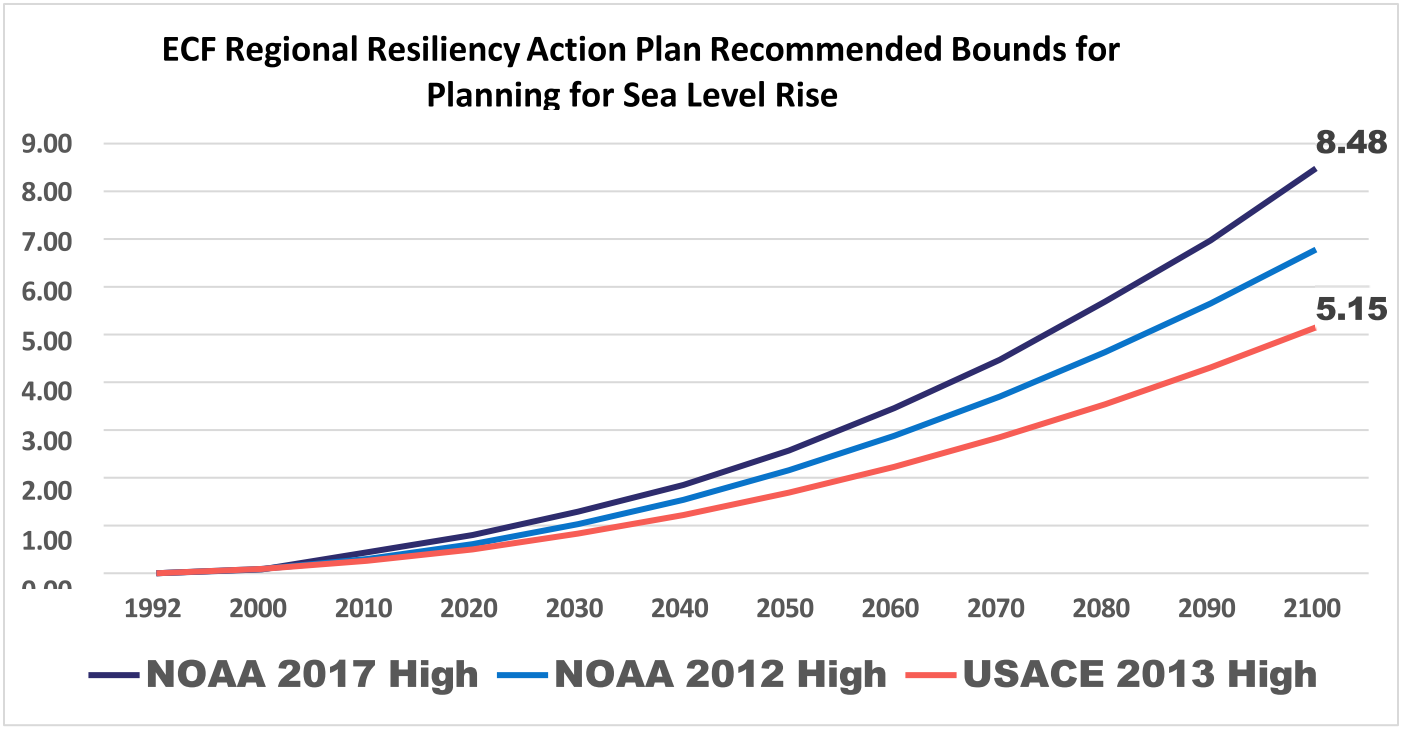



**Figure 7: Recommended range for sea level rise planning and includes the projected rise in sea level by decade based on the ECFRRAP.**

In 2017, the County worked with the East Central Florida Regional Planning Council, Florida Department of Transportation, the River to Sea Transportation Planning Organization, and University of Florida Geoplan to create Resilient Volusia County – Phase 1. This plan modeled impacts to critical assets from sea level rise combined with a 100-year coastal storm, using the FDOT Sea Level Scenario Sketch Planning Tool and FEMA's HAZUS-MH software. By taking a risk-based approach and identifying vulnerable facilities, agencies and jurisdictions can implement adaptation practices overtime that will protect these facilities and minimize impacts on the community.

The information, data and recommendations developed through these efforts has been made available to communities and agencies throughout Volusia County to aid them in the planning for future conditions related to flooding and sea level rise inundation.



Figure 8: The frequency of coastal flooding (pictured) is projected to increase with rises in sea levels.

In 2018, through extensive stakeholder input with Brevard and Volusia Counties, the ECFRPC and Volusia County Council adopted two scenarios for planning for sea level rise (NOAA 2017 High/ECFRPC High and USACE 2013 High/ECFRPC Low) through the East Central Florida Regional Resiliency Action Plan (ECFRRAP). The plan identifies that "no one projection rate curve should be used for planning purposes across all projects and programs. Instead, a range of rise should be considered based upon the vulnerability, allowable risk, and project service life and the forecast project "in-service" date of a facility or development."

The studies were built on through the County's 2024 Countywide Vulnerability Assessment, which identified impacts to local and regional critical assets within unincorporated Volusia County and all 16 municipalities. Critical assets, defined in section 380.093 F.S., includes four main categories - transportation assets and evacuation routes; critical infrastructure; critical community and emergency facilities; and natural, cultural, and historical resources. The exposure analysis was performed to identify the depth of water-based hazards – sea level rise and high tide flooding, and current and future storm surge. Sea-level rise projects used within the

exposure analysis includes the 2017 NOAA Intermediate-Low and Intermediate-High (required by 380.093 F.S.) and the ECFRRAP High and Low scenarios for 2040, 2070, and 2100. The sensitivity analysis determined the severity of impact to the critical asset through utilizing a hex grid and applying the Social Vulnerability Index, Regional Drivers of Vulnerability, population, present day flooding, and natural attributes. This methodology included future high tide flooding analysis with sea level rise, and was ran for each projection scenario. This updated Vulnerability Assessment provides a communitywide dataset of risk to identify needed capital improvement projects and enhance access to community lifelines for vulnerable populations.

## B. ASSESSING THE PROBLEM

### VULNERABILITY SUMMARY

Within the LMS there is a Hazard Risk Score for each jurisdiction as it concerns flooding and storm surge as per the Local Mitigation Strategy. Each hazard was scored by on the frequency, magnitude, warning time, and duration. Each hazard was given a score between one and five with five being the greatest. Additional hazard information can be found in the Volusia County Multi-Jurisdictional Local Mitigation Strategy (LMS), Section 5 Hazard Profiles.

The Flood Hazard analysis includes location and spatial extent of the hazard, historical occurrences and impacts, historical summary of insured flood losses, analysis of loss properties and probability of future occurrences.

### LIFE, SAFETY, AND HEALTH

Flooding along rivers and streams poses a significant threat to life, safety, and property, with the potential to cause injury and fatalities. Over the past 20 years, flood waters have become the leading cause of hurricane-related deaths. This shift is partly due to improved storm surge evacuation planning, which has reduced coastal drowning incidents in the U.S. since the early 2000s. However, inland flooding risks remain underrecognized, particularly among residents who underestimate flood dangers when driving.

To address this risk, the "Turn Around, Don’t Drown" program was implemented nationally in 2002 to educate the public about hazardous road conditions and the dangers of attempting to drive through floodwaters. While hurricane-related rainfall does not always necessitate immediate evacuation, delayed inland flooding can require post-storm evacuations as rivers and streams exceed capacity. Slow-moving storms exacerbate flooding, leading to widespread roadway inundation, making critical evacuation routes impassable.

#### *Evacuation and Infrastructure Preparedness*

Florida’s climate and seasonal weather patterns introduce additional flooding risks, as heavy rain preceding a hurricane can saturate the ground and flood roadways before the storm even arrives. To mitigate these risks, contingency planning efforts include:

- Route rerouting to bypass flooded roadways.
- Sandbagging and pumping operations coordinated with local and state agencies.
- Stormwater management improvements to limit standing water accumulation.
- Evacuation timing adjustments to ensure residents leave before road conditions deteriorate.

- With growing use of Electic Vehicles (EV), new considerations must be made to accommodate evacuations and public messaging.

### *Health Hazards from Floodwaters and Mold*

Floodwater poses serious public health risks, including exposure to contaminated water, bacteria, and mold. Standing water following major rain events creates an ideal environment for mold growth, which can lead to respiratory issues and long-term health complications. Volusia County Emergency Management will use social media, the County's Emergency Management app, local news stations, and emergency alert systems to warn residents of mold exposure risks in the aftermath of prolonged flooding. Additionally, effective stormwater management systems play a critical role in minimizing the presence of standing water on both public and private properties after storm events.

### *Impact of Hazards on Warning and Evacuation Procedures*

Timely and effective communication is essential during flood hazard events. The Volusia County Emergency Management X account (formerly known as Twitter) provides real-time updates before, during, and after flood emergencies. However, mass communication and power outages may disrupt normal information channels. In such cases, emergency communication will be facilitated through:

- Shelter staff and law enforcement personnel stationed in affected areas.
- Emergency Operations Center (EOC) protocols for alternative communication methods.
- Door-to-door alerts when necessary.

Additionally, strong winds and extreme weather conditions can delay emergency response efforts, emphasizing the need for advanced preparedness measures to ensure public safety during and after severe flooding events.

Volusia County, situated within the rapidly growing Central Florida region, has experienced significant population growth since the 1970s and continues to do so. Future development strategies should prioritize locations outside of flood-prone areas to reduce human exposure to flood risks. Key approaches include:

- Urban infill development to direct population growth away from high-risk floodplains.
- Increased density near transit to promote resilient land use.
- Low impact development, nature-based solutions, and green infrastructure.

## CRITICAL FACILITIES

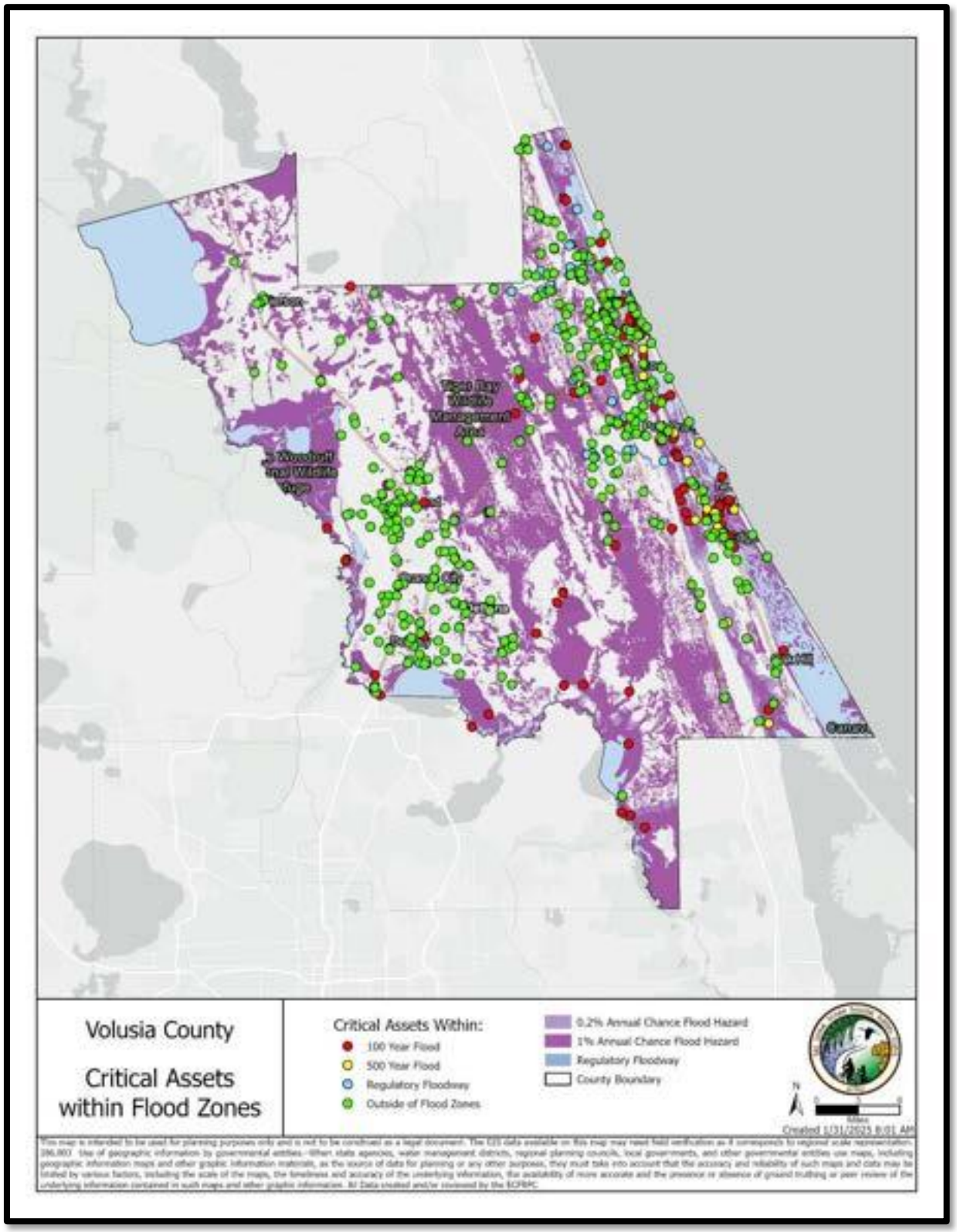
Flooding can have impacts on critical facilities and the ability to respond to emergencies. According to the Florida Division of Emergency Management, "critical facilities" are defined as those structures from which essential services and functions for victim survival, continuation of public safety actions, and disaster recovery are performed or provided. Shelters, emergency operation centers, public health, public drinking water, sewer and wastewater facilities are examples of critical facilities. Though not explicitly included in the definition, supporting life-line infrastructure essential to the mission of critical facilities must also be included in the inventory when appropriate. Although several western jurisdictions are low in elevation, a disproportionately high number of critical facilities that are exposed to the floodplain are within a short distance to the Atlantic Ocean or inter-coastal waterway on the east side of the county. Many of the exposed critical facilities countywide are located east of Interstate-95.

The inundation of critical facilities can have a profound effect on the ability for coordination among county and city planning officials and mitigation activities must provide guidance to avoid cascading losses from a critical infrastructure perspective.

**Figure 9** depicts the flood hazard zones and the locations of vulnerable critical facilities at the countywide scale. The critical infrastructure database was derived from FEMA's HAZUS database.[3]

[3] The assets used for analysis in the FMP come from the Department of Homeland Security's Homeland Infrastructure Foundation-Level Data: https://hifld-geoplatform.hub.arcgis.com/pages/hifld-open

**Figure 9: Critical Assets**



## ECONOMIC ANALYSIS

An analysis of all properties exposed to the 100-Year Floodplain in Volusia County revealed that approximately 75,943 properties are located partially or completely within the 100-Year Floodplain. The county's taxable value at risk is $16,338,193,216 based on the ECFRPC analysis.

The following data summarizes the exposure within the 100-Year flood zone.
**Land Value**: $ 10,267,673,027
**Building Value**: $17,620,771,558
**Total Value**: $ 27,888,444,586

**Table 4** displays the financial exposure within the 100-Year floodplain by jurisdiction.

### Table 4: Total Financial Exposure to 100-Year Floodplain

| Municipality | Properties in Floodplain | Land Value in Floodplain | Assessed Building Value in Floodplain | Total Value | County Taxable Value in Floodplain |
|---|---|---|---|---|---|
| Daytona Beach | 12,759 | $1,662,132,754 | $4,774,499,134 | $6,436,631,889 | $3,945,909,214 |
| Daytona Beach Shores | 502 | $156,928,856 | $278,560,434 | $435,489,290 | $372,475,948 |
| DeBary | 1,380 | $210,284,592 | $378,959,546 | $589,244,138 | $339,144,099 |
| DeLand | 369 | $74,530,425 | $160,357,535 | $234,887,960 | $120,198,104 |
| Deltona | 5,522 | $398,367,606 | $1,147,280,949 | $1,545,648,555 | $668,644,860 |
| Edgewater | 1,166 | $304,009,640 | $294,055,323 | $598,064,963 | $353,613,966 |
| Holly Hill | 2,594 | $164,159,638 | $462,844,277 | $627,003,915 | $417,408,075 |
| Lake Helen | 288 | $32,412,697 | $45,911,931 | $78,324,628 | $36,649,988 |
| New Smyrna Beach | 6,251 | $1,453,090,176 | $2,186,466,969 | $3,639,557,145 | $2,303,289,141 |
| Oak Hill | 633 | $126,767,625 | $92,622,181 | $219,389,806 | $116,199,911 |
| Orange City | 74 | $46,406,822 | $208,269,347 | $254,676,169 | $131,349,031 |
| Ormond Beach | 4,325 | $928,807,534 | $1,781,229,586 | $2,710,037,120 | $1,882,276,510 |
| Pierson | 163 | $18,748,996 | $18,966,907 | $37,715,903 | $17,576,761 |
| Ponce Inlet | 813 | $268,308,232 | $254,911,926 | $523,220,158 | $360,984,348 |
| Port Orange | 5,254 | $647,646,952 | $1,424,083,158 | $2,071,730,110 | $1,296,532,918 |

| | | | | | |
|---|---|---|---|---|---|
| South Daytona | 2,435 | $231,955,358 | $579,611,197 | $811,566,555 | $493,465,148 |
| Unincorporated | 31,415 | $3,543,115,124 | $3,532,141,158 | $7,075,256,282 | $3,482,475,194 |
| **Countywide** | **75,943** | **$10,267,673,027** | **$17,620,771,558** | **$27,888,444,586** | **$16,338,193,216** |

## FLOODPLAIN EXPANSION

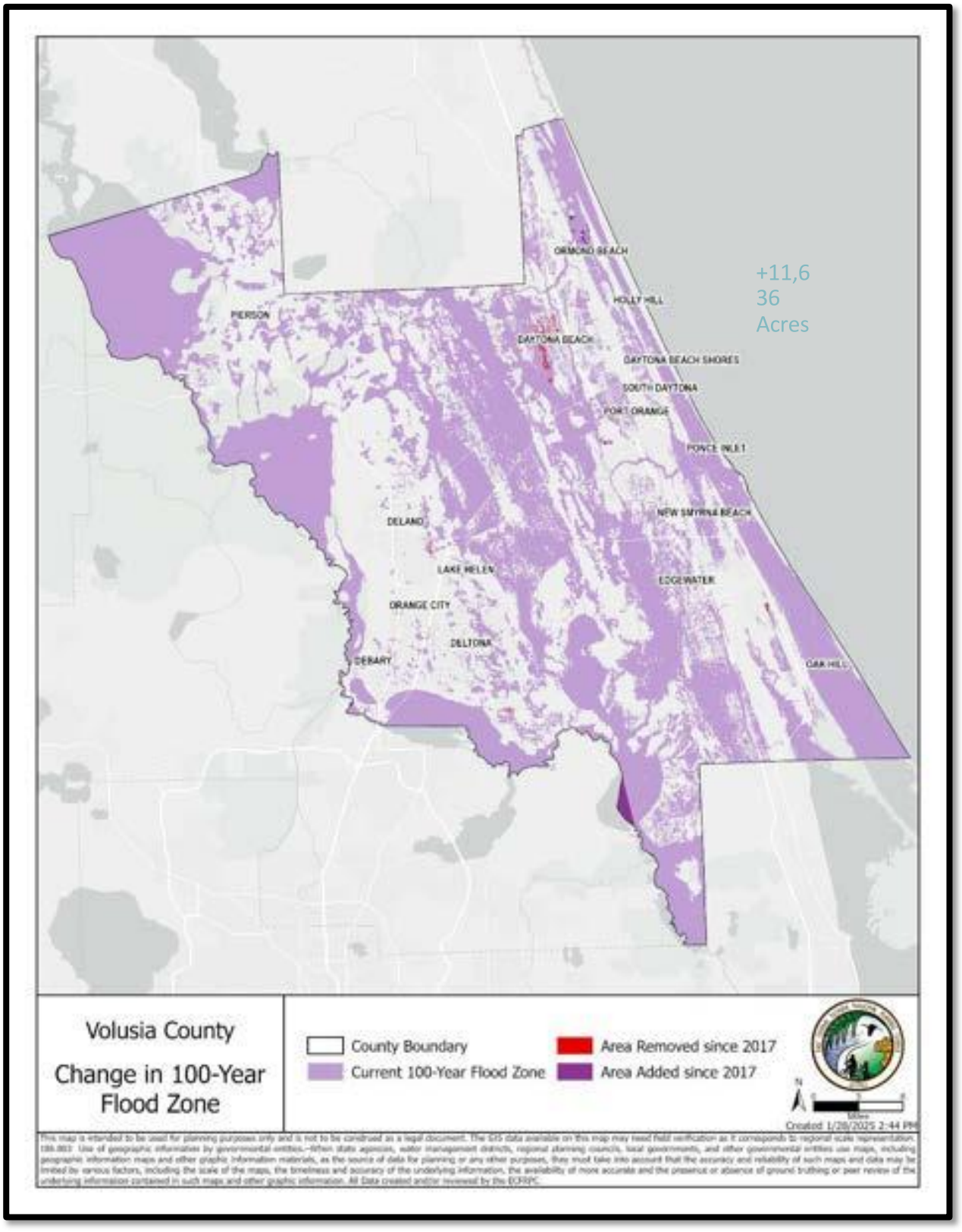
An analysis of the previous 100-year flood zones showed considerable change from 2017 to 2024. Newly exposed and removed areas can be viewed in **Figure 10**. The acreage added since 2017 is 2,219 acres; however, 8,336 acres have been removed from the floodplain.

The most expansion has occurred in the Daytona Beach, DeBary, Ormond Beach, and unincorporated Volusia areas by 191, 1308, 380, and 197 acres respectively. This floodplain growth increases financial liability within the county, as a number of the parcels in these areas are developed. The jurisdictions with the most acreage removed are Daytona Beach, Daytona Beach Shores, and unincorporated Volusia by 6429, 891, and 960 acres respectively.

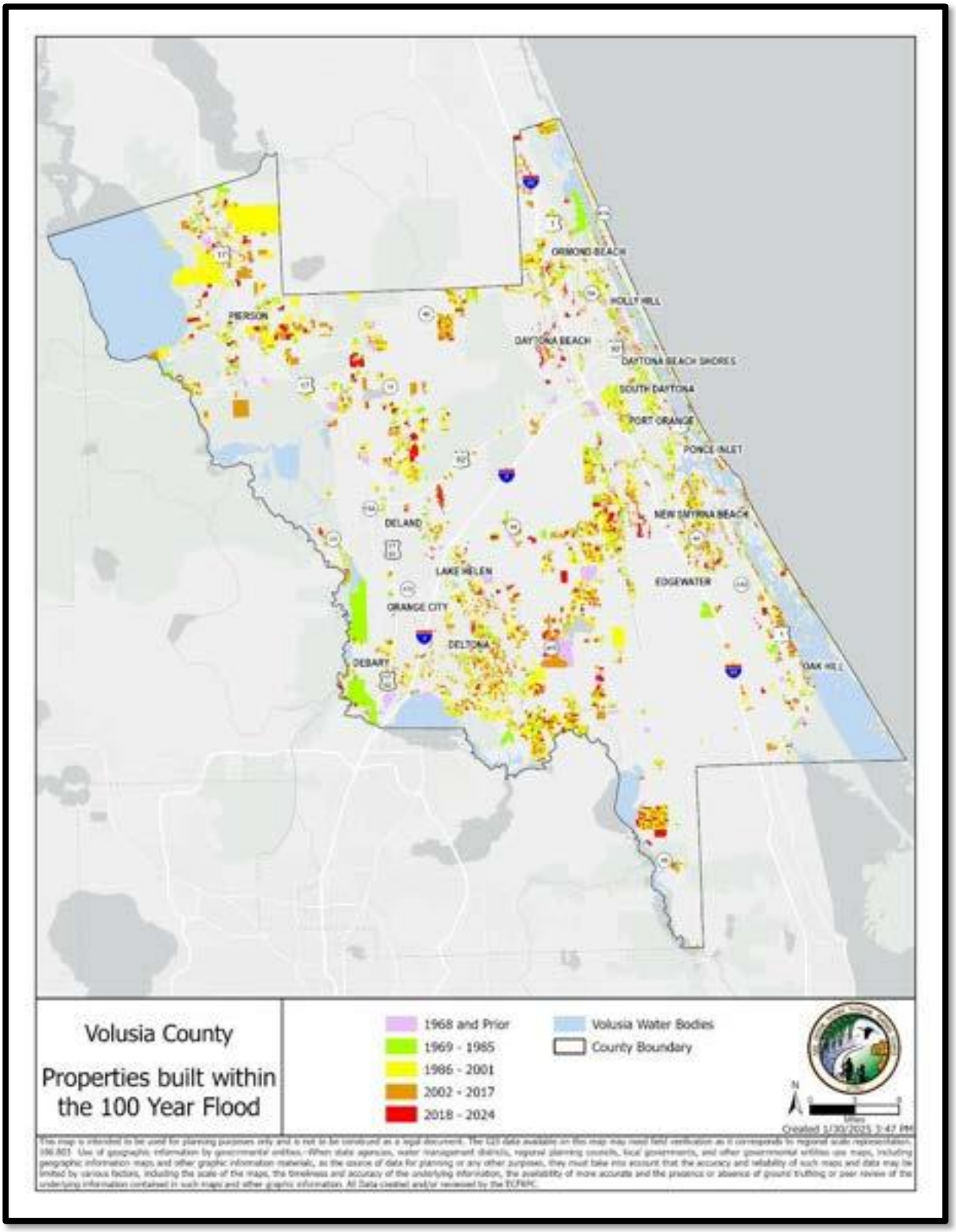
Volusia County is also susceptible to increases in the size of the 100-year Floodplain as a result of rising sea levels. This would primarily affect parcels near the coast, lagoon and inland rivers.

Floodplain Size Comparison
2007 DFIRM: Volusia County: 406,303 Acres
2017 DFIRM: Volusia County: 417,939 Acres (+2.9%)
2024: Volusia County: 411,383 (-1.6%)

**Figure 10: Change In The 100-Year FEMA Flood Zone Since 2017**



## Figure 11: Floodplain Growth



## PROPERTY ANALYSIS

An analysis of properties located totally, or in part, within the floodplain reveals countywide the percentage of properties in the floodplain. Jurisdictions such as New Smyrna Beach (54.72%), Oak Hill (48.5%), Ponce Inlet (52.47%), and South Daytona (79.74%) rank the highest percentage of properties within the floodplain; therefore, these jurisdictions are most susceptible to flooding. The year a property was built does alter flood risk because building code has included more requirements over time. **Table 5** breaks down the year built of all buildings within the 100 and 500-Year floodplain by jurisdiction. **Figure 11** displays the year that properties were built within the 100-year floodplain.

Key Dates Include:

The following dates are important from a building code perspective, as parcels built before or after these dates had different requirements at the time of construction.

1968

Federally backed flood insurance became available to all Americans.

1986

The County Stormwater Management ordinance was amended, enacting minimum design standards.

2002

The Florida building code went into effect.

### Table 5: Year Built of Structures in the 100 and 500-Year Floodplain

| Municipality | Number of Properties in Floodplain | Percentage of Properties in Floodplain | Built Prior to 1968 | Built 1969-1985 | Built 1986-2001 | Built 2002-2017 | Built 2018-2024 |
|---|---|---|---|---|---|---|---|
| Daytona Beach | 13,847 | 43.87% | 2,781 | 2,808 | 1,511 | 923 | 904 |
| Daytona Beach Shores | 507 | 38.53% | 89 | 155 | 45 | 50 | 5 |
| DeBary | 1,387 | 11.7% | 195 | 153 | 332 | 247 | 64 |
| DeLand | 369 | 2.11% | 2 | - | 18 | 71 | 67 |
| Deltona | 5,522 | 13.77% | 221 | 1,072 | 2,071 | 755 | 233 |
| Edgewater | 1,564 | 12.52% | 110 | 201 | 196 | 115 | 176 |
| Holly Hill | 3,160 | 57.93% | 866 | 647 | 212 | 184 | 61 |
| Lake Helen | 288 | 16.65% | 63 | 29 | 25 | 16 | 4 |
| New Smyrna Beach | 10,556 | 54.72% | 635 | 1,380 | 1,188 | 690 | 913 |
| Oak Hill | 891 | 48.5% | 37 | 134 | 86 | 113 | 48 |
| Orange City | 74 | 1.59% | 2 | - | 1 | 5 | 166 |
| Ormond Beach | 5,093 | 25.29% | 401 | 1,166 | 1,004 | 473 | 2 |
| Pierson | 163 | 12.72% | 28 | 21 | 13 | 6 | 25 |
| Ponce Inlet | 1,083 | 52.47% | 30 | 189 | 147 | 53 | 279 |
| Port Orange | 8,567 | 34.22% | 493 | 1,566 | 1,335 | 766 | 28 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| South Daytona | 4,311 | 79.74% | 652 | 994 | 382 | 83 | 900 |
| Unincorporated | 31, 415 | 38.45% | 1,596 | 3,474 | 3,083 | 2,010 | 3,875 |
| **Countywide** | | | **8,201** | **13,989** | **11,649** | **6,560** | **904** |

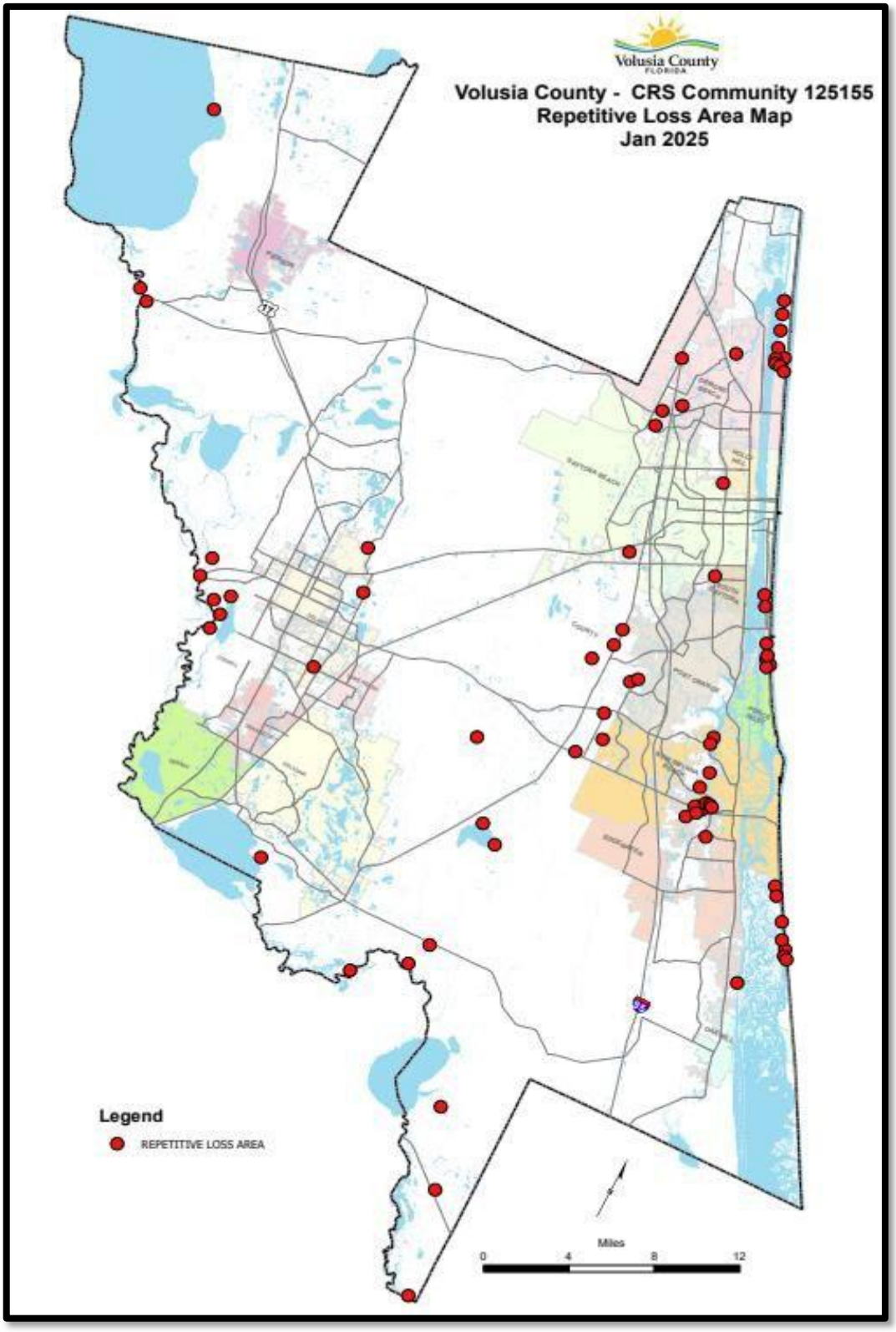
## REPETITIVE LOSS ANALYSIS

FEMA defines a repetitive loss (RL) property as any insurable building for which two or more claims of more than $1,000 were paid by the NFIP within any rolling 10-year period, since 1978. A repetitive loss property may or may not be currently insured by the NFIP.

There are repetitive loss properties within 13 of the 16 jurisdictions within Volusia County. This includes 1,280 properties in total. Countywide distribution of repetitive loss properties is somewhat weighted to the east, as a majority of the repetitive loss properties in the county are in Port Orange, South Daytona, and Daytona Beach. Each of these three jurisdictions has over 200 RL properties each. Unincorporated Volusia also has roughly 232 RL properties throughout. The western side of the county also has several repetitive loss properties, most notably the cluster within the Stone Island residential area in the southwestern portion of the county. Data collected showed that many properties have not undergone mitigation efforts; however, there is insufficient data to measure an actual percentage for the entire county. According to FEMA, the total building payments for these properties are approximately $182,712,911.

Because of the sensitivity with repetitive loss information, Volusia County and its jurisdictions have advised to omit the exact numbers of losses by land use, but many of these properties are residential. **Figure 12** displays the general location of RL properties as provided by Volusia County GIS.

**Figure 12: Repetitive Loss**



### *Mitigation Strategy for Repetitive Loss Properties*

The Volusia Prepares working group, mentioned previously in this plan, prioritizes mitigation projects among the county and all municipalities through the within Section 9 of the 2025-2030 LMS.

Of the many project types included in the Mitigation Action Plan is the mitigation of repetitive loss properties by raising the properties or through other measures. These properties are often mitigated with funds from the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program (HMGP). FDEM announced Florida's first statewide residential mitigation program, Elevate Florida. The goal of this program is to enhance community resilience by mitigating private residences against natural hazards. The main focus is to elevate, reconstruct, and/or acquire.

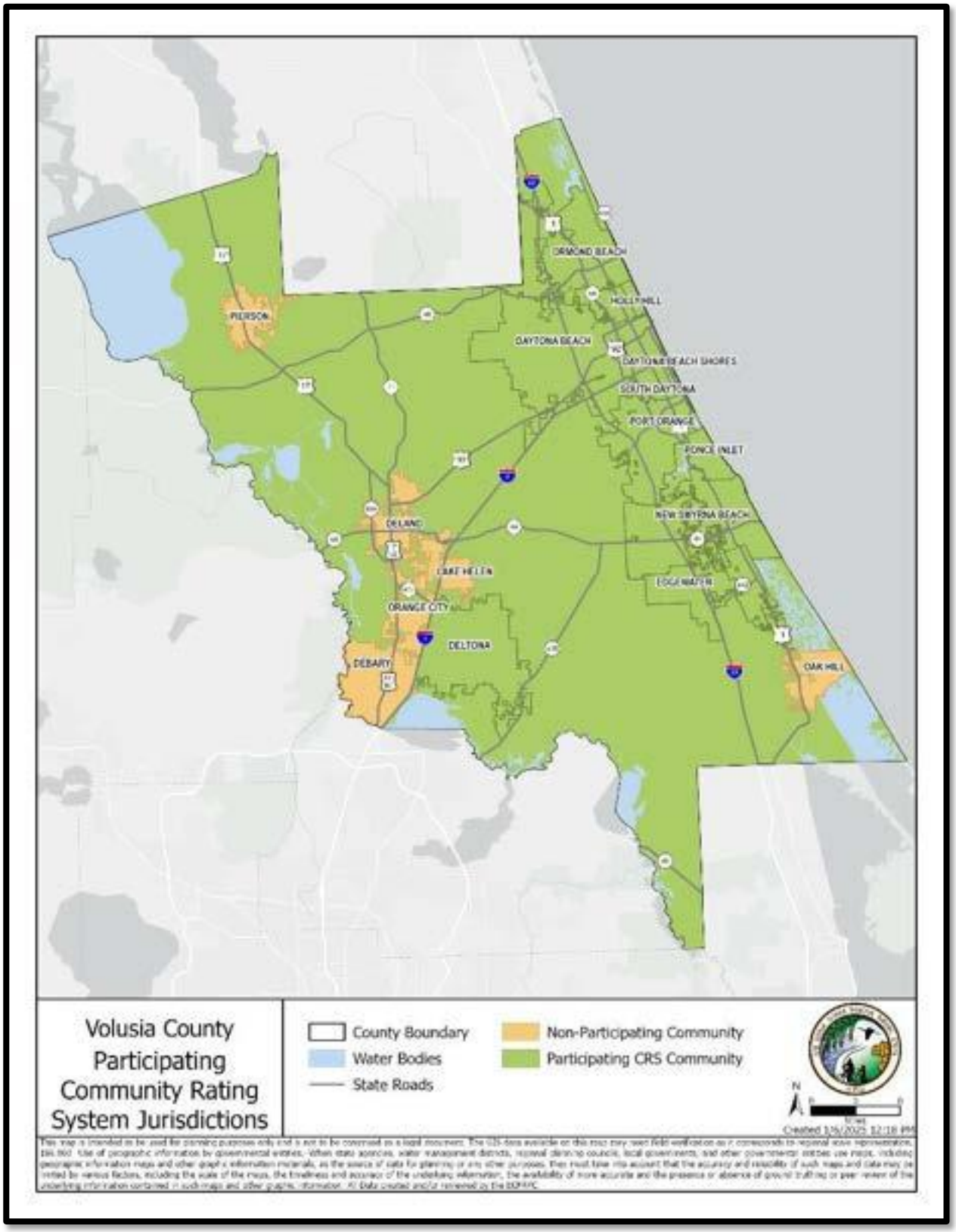
## FLOOD CLAIM ANALYSIS

All jurisdictions in Volusia County participate in the National Flood Insurance Program (NFIP) and eleven (11) participate in the Community Rating System (CRS) program as shown in **Figure 13**. The average savings per policy by the participating jurisdictions is $75 per policy and $2,164,580 for total community savings.

As of January 2025, the total number of policies in force with the NFIP throughout Volusia County is 47,874 according to FEMA. The mean discounted premium for the county is $655. The median total annual payment is $889. The total discounted premium is $23,172,513. The total annual payment is $31,143,950. The City of Daytona Beach has the most active policies at 8,537.

In Volusia County, significant NFIP claim payouts were made in 2022 and 2024. For those within flood zones A, B, V, X and unknown, the grand total of payouts in 2022 was $268,842,848. Whereas zones A, B, and X in 2024 had a total of $121,019, 328. In those two years alone, the grand total of NFIP claims was approximately $389,862,176.

**Figure 13: Participating Community Rating System Jurisdictions**



As the effects of climate change become more pronounced and frequent, insurance providers have become less willing to insure homes in hazardous areas. In Florida, Progressive alone has dropped coverage for nearly 100,000 homes[4]—most of which were in high-risk areas—and nearly one-third of Florida residents who lost their provider had intentions to move or already had.[5] In July 2024, the Louisiana state legislature repealed a law preventing insurance ACT NOW companies from canceling policies that had been in effect for at least three years. Insurers are seeing reduced profits or even losses in most states; the resulting rising costs have led some people to forgo home insurance altogether. Homeowners that never considered having flood insurance are being hit hard, as was the case for North Carolinians in September 2024 with Hurricane Helene in 2024. Both owners and developers of affordable multifamily properties that receive tax credits are also experiencing surging insurance premiums, which is disincentivizing new development. To mitigate industry impacts to homeowners, some regulators employ strategies such as mandating insurance industry transparency and forbidding "bluelining"—the increase in premiums or withdrawal of services in high-risk areas—by providers. The National Association of Insurance Commissioners PREPARE recently adopted a National Climate Resilience Strategy for Insurance to guide regulators and providers alike, and Florida has passed several laws aiming to reduce insurance premiums and provide mitigation grants to homeowners and multifamily properties.[6] Growth in "non-admitted" residential insurance policies is skyrocketing, though this lightly regulated sector lacks guaranty funds and major disasters could leave those policyholders without protection.

### NATURAL PROTECTION

The Volusia County Comprehensive Plan and jurisdictional comprehensive plans all include a conservation element which aims to prevent the degradation of water bodies, wetlands, rivers, estuaries and essential upland areas. Goals and policies in the conservation elements include the protection of surface water resources and the floodplains associated with the water sources, including limiting dwelling unit densities within the floodplains and flood-prone areas. The County works alongside the St. Johns Water Management District to approve development, evaluate freshwater resource capacity, and manage stormwater.

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[4] https://www.clickorlando.com/news/florida/2024/04/26/progressive-dropping-100000-home-insurance-policies-in-florida-here-are-the-details/

[5] https://www.news4jax.com/news/local/2024/04/18/1-in-3-floridians-who-get-dropped-by-their-homeowners-insurance-company-are-choosing-to-move-study/

[6] https://www.floridapeninsula.com/blog/florida-legislation-helping-to-reduce-runaway-home-

insurance-premium-costs

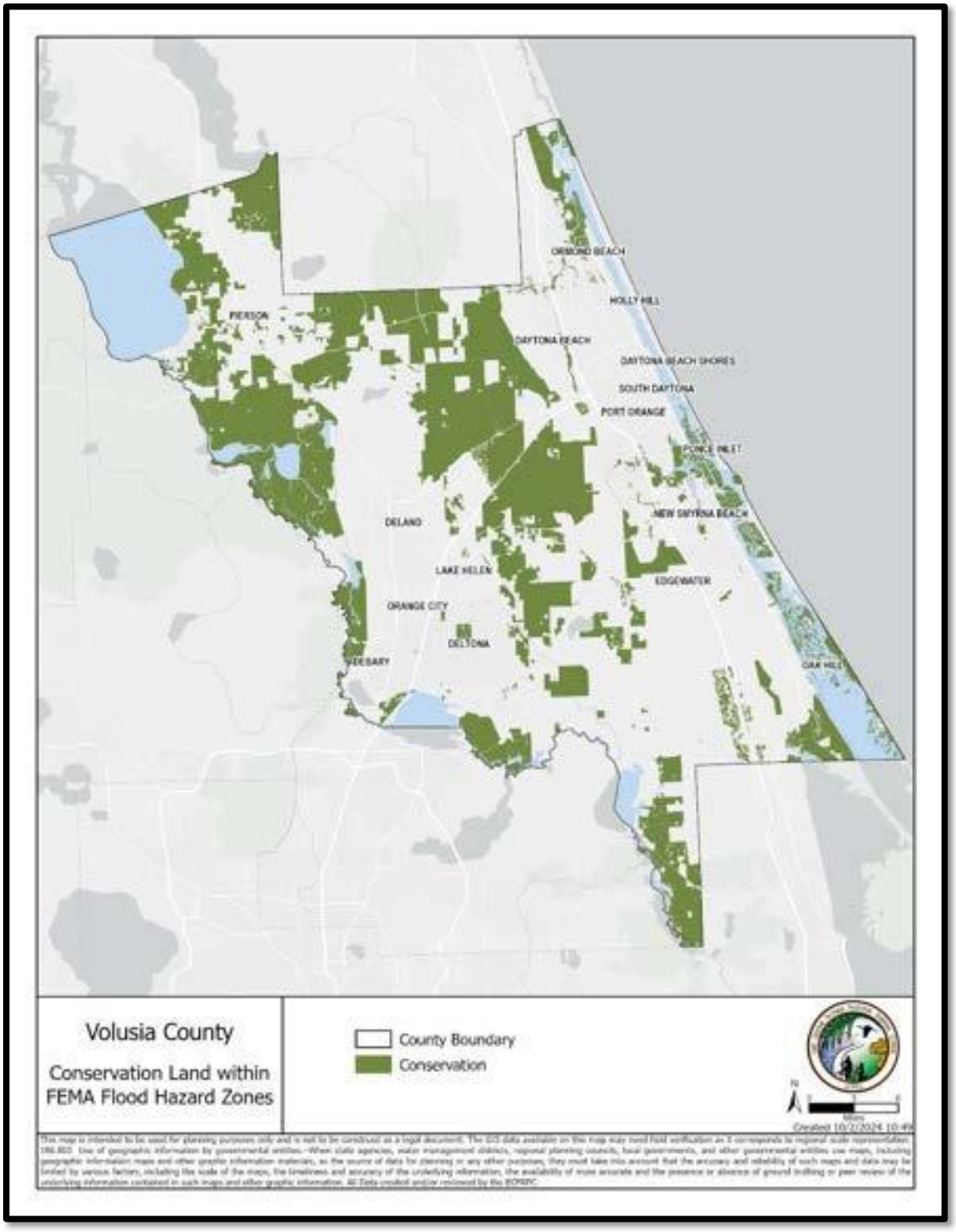
To this effect, the protection of undisturbed segments of floodplains associated with surface water bodies shall continue through land use controls, conservation easements, public acquisition and other methods. These and other policies in the Comprehensive Plans aim to protect and utilize physical and ecological functions of natural drainage ways and patterns to protect developed areas from flood impacts. Wetland and easements maintained along water bodies not only serve as flooding buffers to development but also provide habitat for various species which may otherwise be displaced through fill and development.

According to the analysis performed using GIS by the ECFRPC, there are 411,383.43 acres within the 100-Year floodplain countywide (**Figure 14**). Throughout the county there are 236.620.55 acres zoned as conservation. The acreage of the 100-Year flood zone which falls within conservation lands is 147,171.36.

35.77% of the 100-Year flood zone intersects with areas zoned as conservation; whereas 62.21% of conservation land falls within the 100-Year flood zone.

This would be inclusive of all types of conservation properties such as wetlands and other floodplain areas. It should be the goal of all jurisdictions within the County to maximize the amounts of undeveloped lands in the floodplain with a conservation future land use. This would ensure that development does not infringe into the floodplain.

## Figure 14: Conservation Lands in the Floodplain



## LAND USE AND TREND ANALYSIS

**Table 6** below summarizes the total allocation of Future Land Use Designations by acreage of all parcels exposed to the 100-Year and 500-Year Floodplain in Volusia County. Most of the exposed developed parcels are categorized as "Residential" with roughly 50,000 acres exposed. That is by far the highest-ranking future land use exposed to flood zones. The future land use designation with the second highest exposure is mixed use, with slightly over 9,000 acres exposed. As population and development continue to risk, mitigation techniques should be implemented to ensure residents' safety and wellbeing. **Figure 15** displays the future land uses in the floodplain.

### *Population and Development Trends*

According to the U.S. Census Bureau, Volusia County's population has seen an increase over the past few decades. This trend is expected to be maintained, with population growth expected.

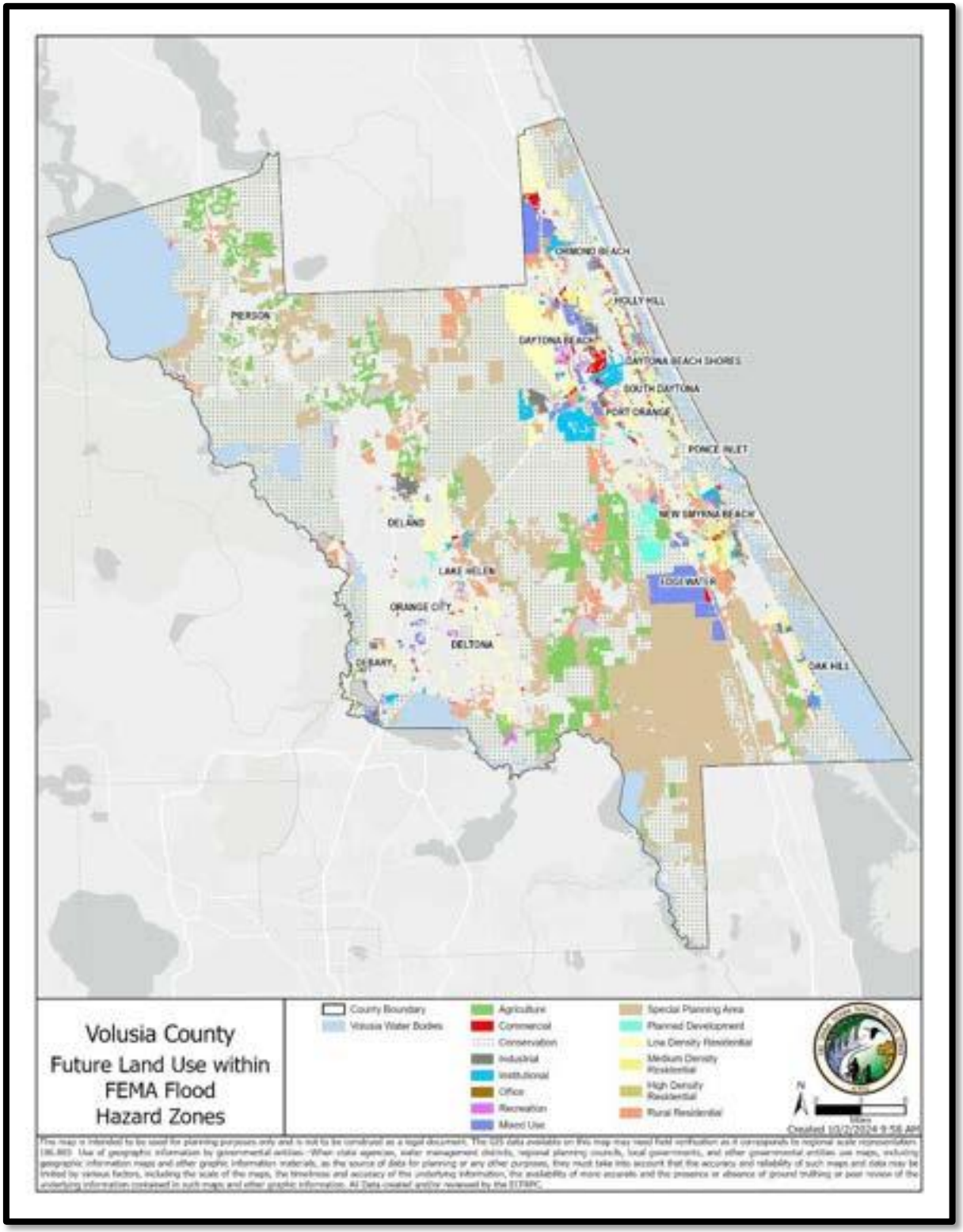
Volusia County Population, 2000: 445,060
Volusia County Population, 2010: 494,610 (+11.1%)
Volusia County Population, 2017: 538,692 (+8.9%)
Volusia County Population, 2023: 574,286 (+6.6%)

### *Future Land Use*

**Table 6: Analysis of Acreage of Future Land Uses Located within the 100 and 500-Year Flood Plain**

| Municipalities | Residential FLU | Commercial FLU | Mixed Use FLU | Industrial FLU | PD FLU | Institutional FLU |
|---|---|---|---|---|---|---|
| Daytona Beach | 9,383.93 | 1,008.15 | 1,611.28 | 977.84 | 45.03 | 864.09 |
| Daytona Beach Shores | 11.98 | 15.18 | - | - | 1.58 | 1.15 |
| DeBary | 482.88 | 69.27 | 110.81 | 1276.54 | - | 97.03 |
| DeLand | 889.78 | 8.7 | 1.69 | 407.6 | 162.82 | 2.25 |
| Deltona | 21,742.91 | 942.59 | 803.46 | - | - | - |
| Edgewater | 806.99 | 66.80 | 3,976.84 | 166.87 | - | 55.28 |
| Holly Hill | 603.81 | 69.36 | 8.30 | 222.08 | - | 27.98 |
| Lake Helen | 0 | 3.31 | 9.38 | - | - | 8.41 |
| New Smyrna Beach | 2846.42 | 406.93 | 313.81 | 303.1 | 2061.65 | 404.49 |
| Oak Hill | 650.58 | 59.45 | - | 7.59 | - | 21.1 |
| Orange City | 32.43 | 21.98 | 223.1 | 1.11 | - | - |
| Ormond Beach | 2,086.27 | 289.64 | 1,679.42 | 196.74 | - | 149.60 |
| Pierson | 31.69 | - | - | - | - | - |
| Ponce Inlet | 163.20 | 30.83 | - | - | - | 74.28 |
| Port Orange | 2,561.51 | 204.38 | 66.27 | 196.65 | 235.82 | 141.5 |
| South Daytona | 951.22 | 46.12 | 120.73 | 72.33 | - | 42.89 |
| Unincorporated | 4658.5 | 500.63 | 422.64 | 381.29 | - | 381.29 |

## Figure 15: Future Land Uses in the Floodplain



### *Shelters and Evacuations*

**Figure 16** shows the evacuation routes and storm shelter locations as identified by the Statewide Regional Evacuation Study (SRES). It is important to note that shelters located within a floodplain may be inaccessible to the public during flooding events, either due to property flooding or the flooding of access roads. The analysis showed that only one shelter is located within the 100-year floodplain.

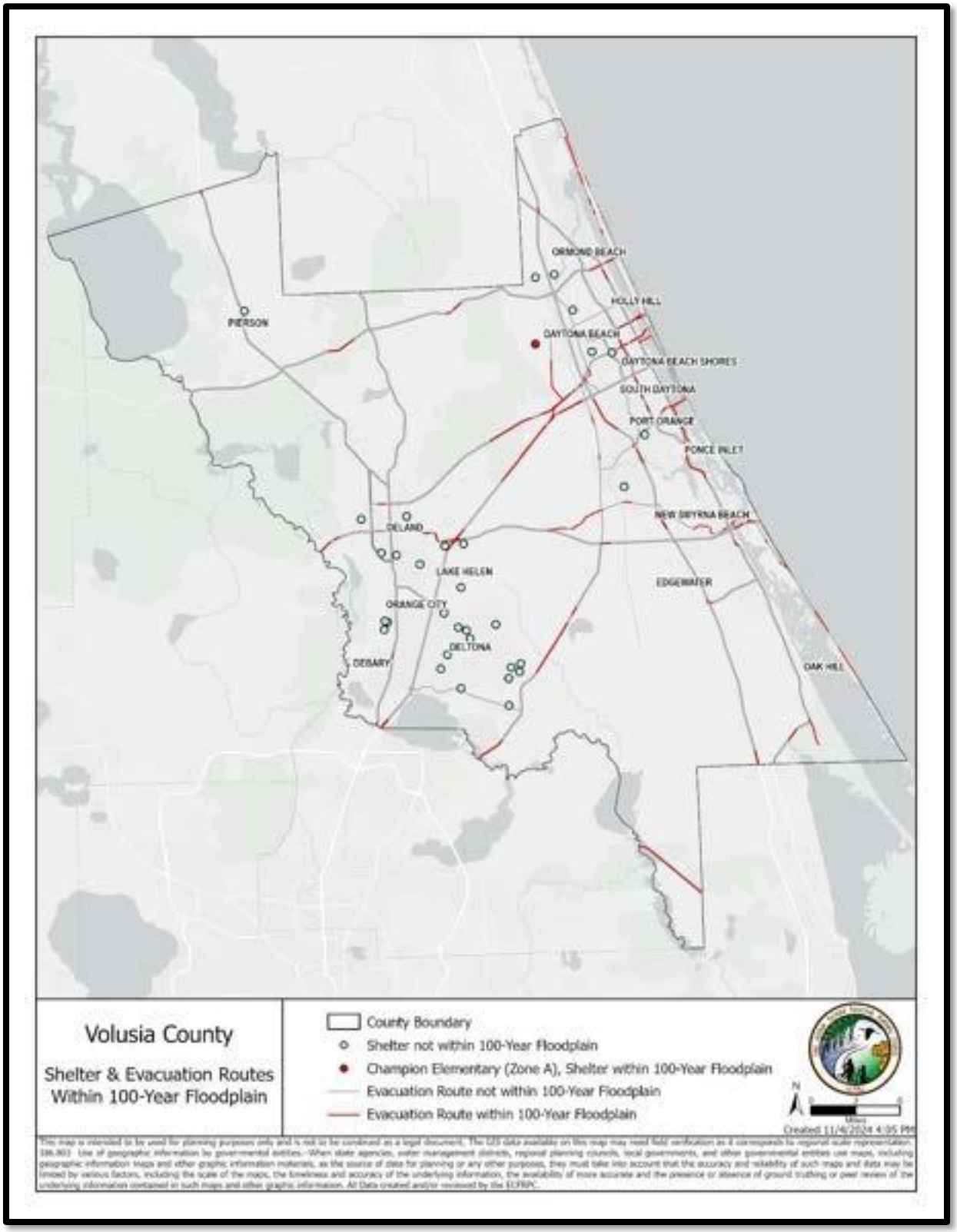
The following evacuation routes are primary movers of traffic out of Volusia County:

- Interstate 4 (to Orlando)
- Interstate 95 (to Miami, Jacksonville)
- State Road 40 (to Lake County)
- State Road 415 (to Sanford)
- U.S. 1 (coastal)

**Table 7** lists all the designated storm shelters in Volusia County.

In the event of a mass-evacuation situation in Volusia County, the roadways utilized to reach these storm shelters could become damaged or inundated by water, thus creating the need for mitigation activities that would identify shelters that have additional capacity or those that can serve excess capacity from an inundated shelter. Public messaging about evacuations is extremely time sensitive.

## Figure 16: Shelters and Evacuation Routes in the Floodplain



### Table 7: List of Shelters

| Jurisdiction | Name |
|---|---|
| Daytona Beach | Palm Terrace ES |
| Daytona Beach | Mainland HS |
| Daytona Beach | Champion ES (K-5) |
| DeLand | DeLand HS |
| DeLand | Freedom ES |
| DeLand | Daytona State College DeLand |
| Deland | Southwestern MS |
| Deland | Volusia County Fairground |
| DeLand | Citrus Grove ES (K-5) |
| DeLand | DeLand MS |
| Deltona | Sunrise ES |
| Deltona | Deltona HS |
| Deltona | Deltona Lakes ES |
| Deltona | Daytona State College Deltona |
| Deltona | Timber Crest ES |
| Deltona | Pride ES |
| Deltona | Friendship ES |
| Deltona | Spirit ES |
| Deltona | Heritage MS |
| Deltona | Discovery ES |
| Deltona | Forest Lake ES |
| Deltona | Pine Ridge HS |

| | |
|---|---|
| Deltona | Galaxy MS |
| Lake Helen | Volusia Pines ES |
| Orange City | Manatee Cove ES |
| Orange City | University HS |
| Orange City | River Springs MS |
| Ormond Beach | Hinson MS |
| Ormond Beach | Pathways ES |
| Ormond Beach | Pine Trail ES |
| Osteen | Osteen ES |
| Pierson | T.D. Taylor MS/HS |
| Port Orange | Creekside MS |
| Port Orange | Sweetwater ES |
| Port Orange | Hinson MS |

### C. Impacts of Flooding

Flooding poses a significant threat to Volusia County, affecting nearly every aspect of life, from the economy and infrastructure to community resilience and environmental sustainability. As storms grow more intense and rainfall totals increase, the consequences of flooding become more severe, leaving lasting damage that extends well beyond the initial event.

Economically, the cost of flooding is staggering. Property damage from floodwaters can leave homes and businesses uninhabitable, forcing residents and business owners to invest in costly repairs or relocation. Insurance premiums for flood-prone areas rise, placing additional financial strain on homeowners and deterring economic growth in affected communities. Prolonged flooding also disrupts commerce, shutting down businesses, damaging inventory, and creating long-term economic instability. Major employment sectors in the county, including tourism, agriculture, and coastal industries, suffer significant losses when roads are impassable, infrastructure is compromised, or natural attractions like beaches and parks are eroded or destroyed.

The county's infrastructure is particularly vulnerable to repeated flood events. Roads and bridges may be washed out, undermining connectivity and delaying emergency response times. Utilities, including water treatment plants and electrical grids, can become inundated, leading to prolonged power outages and boil-water advisories. As storm surges and riverine flooding breach critical infrastructure, the cost of repairs increases, and the risk of cascading failures—such as sewage system overflows and contaminated drinking water—rises. Public transit systems and evacuation routes often traverse floodplains, leaving them impassable during storms and further complicating response efforts.

For residents, flooding creates lasting hardship, particularly for the county's most vulnerable populations. Low-income communities, many of which are located in flood-prone areas due to historically lower property values, face disproportionate risks. Without financial resources to repair or elevate homes, many residents are left living in unsafe conditions long after floodwaters recede. Elderly and disabled individuals, who may have difficulty evacuating or accessing aid, are at higher risk of becoming stranded or experiencing health complications. Displaced families struggle with housing instability, often relying on temporary shelters or FEMA assistance while facing an uncertain future.

The environmental consequences of flooding further exacerbate the challenges faced by Volusia County. As floodwaters move through developed areas, they pick up pollutants, chemicals, and debris, contaminating rivers, estuaries, and groundwater supplies. The Halifax and Tomoka Rivers, along with the St. Johns River, serve as critical water sources for both human consumption and local ecosystems. Flooding accelerates saltwater intrusion into freshwater supplies, diminishing the availability of clean drinking water and threatening agriculture. Additionally, coastal erosion intensifies with each flood event, weakening natural barriers and making future storms even more destructive. Wetlands, which serve as natural buffers for floodwaters, become overwhelmed or permanently degraded, reducing their ability to absorb excess water and increasing the risk of more severe flooding in the future.

In the aftermath of major flood events, the road to recovery is long and arduous. The county must balance the immediate need for rebuilding with the long-term necessity of flood mitigation and climate adaptation. While investment in resilient infrastructure, improved drainage systems, and sustainable land-use planning can help reduce future risk, the reality remains that Volusia County will continue to grapple with the growing threats of flooding. The challenge of moving forward is not simply about responding to flood events but adapting to a future where rising waters become an ever-present concern.

# VI. MITIGATION STRATEGY

## A. Setting Goals

The Floodplain Management Plan Committee reviewed the goals of the current Volusia County FMP and the Local Mitigation Strategy. The following goals and objectives were adopted for the 2025 Volusia County Floodplain Management Plan.

**GOAL 1 - Prevent new development in the floodplain from increasing runoff and resulting in increases in flood volumes in the floodplain.**

- Objective 1.1 Enforce the building requirements, from the National Flood Insurance Program and not allow variances that are feasibly avoidable.
- Objective 1.2 Ensure any new development in the floodplain is in accordance with county or municipal ordinances.
- Objective 1.3 Minimize flood hazards and protect water quality county-wide by employing watershed-based approaches that balance environmental, economic, and engineering considerations.
- Objective 1.4 Protect environmentally sensitive lands and aquifers to maximize their survivability from known flood hazards where appropriate and financially feasible.
- Objective 1.5 Reduce flood exposure and maximize flood protection efforts.

**Goal 2 – Develop and maintain a proactive public awareness and outreach that informs and notifies property owners that they are located in a flood zone and provides assistance and information regarding flood zones, protection of property, local drainage and sewer back-up problems.**

- Objective 2.1 Create easily accessible information to educate residents about the hazards, loss reduction measures, and the natural and beneficial functions of floodplains.
- Objective 2.2 Encourage land and water uses compatible with the protection of environmentally sensitive lands and coastal resources.
- Objective 2.3 Review the adequacy and completeness of emergency procedures that address catastrophic flood events and every year conduct a test of the flood warning system.
- Objective 2.4 Minimize impacts from flooding in FEMA designated special flood hazard areas (i.e. flood zones starting with the letters “V” or “A”) where financially feasible.
- Objective 2.5 Build a constituency that desires to see the plan's recommendations implemented.
- Objective 2.6 Provide leadership in protecting low-income properties and public housing

from the impacts of floods.

**Goal 3 - Continue with the Hazard Mitigation Grant Program to identify and obtain funding for both pre-and-post disaster residential mitigation projects regarding flooding.**

- Objective 3.1 Continue to identify cost-beneficial residential units for various flood mitigation grants.
- Objective 3.2 Continue to utilize "Volusia Prepares" Local Mitigation Strategy to guide and assist the County and municipalities in establishing priorities for hazard mitigation projects.

**Goal 4 – Reduce the number of repetitive loss properties within Volusia County.**

- Objective 4.1: Mitigate identified repetitive loss properties through the HMGP funding program when possible.

**Goal 5 - Review the locations and effects on areas that experience flooding and determine what steps, if any, the County and municipalities can take to alleviate future impacts.**

- Objective 5.1 Maintain a database of flood problems and hazards, mitigation, and repetitive loss claim history.
- Objective 5.2 Build public and political support for projects that prevent new problems, reduce losses, and protect the natural and beneficial functions of floodplains.
- Objective 5.3 Continue to prioritize capital projects that will mitigate flood impacts in those areas of the County and municipalities that have experienced significant flooding problems.
- Objective 5.4 Continue and enhance existing programs that acquire wetland areas for passive recreation uses while providing significant watershed volume storage and buffer areas from the floodplain.

## VII. MITIGATION ACTIVITIES

Flood Mitigation specifically involves managing and controlling flood movement to prevent and minimize flooding. Flood mitigation is any action taken to reduce risk to people or property from flooding and its effects. The Volusia County Multi-Jurisdictional Local Mitigation Strategy (LMS) has evolved over the years and not only focuses on flooding, but other natural hazards. The Volusia Prepares LMS Working Group has developed Bylaws and Operating Procedures to formalize the LMS update process and working group. The Plan documents and represents the County's and participating local jurisdictions' sustained efforts to incorporate hazard mitigation principles and practices into the routine government activities and functions of Volusia County and its participating jurisdictions and partners. This includes documenting the goals and objectives that Volusia County deems necessary to protect people and property from hazards. At its most inner core, the Plan recommends specific actions to combat hazard vulnerability and protect its residents from losses to those hazards that pose the greatest risk.

### Table 8: Funding Sources for Property Mitigation Activities

| Eligible Activities | Hazard Mitigation Grant | Pre-Disaster Mitigation | Flood Mitigation Assistance | Repetitive Flood Claim | Community Development Block Grant | Public Assistance Program | Severe Repetitive Loss |
|---|---|---|---|---|---|---|---|
| Acquisition/ Demolition *(for purposes of open space)* | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Relocation | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Elevation | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Dry Flood-proofing *(historic residential structures)* | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Public Facility Mitigation | | | | | ✓ | ✓ | ✓ |
| Mitigation Re-construction | | | | | ✓ | | ✓ |

*A detailed description of the funding sources can be found in Section 9 of the Volusia County Local Mitigation Strategy.*

## A. Flooding Preventative Activities

Planning and regulatory capability is based on the implementation of plans, ordinances and programs that demonstrate a local jurisdiction's commitment to guiding and managing growth, development and redevelopment in a responsible manner while maintaining the general welfare of the community. It includes emergency management, mitigation planning, and comprehensive land use planning. Examples include:

- **Enforcement of Zoning and Subdivision Ordinances and Building Codes** - regulate how land is developed and how structures are built.
- **Urban Service Area Boundaries** – created to regulate sprawl and apply land use policies within defined, manageable boundaries. When a city has an urban service boundary, services and infrastructure are not provided outside the boundary to prevent development in sensitive areas and future losses. This supports development in lower-risk areas.
- **Transfer of Development Rights** – transfer of development rights is a market-based tool that allows communities to channel development toward designated growth areas and away from natural areas. Purchasing land may be beneficial to conserve natural land or relocate facilities from at risk areas.
- **Down Zoning** – involves rezoning an area to a usage of lower intensity, limiting financial exposure of development in high-risk areas. This can be applied in parts of the city that might be vulnerable to the impacts of sea level rise, storm surge, and flooding.
- **Cluster Zoning** – the type of zoning is used to "cluster" density within well-defined urban centers, leaving room for open spaces and conservation land. This strategy is best implemented in areas located away from high hazard zones and are centrally located.

## B. Property Preventative Activities

Property preventive activities are generally undertaken by property owners on a building-by-building or parcel basis. Some activities may include:

- **Buy-Out & Acquisition** - the act of acquiring or gaining possession to flood damaged properties and permanently preserving the land.
- **Relocation** – physically moving an asset or facility that is at risk or that has experienced multiple flood losses in the past. A cost-benefit analysis should be performed due to the potential alternative to building an entirely new facility.
- **Elevation** – to reduce the probability of inundation and wave action, private and public property owners may choose to raise structures above base flood elevation.
- **Flood Insurance** – a specific insurance coverage against property loss from flooding.

- **Flood-Proofing** – this strategy includes making foundations, doors, and windows watertight or changing the use of the ground flood facilities to tolerate temporary inundation. Dry proofing makes assets waterproof. While wet proofing ensures that key materials are water resistant or elevated above the designated flood elevation.

### C. Natural Resource Protection Activities

These activities are customarily conducted to preserve or restore natural areas or the natural functions of floodplain and watershed areas. Natural resource protection activities reduce the impact of natural hazards by preserving or restoring natural areas and their protective functions. Such areas include floodplains, wetlands, steep slopes and sand dunes. Parks, recreation or conservation agencies and organizations often implement these protective measures. Examples of Natural Resource Protective Measures:

- **Floodplain protection and watershed management** – regulate how land is developed.
- **Low impact development and nature-based solutions** – this includes the use of multiple strategies such as bioretention, permeable surfaces, solar, green buildings, and other features in masse in a new or existing development.
- **Living shorelines** – a vegetated shoreline that utilizes native plants with the purpose of dissipating erosive wave energy, filtering out toxins from water draining into the lagoon, and supporting coastal marine ecosystems. Many types of living shorelines exist such as salt marshes, oyster reefs, and dunes.
- **Shoreline nourishment and replenishment** – lengthens beaches or reduces water depths, may restore natural sand flow where it has been interrupted, and provides erosion protection for a large area over time. This is most useful along waterways prone to erosion.
- **Habitat restoration** – restoration of dunes, wetlands, and marshlands can improve water quality and health of ecosystems, provides recreational and philanthropic opportunities, and buffer property from water velocity.

### D. Emergency Services Activities

Emergency services measures are taken prior to, during, and after an emergency to minimize vulnerability and impact. Volusia County Division of Emergency Management actively participates in training and exercise, as well as evacuation planning and emergency response. Currently Volusia County and 15 jurisdictions have an evacuation plan in place. In addition, Volusia County participated in the Statewide Regional Evacuation Study. Activities include:

- **Distributing sandbags for flood protection** - coordinating with the community prior to an expected flood event.

- **Emergency response training and exercises** – practices response and recovery efforts and identifying gaps.
- **Comprehensive Emergency Management Plan (CEMP)** – VCEM maintains a CEMP.

### E. Structural Projects

Structural projects keep floodwaters away from an area with a levee, reservoir, or other flood control measure. Structural projects are usually designed by engineers and managed or maintained by public works staff. Examples of structural projects include:

- **Seawalls** – designed to prevent erosion and flooding on property in coastal areas.
- **Levees** – manmade or naturally occurring to regulate water levels and prevent outflow.
- **Tidal Dams** – damn like structure that limits high tides and storm surge from traveling upstream, reducing potential overflow of creeks and banks.
- **Water Pump Systems** – essential for cities to have adequate water pumping systems to allow the distribution of clean water and disposal of wastewater.
- **Green Streets** – combines bioretention swales, planters, and other green features with the elements of complete streets to enhance aesthetics and on-site water retention.

### F. Public Education and Awareness Activities

Public Education and Awareness activities are used to advise residents, elected officials, business owners, potential property buyers, and visitors about hazards, hazardous areas, and mitigation techniques they can use to protect themselves and their property. Examples of measures to educate and inform the public include outreach projects.

Through an agreement with Volusia County, WNDB 1150AM/WHOG 95.7FM radio and WDSC TV-15 are Volusia County's official emergency management information stations. WNDB has a broadcast outlet at the CEOC. WDSC enhances the County's ability to provide critical public safety information with a direct, live television connection. Volusia County’s website hosts a flood map viewer which is an online mapping program that has searchable flood maps. The flood map viewer allows an individual to type in an address or property identification number to see the parcel on an interactive map in relation to the high-risk flood areas. Volusia County and its jurisdictions also provide real estate agents with floodplain disclosures. Information regarding floods can also be found at the County Libraries. Volusia County actively provides updates on events and public outreach through Facebook and X (formally known as Twitter).

It was identified through the public survey process that many residents are unsatisfied with educational and outreach efforts provided by the jurisdictions. It is recommended that

throughout the year and during the yearly plan update, at least one public meeting be held to provide information to the residents concerning mitigation and associated funding options. In addition, social media, mailings, workshops, and information booths at events are also suggested as well as public service announcements and information in the local newspaper. Providing strategies, funding resources and other education material both electronically on all the jurisdictional websites and in print in libraries and City Halls would be beneficial.

As of 2024, Volusia County Emergency Management has a downloadable app for cellphones that alerts and notifies residents with important information. This app supports push notifications that can be sent directly to the user's phone.

## G. Action Plan

The Volusia County Multi-Jurisdictional Local Mitigation Strategy features a mitigation action plan that is maintained through the LMS Working Group. The Mitigation Strategy is the selection and prioritization of specific mitigation actions, referred to as Hazard Mitigation Initiatives, for Volusia County and participating jurisdictions. The Mitigation Action Plan (MAP) represents an unambiguous and functional plan for action and is considered to be the most essential outcome of the mitigation planning process. This detailed Action Plan can be found in Section 8 of the Volusia County Multi-Jurisdictional Local Mitigation Strategy.

The MAP includes a prioritized listing of proposed hazard mitigation actions (policies and projects) for Volusia County and its participating jurisdictions and partners to carry out with accompanying information such as those departments or individuals assigned responsibility for their implementation, potential funding sources and an estimated target date for completion, serving as an important tool for monitoring success or progress over time. The cohesive collection of actions listed in the MAP can also serve as an easily understood menu of mitigation policies and projects for those local decision makers who want to quickly review the recommendations and proposed actions of the Hazard Mitigation Plan.

The LMS working group has reviewed and prioritized the initiatives and projects found in the Action Plan. The prioritization was based on the following factors: population benefited, health and safety considerations, environmental impact, consistency with other plans and programs, reduces risk of future property damage, supports essential or critical services, probability of receiving funding and ease of implementation, community rating system, repetitive loss mitigation, and benefit cost ratio. Refer to Table 9 on the next page which justifies the scoring system. It is important to note that since this plan is to be incorporated into the Volusia County Local Mitigation Strategy (LMS), it will fall under all the implementation, evaluation, and revision

criteria and schedule as outlined specifically in the LMS.

### H. Post-Disaster Redevelopment Strategies and Procedures

The County has completed and incorporated a Post Disaster Redevelopment Plan and Debris Management Plan into its ongoing planning process. In addition, a Continuity of Operations Plan has been developed to ensure that all County Emergency Support Functions (ESF's) work in unison following a hazard event.

### I. Natural Hazard Mitigation Strategies and Procedures

The County deals with natural hazard mitigation and procedures through this plan and the Local Mitigation Strategy. The Local Mitigation Strategy Priority Projects list includes projects geared to reduce the impacts of flooding, storm surge, tropical cyclones, and other hazards. The 2025 Floodplain Management Plan has been affirmed with Resolutions of Adoption (Appendix H) for incorporation into the Volusia County Floodplain Management Plan.

## Table 9: Prioritization and Scoring Worksheet

| *Prioritization Criteria* | *Scoring* | | | |
|---|---|---|---|---|
| ***Population Benefited*** | **4 Points:** Project will benefit a multi-jurisdictional area | **3 Points:** Project will befit a jurisdictional area | **2 Points:** Project will benefit less than 100% of a jurisdiction. | |
| ***Health and Safety Considerations*** | **4 Points:** Project would benefit 75% or more of the population. | **3 Points:** Project would benefit 50 -74 % of the population. | **2 Points:** Project would benefit 25-49% of the population. | **1 Point:** Project would benefit less than 25% of the population. |
| ***Environmental Impact*** | **1 Point:** Project improves the environment. | **0 Point:** Risk to the environment is undetermined. | **(-1) Point:** Project poses a risk to the environment. | |
| ***Consistency with other plans and programs*** | **4 Points:** Project is incorporated into the LMS, CEMP, and Comp Plan and supports the NFIP. | **3 Points:** Project is incorporated into at least two of these plans. | **2 Points:** Project is incorporated into at least one of these plans. | **1 Point:** Project is consistent with other local standards, aside from LMS, CEMP, and Comp Plan. |
| ***Reduces Risk of Future Property Damage*** | **4 Points:** Mitigates a hazard of high frequency or risk. | **3 Points:** Mitigates a hazard of moderate frequency or risk. | **2 Points:** Mitigates a hazard of low frequency or risk. | **1 Point:** Mitigates a hazard of very low frequency or risk. |
| ***Supports Essential or Critical Services*** | **5 Points:** Project will ensure continuity of operations for essential infrastructure or services. | **3 Points:** Project will support infrastructure or services with loss/damage history. | **1 Point:** Project will support infrastructure or services without loss/damage history. | **0 Points:** Projects operation will have no impact on community infrastructure or services if disrupted. |
| ***Probability of Receiving Funding for Implementation*** | **4 Points:** Limited funding potential exists. | **3 Points**: Potential funding sources are other state or federal grants or similar funding sources. | **2 Points:** Potential funding is readily available through emergency preparedness or mitigation funding sources. | **0 Points**: Potential funding is readily available through local funding sources. |

| | | | | |
|---|---|---|---|---|
| ***Feasibility of Implementation*** | **4 Points:** Project would be relatively easy to implement in one year. | **3 Points**: Project would be easy to implement in three years. | **2 points:** Project would be easy to implement in five years. | **0 Points:** Project would be difficult to implement. |
| ***Community Rating System (CRS)***<br>-public information, mapping<br>- damage reduction<br>-flood preparedness | **4 Points:** Project supports four CRS elements | **3 Points:** Project supports three CRS elements. | **2 Points:** Project supports two CRS elements. | **1 Point:** Project supports one CRS element. |
| ***Repetitive Loss (RL) Mitigation*** | **4 Points:** Project protects 50% or more of the RL structures. | **2 Points**: Project protects less than 50% of the RL structures. | **0 Points:** Project does not protect a RL structures. | |
| ***Benefit Cost Ratio (BCR)*** | **5 Points:** Project has a BCR of "1" or higher, using FEMA approved software. | **3 Points:** Project has a BCR of less than "1" using FEMA approved software. | **0 Points:** BCR cannot be determined. | |

# VIII. PLAN MAINTENANCE

## A. Adopt the Plan

Each jurisdiction participating in the CRS program is required to adopt the Floodplain Management Plan formally through individual jurisdictional boards. The Appendix provides copies of all adopted resolutions. Please note, this section is a working section, as the adoption process may vary amongst the jurisdictions. As each jurisdiction provides a copy of the adopted resolution, it will be added to the appendix of the plan. The Volusia County Emergency Management Division is responsible for the master copy of the Floodplain Management Plan.

## B. Implement, Evaluate, and Revise

As the party responsible for the FMP, the Volusia County Emergency Management Division will oversee the implementation, evaluation, and revision of the plan on a County-wide basis. Jurisdictional implementation and revision of Appendix A is the responsibility of each individual jurisdiction.

Procedures for monitoring the implementation, progression and revisions of the plan are completed through the Local Mitigation Strategy Steering Committee, also referred to as “Volusia Prepares”. This committee meets on a quarterly basis to review aspects of the LMS, including the FMP, and other topics such as CRS upkeep and requirements. The working group is made up of Volusia County Emergency Management staff and one representative from each participating Town or City. The working group implements the plan through Resolutions of Support and Resolutions of Adoption, evaluates the plan on a case- by-case basis, and revises the plan through the development of the “Action Plan” of priority projects, which are updated during Steering Committee Meetings as needed.

The LMS Steering Committee and the FMP Planning Committee are generally comprised of the same jurisdictional staff members. For the purpose of updating and maintaining the FMP, the FMP Planning Committee composition will continue to encompass the jurisdictional staff responsible for the implementation of the FMP and related policies and projects as it had been during the initial planning process. Pursuant to CRS Activity #510, an annual progress report is submitted.

This Floodplain Management Plan is considered an appendix to the Volusia County LMS. To that end, the maintenance of this document will occur in conjunction with the quarterly LMS updates. During the third quarter of the calendar year (July/August/September), the County and the jurisdictions will provide updates, including data and projects, to the County for review by the LMS

Steering Committee/FMP Planning Committee. The steering committee will review any updates, and the County will be responsible for implementing the updates in the master plan. In addition, the evaluation report will be prepared by the FMP Planning Committee and address updates per jurisdiction. Each community will submit its copy of the annual evaluation report with its recertification annually. The Volusia County Emergency Management Division will be responsible for the five-year update process. During this update period, the public will have the opportunity to participate in the updating process. It is recommended that at least one public meeting is held during this period to provide input. In addition, it is recommended that notification be submitted via databases, utility mailings, websites, and social media, concerning the update process, public meetings, and other avenues of input. The current plan as well as the proposed changes should be made available on each jurisdictional website as well as a hard copy being provided at the City Halls and libraries. Press releases, website or social media posts, radio, and TV announcements may also be utilized to inform the public.

Once per year, elected officials will be provided with a copy of the most current Floodplain Management Plan in conjunction with the LMS. At that time, hard copies of the plan will be replaced at the designated location in participating jurisdictions or be found online via the County's website.

# JURISDICTIONAL PROFILES

## Profiles

### Daytona Beach

***Floodplain Management Goals and Objectives***

Goal 1: Promote public health, safety and general welfare, and to minimize public and private losses due to flood conditions in specific areas

- Objective 1.1: Maintain the City's Community Rating System Classification.
- Objective 1.2: Provide flood protection information to residents.
- Objective 1.3: Coordinate and implement small and/or large-scale projects to help alleviate drainage and flood concerns.
- Objective 1.4: To protect human life, health and to eliminate or minimize property damage.
- Objective 1.5: Require the use of appropriate construction practices to prevent or minimize future flood damage.
- Objective 1.6: Manage filling, grading, dredging, mining, paving, excavation, drilling operations, storage of equipment or materials and other development activities which may increase flood damage or erosion potential.
- Objective 1.7: Manage the alteration of flood hazard areas, watercourses and shorelines to minimize the impact of development on the natural and beneficial functions of floodplains.
- Objective 1.8: To minimize the need for rescue and relief efforts associated with flooding that are generally undertaken at the expense of the general public.
- Objective 1.9: To minimize prolonged business interruptions.
- Objective 1.10: To minimize damage to public facilities and utilities, such as water mains, gas mains, electric lines, telephone lines and sanitary sewer lines, streets, bridges and stormwater culverts located in floodplains.
- Objective 1.11: To maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blight areas.
- Objective 1.12: To ensure that potential homebuyers are notified when the property is in a flood hazard area.

- Objective 1.13: To help maintain a stable tax base by providing for the sound use and development of flood prone areas in order to minimize flood blight areas.

Goal 2: To create programs to manage the surface water runoff

- Objective 2.1: Develop/maintain storm water management plan.
- Objective 2.2: Develop alternative water supply on western city limits.

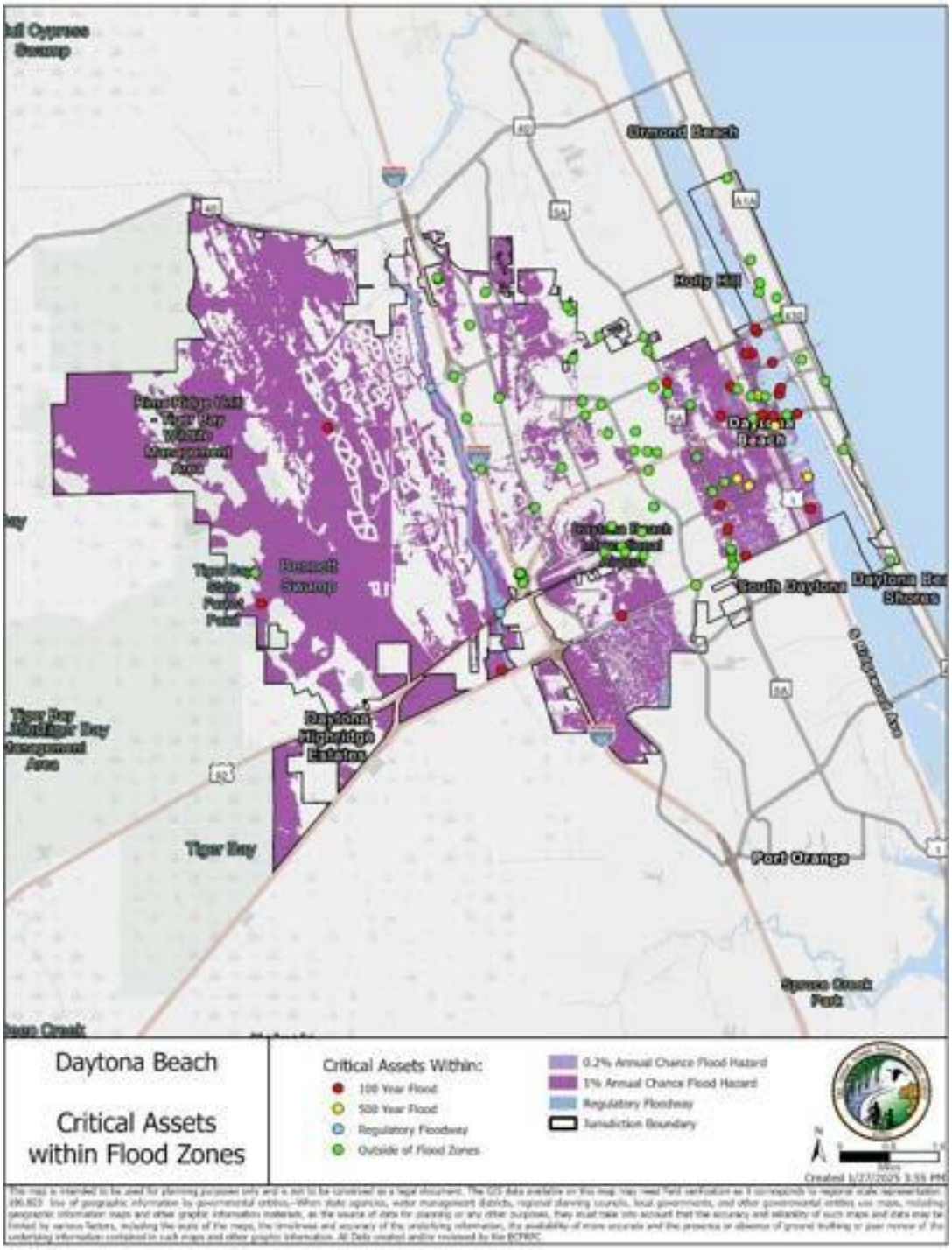
*Table 1: Daytona Beach- Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Iww Halifax River Highway Bridge** | Transportation Systems | 100-Year |
| **Daytona Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Nova Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Tomoka River Highway Bridge** | Transportation Systems | 100-Year |
| **Municipal Yacht Basin** | Transportation Systems | 100-Year |
| **Vehicle Maintenance Facility** | Utility Systems | 100-Year |
| **Daytona Beach/Bethune Point Drinking Water Facility** | Utility Systems | 500-Year |
| **WROD 1340** | Utility Systems | 100-Year |
| **WMFJ 1450** | Utility Systems | 100-Year |
| **Father Lopez Catholic High School** | Essential Facilities | 100-Year |
| **Pure In Heart Christian Academy** | Essential Facilities | 100-Year |
| **Bethune-Cookman University** | Essential Facilities | 100-Year |
| **Turie T. Small Elementary School** | Essential Facilities | 500-Year |
| **Mount Calvary Academy** | Essential Facilities | 500-Year |
| **The Chase Academy, Inc.** | Essential Facilities | 100-Year |
| **Champion Elementary School** | Essential Facilities | 100-Year |
| **Volusia County Sheriffs Department** | Essential Facilities | 500-Year |
| **Daytona Beach Fire Department Station 1** | Essential Facilities | 500-Year |
| **Daytona Beach Fire Department Station 6** | Essential Facilities | 100-Year |

*Table 2: Daytona Beach- Floodplain Exposure Analysis*

| Exposure | Percentage |
|---|---|
| **Percent of Properties in the Floodplain** | 43.87% |
| **Properties in the Floodplain** | 13,847 |
| **Exposed Acreage: Residential Future Land Use** | 9,383.93 |
| **Exposed Acreage: Commercial Future Land Use** | 1,008.15 |
| **Exposed Acreage: Mixed Use Future Land Use** | 1,611.28 |
| **Exposed Acreage: PD Future Land Use** | 45.03 |
| **Exposed Acreage: Institutional Future Land Use** | 864.09 |
| **Total Exposure: Land Value** | $1,703,773,217 |
| **Total Exposure: Building Value** | $4,954,662,325 |
| **Total Exposure: Assessed Value** | $6,658,435,543 |
| **Total Exposure: Taxable Value** | $4,082,706,747 |
| **Exposed Acreage: Industrial Future Land Use** | 977.84 |

*Figure 1: Critical Assets with Flood Zone - Daytona Beach*



## Daytona Beach Shores

### *Floodplain Management Goals and Objectives*

Goal 1: Prevent new development in the floodplain from increasing runoff and resulting in increases in flood volumes in the floodplain.

- Objective 1.1 Enforce building requirements from the National Flood Insurance Program and not allow variances that are feasibly avoidable.
- Objective 1.2 Permit new development in the Special Flood Hazard Area consistent with federal, state and local laws.
- Objective 1.3 Minimize flood hazards and protect water quality by employing approaches that balance environmental, economic, and engineering considerations.
- Objective 1.4 Protect environmentally sensitive lands to maximize their inherent mitigation attributes and reduce known flood hazards where appropriate and financially feasible.
- Objective 1.5 Reduce flood exposure and maximize flood protection efforts.

Goal 2: Develop and maintain a proactive public awareness and outreach that informs and notifies property owners that they are located in a flood zone and provides assistance and information regarding flood zones, protection of property, local drainage and sewer back-up problems.

- Objective 2.1 Create easily accessible information to educate residents about the hazards, loss reduction measures, and the natural and beneficial functions of floodplains.
- Objective 2.2 Encourage land and water uses compatible with the protection of environmentally sensitive lands and coastal resources.
- Objective 2.3 Review the adequacy and completeness of emergency procedures that address catastrophic flood events.
- Objective 2.4 Minimize impacts from flooding in FEMA designated special flood hazard areas (i.e. flood zones starting with the letters “V” or “A”) where financially feasible.
- Objective 2.5 Build a constituency that desires to see the plan's recommendations

implemented.

Goal 3: Continue with the Hazard Mitigation Grant Program to identify and obtain funding for both pre-and-post disaster residential mitigation projects regarding flooding.

- Objective 3.1 Identify various flood mitigation grants that may assist residences located in the floodplain.
- Objective 3.2: Utilize "Volusia Prepares" Local Mitigation Strategy to guide and assist in establishing priorities for hazard mitigation projects.

Goal 4: Reduce the number of repetitive loss properties within Volusia County.

Goal 5: Review the locations and effects on areas that experience flooding and determine what steps, if any, the City can take to alleviate future impacts.

- Objective 5.1 Maintain a database of flood problems and hazards, mitigation and repetitive loss claim history.
- Objective 5.2 Build public and political support for projects that prevent new problems, reduce losses, and protect the natural and beneficial functions of floodplains.
- Objective 5.3 Prioritize capital projects that will mitigate flood impacts in areas of the City that have experienced significant flooding problems.
- Objective 5.4 Utilize the findings of the Daytona Beach Shores Resiliency Study (25-26) to guide and assist in establishing flood related priorities and future actions.
- Objective 5.5 Coordinate with adjacent jurisdictions to address multi-jurisdictional flood issues where feasible.

There are no critical assets within the 100-year or 500-year flood zones.

*Table 3: Daytona Beach Shores - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 38.53% |
| **Properties in the Floodplain** | 507 |
| **Exposed Acreage: Residential Future Land Use** | 11.98 |
| **Exposed Acreage: Commercial Future Land Use** | 15.18 |
| **Exposed Acreage: Mixed Use Future Land Use** | 0 |
| **Exposed Acreage: PD Future Land Use** | 1.58 |
| **Exposed Acreage: Institutional Future Land Use** | 1.15 |
| **Total Exposure: Land Value** | $157,904,972 |
| **Total Exposure: Building Value** | $279,484,175 |
| **Total Exposure: Assessed Value** | $437,389,147 |
| **Total Exposure: Taxable Value** | $373,912,678 |
| **Exposed Acreage: Industrial Future Land Use** | 0 |

*Figure 2: Critical Assets with Flood Zone - Daytona Beach Shores*



## DeBary

### *Floodplain Management Goals and Objectives*

Goal 1: Manage storm water runoff and the preservation of water resources.

- Objective 1.1: Alleviate downstream flood hazards
- Objective 1.2: Prevent significant loss of life and property due to runoff from any foreseeable rainfall event
- Objective 1.3: Reduce the capital expenditure associated with flood-proofing and the installation and maintenance of storm drainage systems.

Goal 2: Promote public health, safety and general welfare and minimize public and private losses due to flood conditions in specific areas.

- Objective 2.1: Protect human life, health and eliminate or minimize property damage
- Objective 2.2: Minimize expenditure of public money for costly flood control projects
- Objective 2.3: Minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public
- Objective 2.4: Maintain a stable tax base by providing for the sound use and development of flood-prone areas in such a manner as to minimize flood blight areas.
- Objective 2.5: Ensure that potential homebuyers are notified that property is in a flood hazard area.

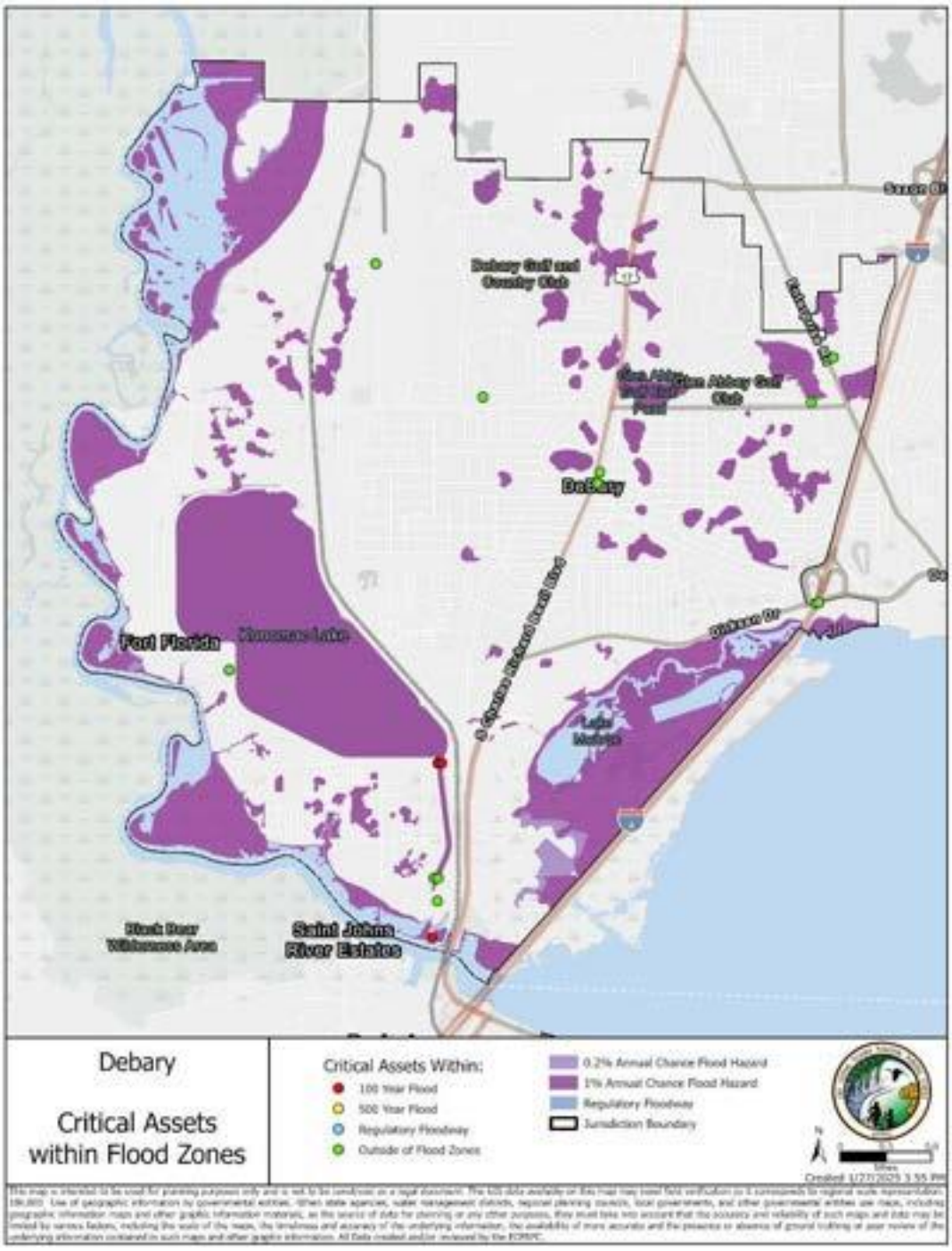
*Table 4: DeBary - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **FPL Cooling Discharge Canal Highway Bridge** | Transportation Systems | 100-Year |
| **FPL Cooling Intake Canal Highway Bridge** | Transportation Systems | 100-Year |
| **FPL Lake Monroe Highway Bridge** | Transportation Systems | 100-Year |

*Table 5: DeBary - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 11.7 |
| **Properties in the Floodplain** | 1,387 |
| **Exposed Acreage: Residential Future Land Use** | 482.88 |
| **Exposed Acreage: Commercial Future Land Use** | 69.27 |
| **Exposed Acreage: Mixed Use Future Land Use** | 110.81 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 97.03 |
| **Total Exposure: Land Value** | $210,727,482 |
| **Total Exposure: Building Value** | $380,092,845 |
| **Total Exposure: Assessed Value** | $590,820,327 |
| **Total Exposure: Taxable Value** | $340,103,975 |
| **Exposed Acreage: Industrial Future Land Use** | 0 |

*Figure 3: Critical Assets with Flood Zone - DeBary*



## DeLand

***Floodplain Management Goals and Objectives***

Goal 1: Minimize public and private losses due to flood conditions in specific areas.

- Objective 1.1: Prioritize and implement capital projects to alleviate known drainage and flooding problems.
- Objective 1.2: Maintain existing storm water facilities to function near optimal capacity.
- Objective 1.3: Sweep streets to maintain positive visual appearance and to prevent build-up of debris in storm systems within City right of way.
- Objective 1.4: Maintain storm water pump stations and standby generators in good condition at all times.

Goal 2: Provide adequate funding for construction of storm water system improvements and operation and maintenance of existing systems.

- Objective 2.1: Obtain revenue from all storm water system users by collection of utility fees accessed in proportion to benefit derived.
- Objective 2.2: Analyze and adjust storm water utility rates as necessary to fund priority capital projects and operating expenses.

Goal 3: Regulate new development and redevelopment to reduce or eliminate increases in flood volumes and additional flooding conditions.

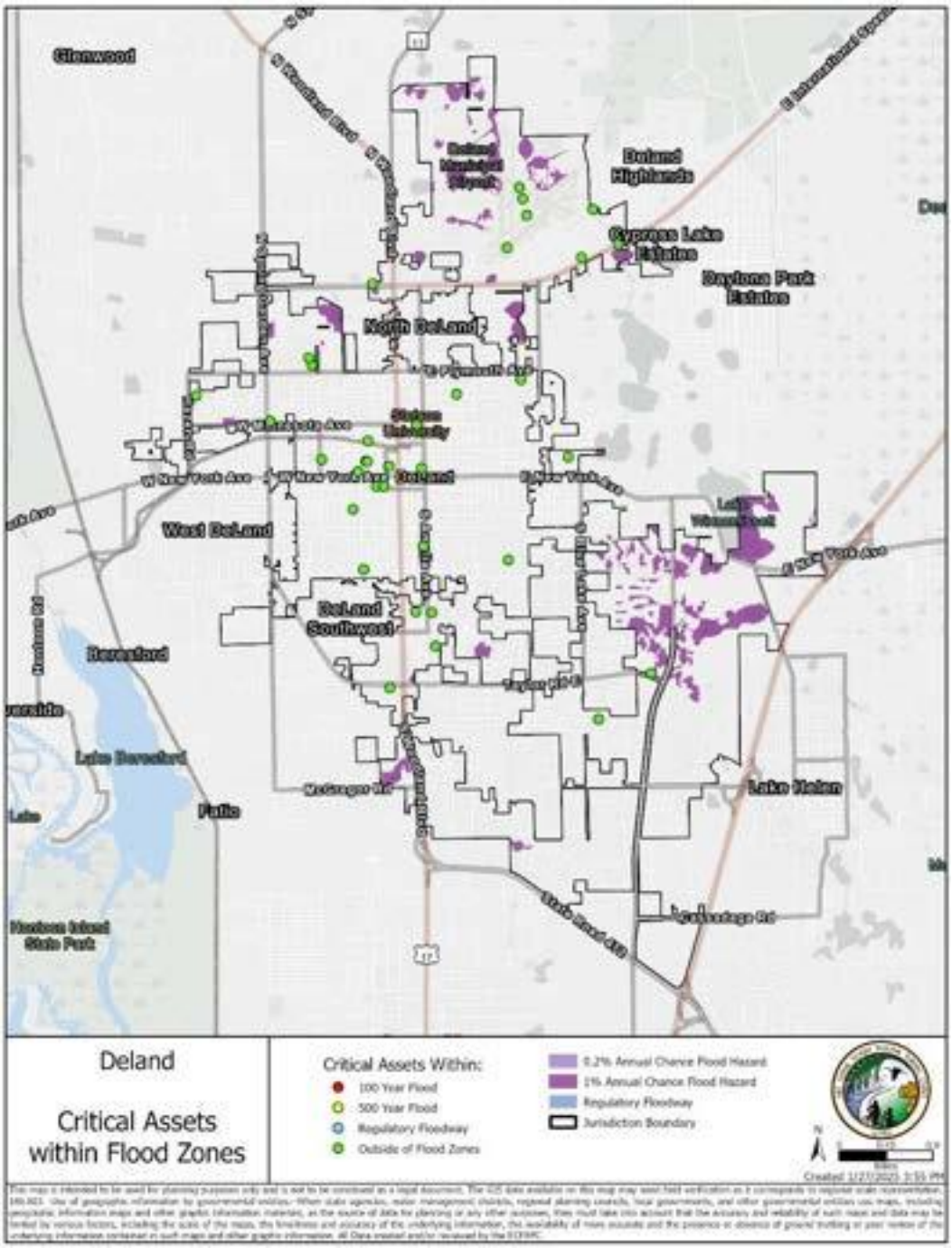
- Objective 3.1: Enforce building requirements from the National Flood Insurance Program.
- Objective 3.2: Prevent new development in the flood plain unless mitigated.
- Objective 3.3: Consider downstream effects of new development and require mitigation as appropriate.
- Objective 3.4: Reduce quantity and improve quality of runoff from developed properties when redeveloped.

There are no critical assets within the 100-year or 500-year flood zones.

*Table 6: Deland - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 2.11% |
| **Properties in the Floodplain** | 369 |
| **Exposed Acreage: Residential Future Land Use** | 889.78 |
| **Exposed Acreage: Commercial Future Land Use** | 8.7 |
| **Exposed Acreage: Mixed Use Future Land Use** | 1.69 |
| **Exposed Acreage: PD Future Land Use** | 162.82 |
| **Exposed Acreage: Institutional Future Land Use** | 2.25 |
| **Total Exposure: Land Value** | $745,304,25 |
| **Total Exposure: Building Value** | $160,357,535 |
| **Total Exposure: Assessed Value** | $234,887,960 |
| **Total Exposure: Taxable Value** | $120,198,104 |
| **Exposed Acreage: Industrial Future Land Use** | 407.6 |

*Figure 4: Critical Assets with Flood Zone - Deland*



## Deltona

***Floodplain Management Goals and Objectives***

Goal 1: Protect and appropriately utilize the physical and ecological functions of natural drainage ways and related drainage patterns.

- Objective 1.1: The City shall discourage development within any known flood plains as identified by the best available data, such as FEMA flood maps.
- Objective 1.2: Development and structures shall be discouraged within the 100-year flood plain; however, if located therein they shall be constructed in a manner that results in no loss in of existing 100-year floodplain storage and function.
- Objective 1.3: If structures are allowed in the 100-year flood plain, development within areas prone to 100-year flooding shall compensate for the full amount of flood storage displacement within the 100-year floodplain and shall not increase expected flood levels for adjacent properties or reduce receiving surface water quality below established levels.
- Objective 1.4: The functions of flood plains and other flood prone areas shall be protected by directing development away from such areas. If activities do occur within floodplain or flood prone areas such impacts shall be minimized. In addition, if development does occur within floodplain/prone areas then techniques such as compensating storage and the elevation/design of improvements shall be required to ensure that floodplain functions are protected.

Goal 2: The City of Deltona shall continue to implement the comprehensive surface and groundwater watershed management plan.

- Objective 2.1: On-site sewage disposal systems and associated drain fields shall be discouraged within the flood plain of surface water bodies as provided for inland development regulations, to the extent that such systems are designed and located to not contribute to the degradation of ambient water quality as consistent with applicable State regulations.
- Objective 2.2: Undisturbed segments of flood plains shall be protected through public acquisition, land use controls, conservation easements, or other methods as appropriate.
- Objective 2.3: Proposed structures located within the flood plain of surface water

bodies and within flood prone areas, shall be required to utilize building methods as provided in land development regulations, to the extent that fill material required for construction or other impervious surfaces will not reduce the ability of the floodplains to store and convey floodwaters, or degrade the natural physical and biological functions of protected habitat without approved mitigation. Impacts of filling in the floodplains and flood prone areas shall be considered both sites specifically and cumulatively. 9J- 5.013(2)(c)(9)

- Objective 2.4: Dwelling unit densities shall not be increased within the flood plains of surface water bodies and in other flood prone areas as provided for in land development regulations, and per Florida Statute in that allowable densities do not create potential flood hazards or degrade the natural functions of the flood plain. Dwelling unit density determinations in the floodplain shall consider both site specific and cumulative impacts.

Goal 3: Protect and appropriately utilize the physical and ecological functions of natural drainage ways and related drainage patterns.

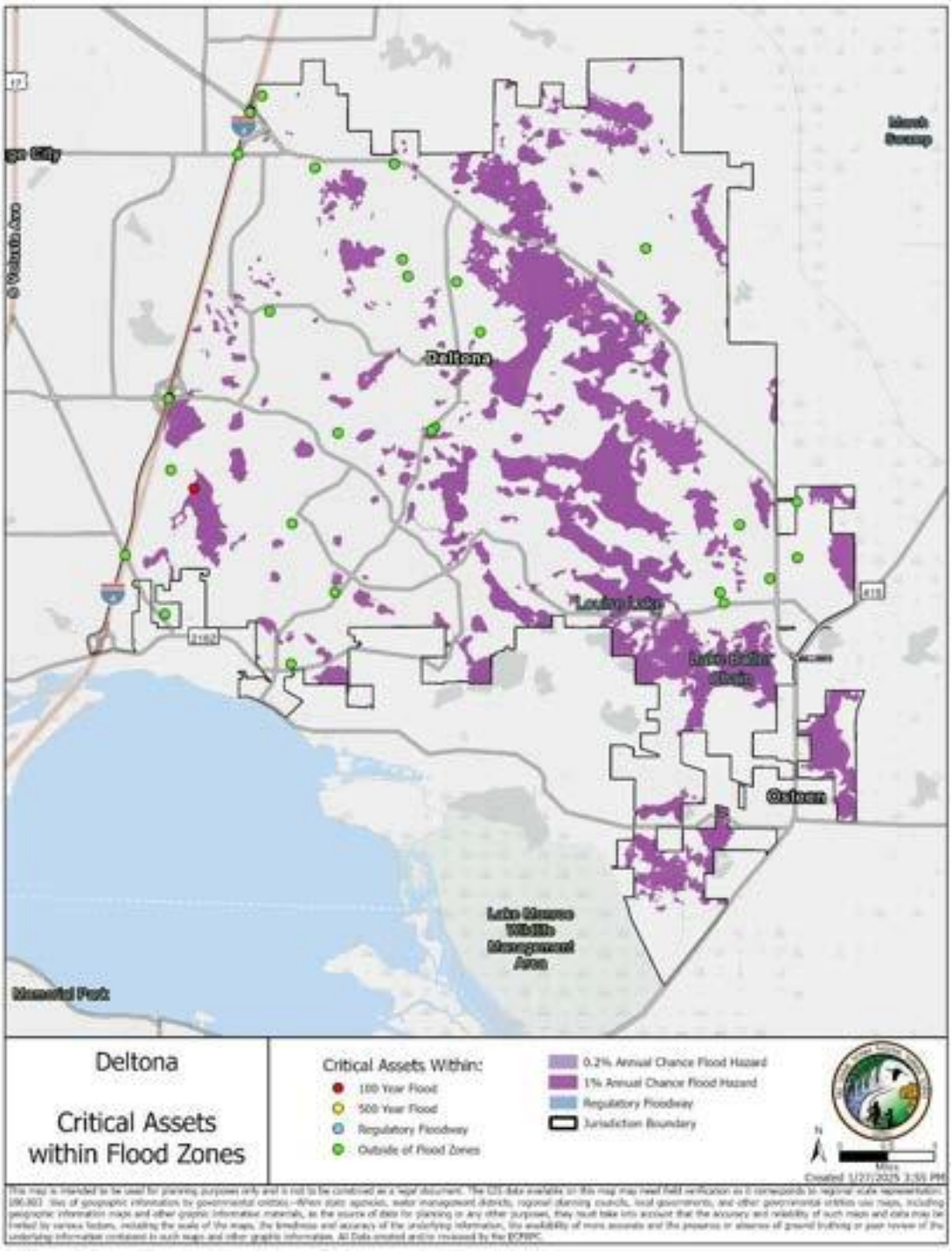
*Table 7: Deltona - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Academy Of Career Training** | Essential Facilities | 100-Year |

*Table 8: Deltona - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 13.77% |
| **Properties in the Floodplain** | 5,522 |
| **Exposed Acreage: Residential Future Land Use** | 21,742.91 |
| **Exposed Acreage: Commercial Future Land Use** | 942.59 |
| **Exposed Acreage: Mixed Use Future Land Use** | 803.46 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | N/A |
| **Exposed Acreage: Industrial Future Land Use** | N/A |
| **Total Exposure: Land Value** | $398,367,606 |
| **Total Exposure: Building Value** | $1,147,280,949 |
| **Total Exposure: Assessed Value** | $1,545,648,555 |
| **Total Exposure: Taxable Value** | $668,644,860 |

*Figure 5: Critical Assets with Flood Zone - Deltona*



## Edgewater

### *Floodplain Management Goals and Objectives*

Goal 1: Continue to maintain a floodplain management ordinance, which includes the development standards required for participation in the National Flood Insurance Program.

- Objective 1.1: New construction, or substantial improvement, of any residential structure shall have the lowest floor, including basement, elevated no less than one foot (1') above the base flood elevation or crown of the paved road whichever is greater, or 16 inches (16") above an unpaved road.
- Objective 1.2: Plans and designs for subdivisions shall minimize potential flood damage by locating recreation and conservation uses, if included in the plans, to areas within the Flood Zone, reserving as much land as possible outside the flood zone for other land uses. Flood zones shall be identified on all final development plans submitted to the City.

Goal 2: Strongly discourage development within flood prone areas is strongly discouraged and mitigate any adverse impacts to the surrounding area that may be related to drainage, public health or public safety.

- Objective 2.1: Encroachments within the published flood way will not be approved under any circumstances.
- Objective 2.2: Compensatory storage for 100-year flood plain encroachments shall be provided in accordance with the City requirements.
- Objective 2.3: Projects located near the coast should evaluate any flooding effects associated with both storm surge (FEMA Zones V and VE) and the freshwater flood (FEMA Zones A, AE, AH and AO).

Goal 3: Protect the natural function and values of the 100-year floodplain.

- Objective 3.1: 100-year floodplain shall be given high priority in the selection of conservation areas within the City and for public acquisition of lands for conservation and recreational purposes.
- Objective 3.2: Development within the 100 Year Floodplain shall provide necessary

mitigation to maintain the natural storm water flow regime.

- Objective 3.3: All new construction and substantial improvements of existing construction shall be constructed with materials and utility equipment resistant to flood damage and using methods and practices that will minimize flood damage and prevent the pollution of surface waters during a 100-year flood event.

Goal 4: Limit development in the Coastal High Hazard Area and direct population concentrations away from this area.

- Objective 4.1: No new public facilities shall be located in the Coastal High Hazard Areas other than those necessary to support the levels of service identified in the Capital Improvement Element and for overriding health and safety reasons.
- Objective 4.2: By December 2014, the City shall identify areas in the Coastal High Hazard Area needing redevelopment, including eliminating unsafe conditions and inappropriate uses as opportunities arise.
- Objective 4.3: No future land use amendments shall be approved within the Coastal High Hazard Area which will increase the previously permitted density.

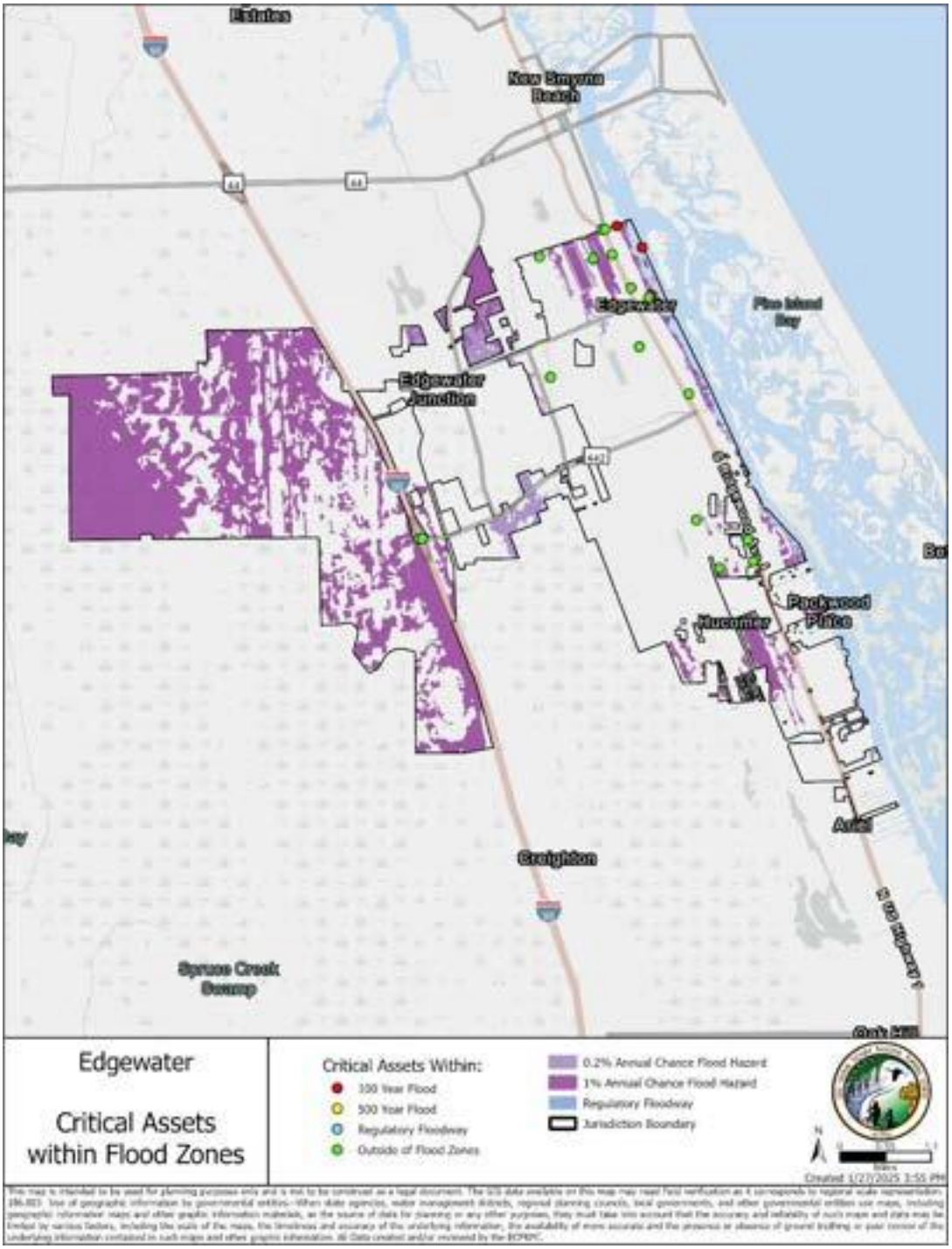
*Table 9: Edgewater - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Gabordys Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Edgewater Port Facility** | Transportation Systems | 100-Year |
| **Kennedy Park Waste Water System** | Utility Systems | 100-Year |

*Table 10: Edgewater - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 12.52% |
| **Properties in the Floodplain** | 1,564 |
| **Exposed Acreage: Residential Future Land Use** | 806.99 |
| **Exposed Acreage: Commercial Future Land Use** | 66.80 |
| **Exposed Acreage: Mixed Use Future Land Use** | 3,976.84 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 55.28 |
| **Exposed Acreage: Industrial Future Land Use** | 166.87 |
| **Total Exposure: Land Value** | $338,017,870 |
| **Total Exposure: Building Value** | $352,694,303 |
| **Total Exposure: Assessed Value** | $690,712,173 |
| **Total Exposure: Taxable Value** | $417,012,709 |

*Figure 6: Critical Assets with Flood Zone - Edgewater*



## Holly Hill

### *Floodplain Management Goals and Objectives*

Goal 1: Safeguard the public health, safety and general welfare and to minimize public and private losses due to flooding through regulation of development in flood hazard areas.

- Objective 1.1: Minimize unnecessary disruption of commerce, access and public service during times of flooding.
- Objective 1.2: require the use of appropriate construction practices in order to prevent or minimize future flood damage.
- Objective 1.3: Manage filling, grading, dredging, mining, paving, excavation, drilling operations, storage of equipment or materials and other development which may increase flood damage or erosion potential.
- Objective 1.4: Manage the alteration of flood hazard areas, watercourses and shorelines to minimize the impact of development on the natural and beneficial functions of the floodplain.
- Objective 1.5: Minimize damage to public and private facilities and utilities.
- Objective 1.6: Help maintain a stable tax base by providing for the sound use and development of flood hazard areas.
- Objective 1.7: Minimize the need for future expenditure of public funds for flood control projects and response to and recovery from flood events.
- Objective 1.8: Meet the requirements of the National Flood Insurance Program for community participation as set forth in the Title 44 Code of Federal Regulations, Section 59.22.

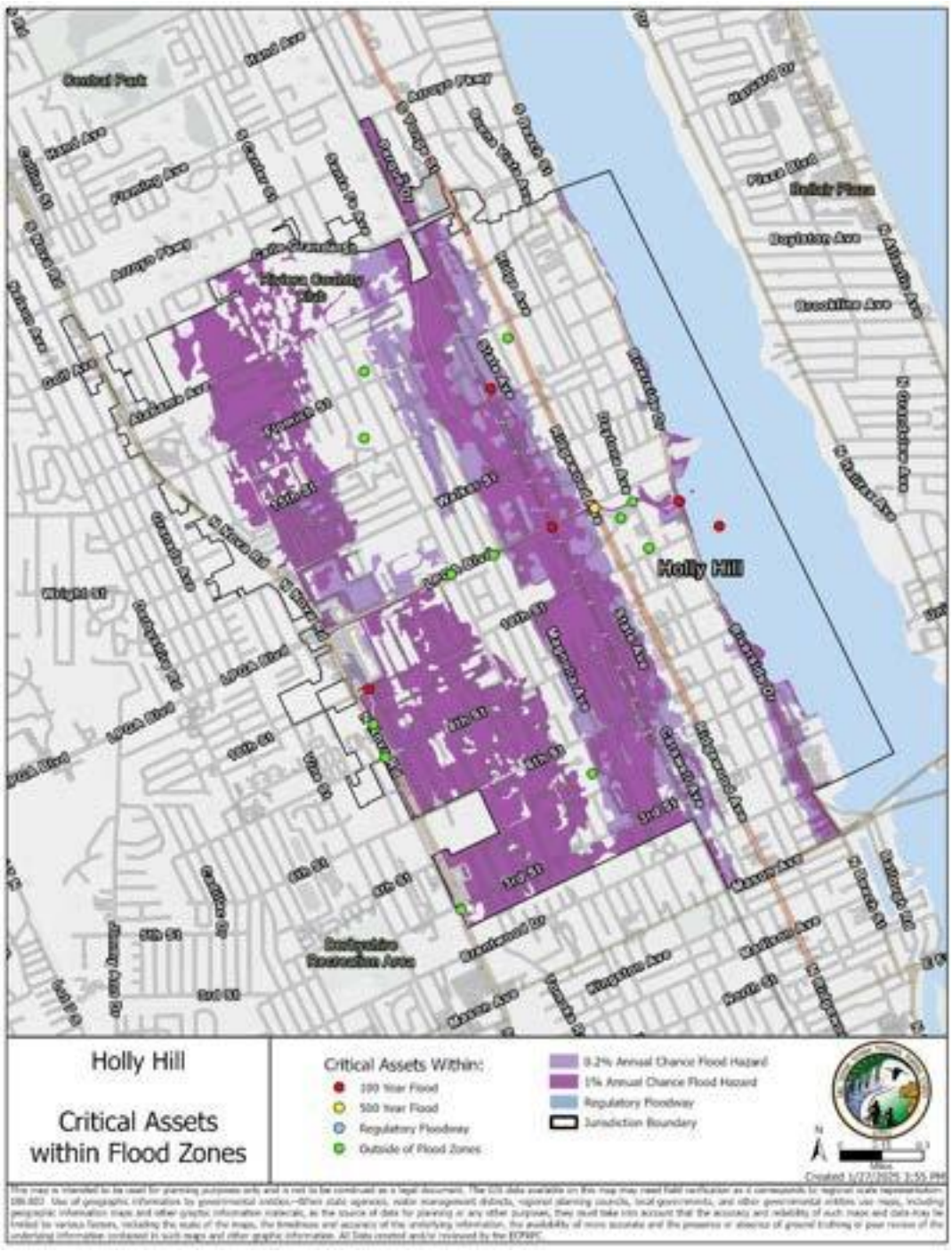
*Table 11: Holly Hill- Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Canal Highway Bridge** | Transportation Systems | 100-Year |
| **11th St. Canal Highway Bridge** | Transportation Systems | 500-Year |
| **Halifax Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Holly Hill Drinking Water Facility** | Utility Systems | 100-Year |
| **WAPN CH 218** | Utility Systems | 100-Year |

*Table 12: Holly Hill - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 57.93% |
| **Properties in the Floodplain** | 3,160 |
| **Exposed Acreage: Residential Future Land Use** | 603.81 |
| **Exposed Acreage: Commercial Future Land Use** | 69.36 |
| **Exposed Acreage: Mixed Use Future Land Use** | 8.30 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 27.98 |
| **Exposed Acreage: Industrial Future Land Use** | 222.08 |
| **Total Exposure: Land Value** | $191,432,996 |
| **Total Exposure: Building Value** | $564,359,250 |
| **Total Exposure: Assessed Value** | $755,792,246 |
| **Total Exposure: Taxable Value** | $502,823,799 |

*Figure 7: Critical Assets with Flood Zone - Holly Hill*



## Lake Helen

### *Floodplain Management Goals and Objectives*

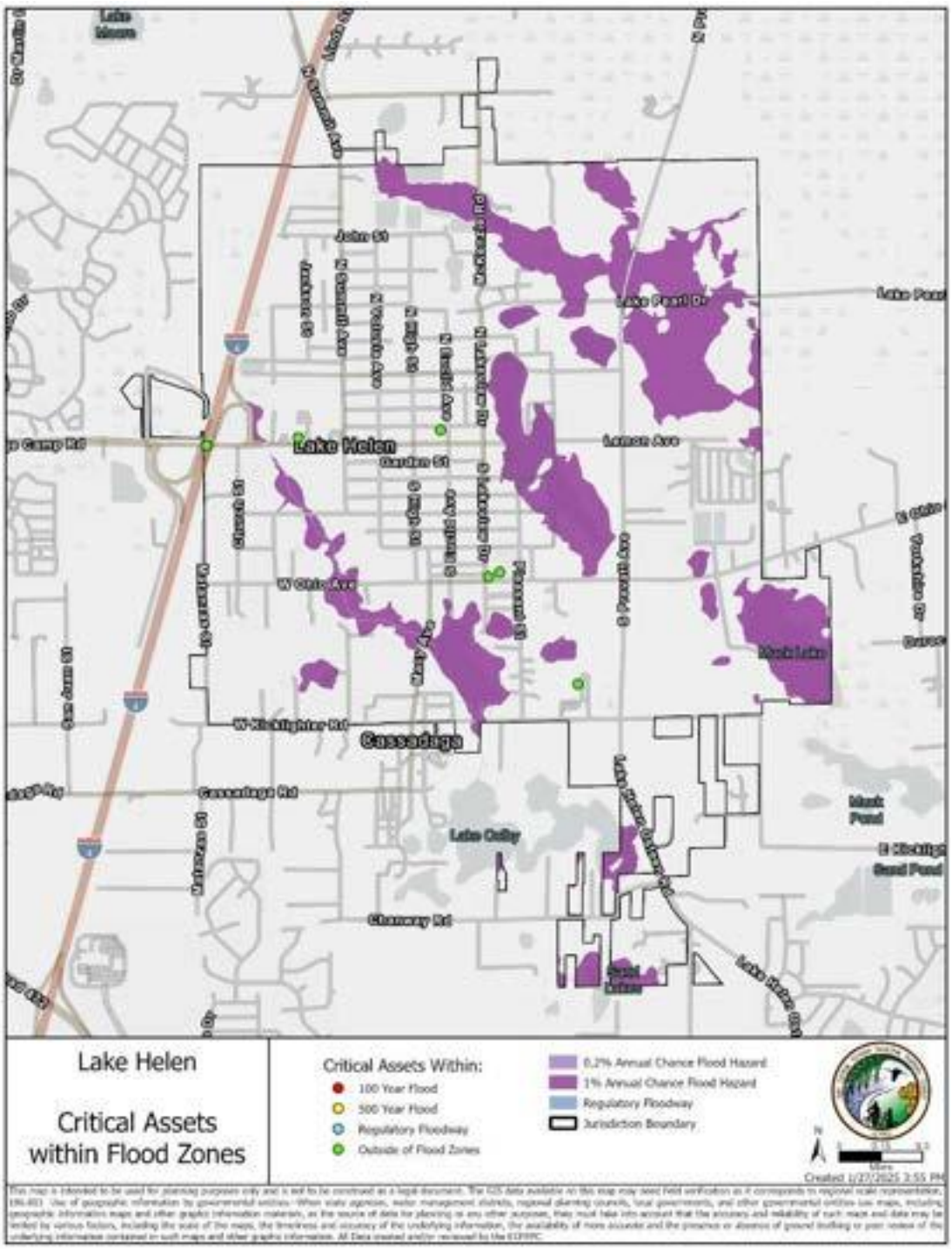
There are no additional goals to the countywide goals stated in the report.

There are no critical assets within the 100-year or 500-year flood zones.

*Table 13: Lake Helen - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 16.65% |
| **Properties in the Floodplain** | 288 |
| **Exposed Acreage: Residential Future Land Use** | 0 |
| **Exposed Acreage: Commercial Future Land Use** | 3.31 |
| **Exposed Acreage: Mixed Use Future Land Use** | 9.38 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 8.41 |
| **Exposed Acreage: Industrial Future Land Use** | N/A |
| **Total Exposure: Land Value** | $32,412,697 |
| **Total Exposure: Building Value** | $45,911,931 |
| **Total Exposure: Assessed Value** | $78,324,628 |
| **Total Exposure: Taxable Value** | $36,649,988 |

*Figure 8: Critical Assets with Flood Zone - Lake Helen*



## New Smyrna Beach

### *Floodplain Management Goals and Objectives*

Goal 1: Promote public health, safety and general welfare, and minimize public and private losses due to flood conditions in specific areas.

- Objective 1.1: Maintain the City's Community Rating System Classification.
- Objective 1.2: Provide flood protection information to residents.
- Objective 1.3: Coordinate and implement small and/or large-scale projects to help alleviate drainage and flood concerns.
- Objective 1.4: To protect human life, health and to eliminate or minimize property damage.
- Objective 1.5: require the use of appropriate construction practices in order to prevent or minimize future flood damage.
- Objective 1.6: Manage filling, grading, dredging, mining, paving, excavation, drilling operations, storage of equipment or materials and other development which may increase flood damage or erosion potential.
- Objective 1.7: Manage the alteration of flood hazard areas, watercourses and shorelines to minimize the impact of development on the natural and beneficial functions of the floodplain.
- Objective 1.8: To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public.
- Objective 1.9: To minimize prolonged business interruptions.
- Objective 1.10: To minimize damage to public facilities and utilities, such as water and gas mains, electric, telephone and sewer lines, streets, bridges and culverts located in floodplains.
- Objective 1.11: To maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blight areas.
- Objective 1.12: To endeavor to ensure that potential homebuyers are notified that property is in a flood hazard area.
- Objective 1.13: To help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blight

areas.

Goal 2: Create programs to manage the surface water runoff

- Objective 2.1: Develop/maintain storm water management plan.
- Objective 2.2: Develop alternative water supply on western city limits.

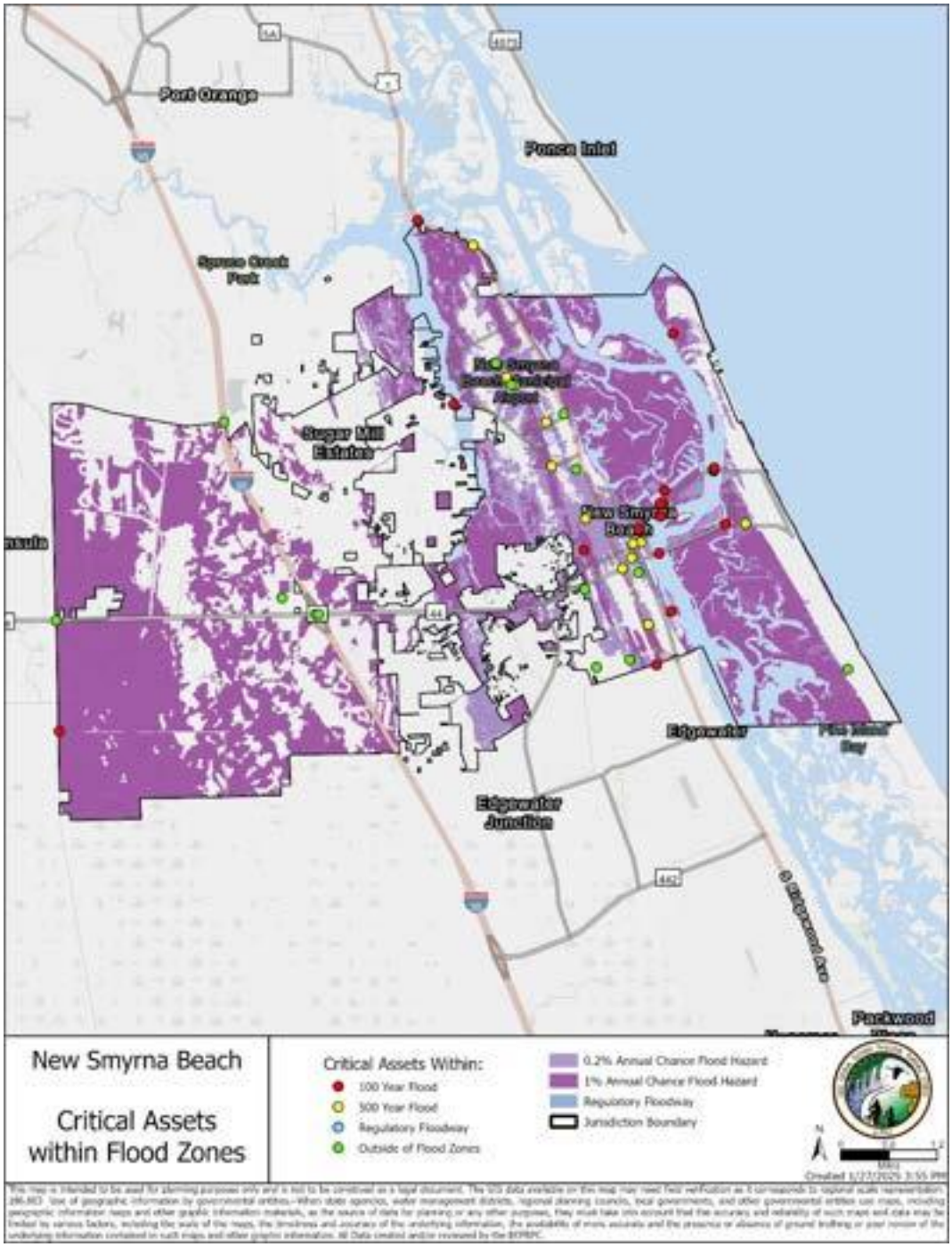
*Table 14: New Smyrna Beach - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **IWW Indian River Highway Bridge** | Transportation Systems | 100-Year |
| **Callalisa Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Spruce Creek S. Relief Highway Bridge** | Transportation Systems | 100-Year |
| **Spruce Creek S. Relief Highway Bridge** | Transportation Systems | 100-Year |
| **Murray Creek Highway Bridge** | Transportation Systems | 500-Year |
| **US-1 & FECRR Highway Bridge** | Transportation Systems | 500-Year |
| **Berrys Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Conners Canal Highway Bridge** | Transportation Systems | 100-Year |
| **IWW Indian River Highway Bridge** | Transportation Systems | 100-Year |
| **Brando Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Yacht Club Cut Highway Bridge** | Transportation Systems | 100-Year |
| **Samsula Canal Highway Bridge** | Transportation Systems | 100-Year |
| **New Smyrna Beach Municipal Port** | Transportation Systems | 100-Year |
| **Shrimp Docks New Smyrna Bch** | Transportation Systems | 100-Year |
| **New Smyrna Beach Municipal Airport** | Transportation Systems | 500-Year |
| **New Smyrna Beach Electric Substation** | Utility Systems | 100-Year |
| **WSBB 1230** | Utility Systems | 100-Year |
| **Read-Pattillo Elementary School** | Essential Facilities | 500-Year |
| **Knight's Christian Academy** | Essential Facilities | 500-Year |
| **Chisholm Elementary School** | Essential Facilities | 500-Year |
| **Bethel Christian Academy** | Essential Facilities | 100-Year |
| **New Smyrna Beach Police Department** | Essential Facilities | 500-Year |
| **Volusia County Sheriff - Civil Division** | Essential Facilities | 500-Year |
| **New Smyrna Beach Fire and Rescue Fire...** | Essential Facilities | 500-Year |
| **New Smyrna Beach Fire Department** | Essential Facilities | 500-Year |

*Table 15: New Smyrna Beach - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 54.72% |
| **Properties in the Floodplain** | 10.556% |
| **Exposed Acreage: Residential Future Land Use** | 2,846.42% |
| **Exposed Acreage: Commercial Future Land Use** | 406.93% |
| **Exposed Acreage: Mixed Use Future Land Use** | 313.81% |
| **Exposed Acreage: PD Future Land Use** | 2,061.65% |
| **Exposed Acreage: Institutional Future Land Use** | 404.49% |
| **Exposed Acreage: Industrial Future Land Use** | 303.1% |
| **Total Exposure: Land Value** | $2,015,156,071 |
| **Total Exposure: Building Value** | $3,271,039,853 |
| **Total Exposure: Assessed Value** | $5,286,195,924 |
| **Total Exposure: Taxable Value** | $3,238,539,783 |

*Figure 9: Critical Assets with Flood Zone - New Smyrna Beach*



## Oak Hill

### *Floodplain Management Goals and Objectives*

There are no additional goals to the countywide goals stated in the report.

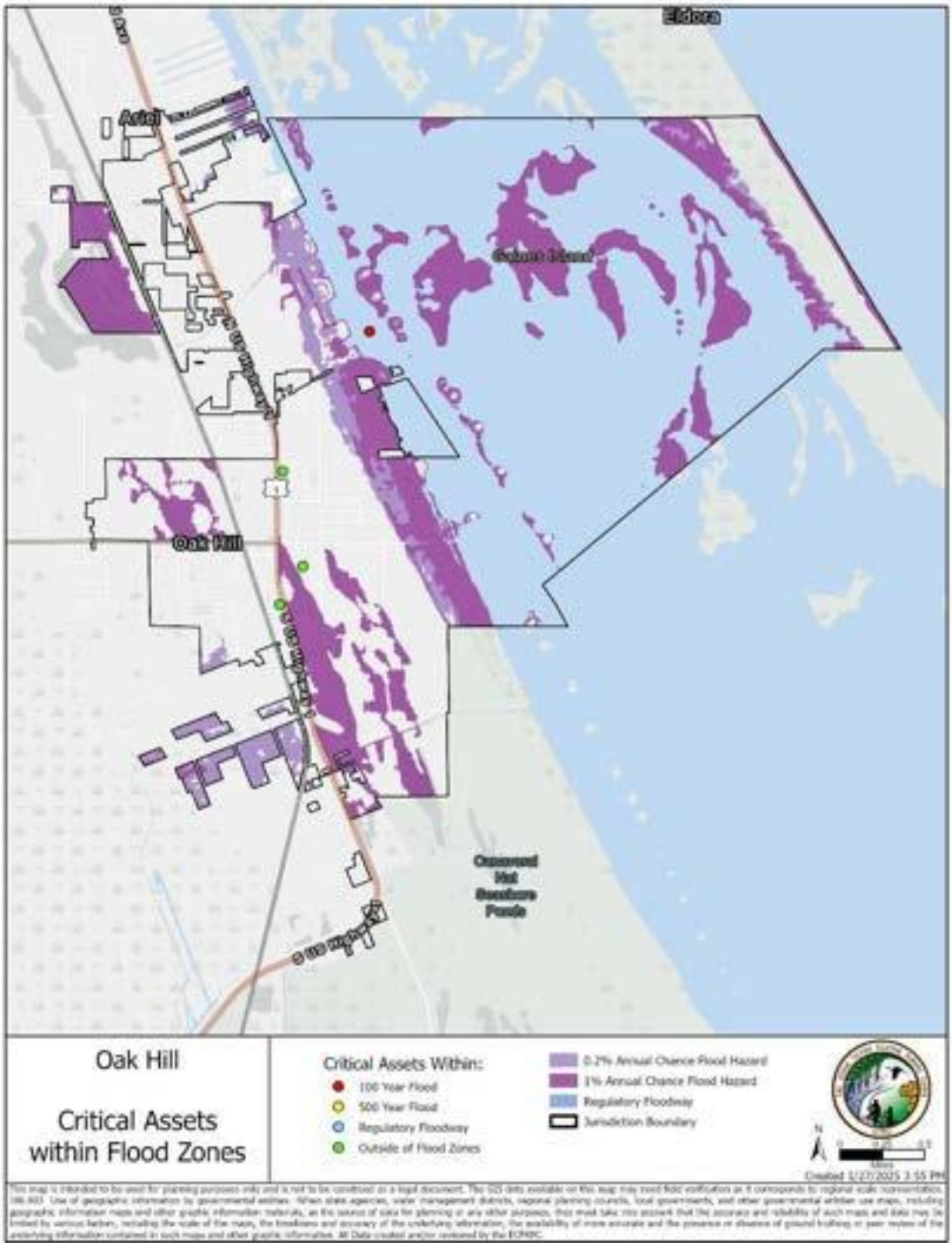
*Table 16: Oak Hill - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Fish Dock** | Transportation Systems | 100-Year |

*Table 17: Oak Hill - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 48.5% |
| **Properties in the Floodplain** | 891 |
| **Exposed Acreage: Residential Future Land Use** | 650.58 |
| **Exposed Acreage: Commercial Future Land Use** | 59.45 |
| **Exposed Acreage: Mixed Use Future Land Use** | 0 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 21.1 |
| **Exposed Acreage: Industrial Future Land Use** | 7.59 |
| **Total Exposure: Land Value** | $142,084,167 |
| **Total Exposure: Building Value** | $125,928,956 |
| **Total Exposure: Assessed Value** | $268,013,123 |
| **Total Exposure: Taxable Value** | $143,174,110 |

*Figure 10: Critical Assets with Flood Zone - Oak Hill*



## Orange City

***Floodplain Management Goals and Objectives***

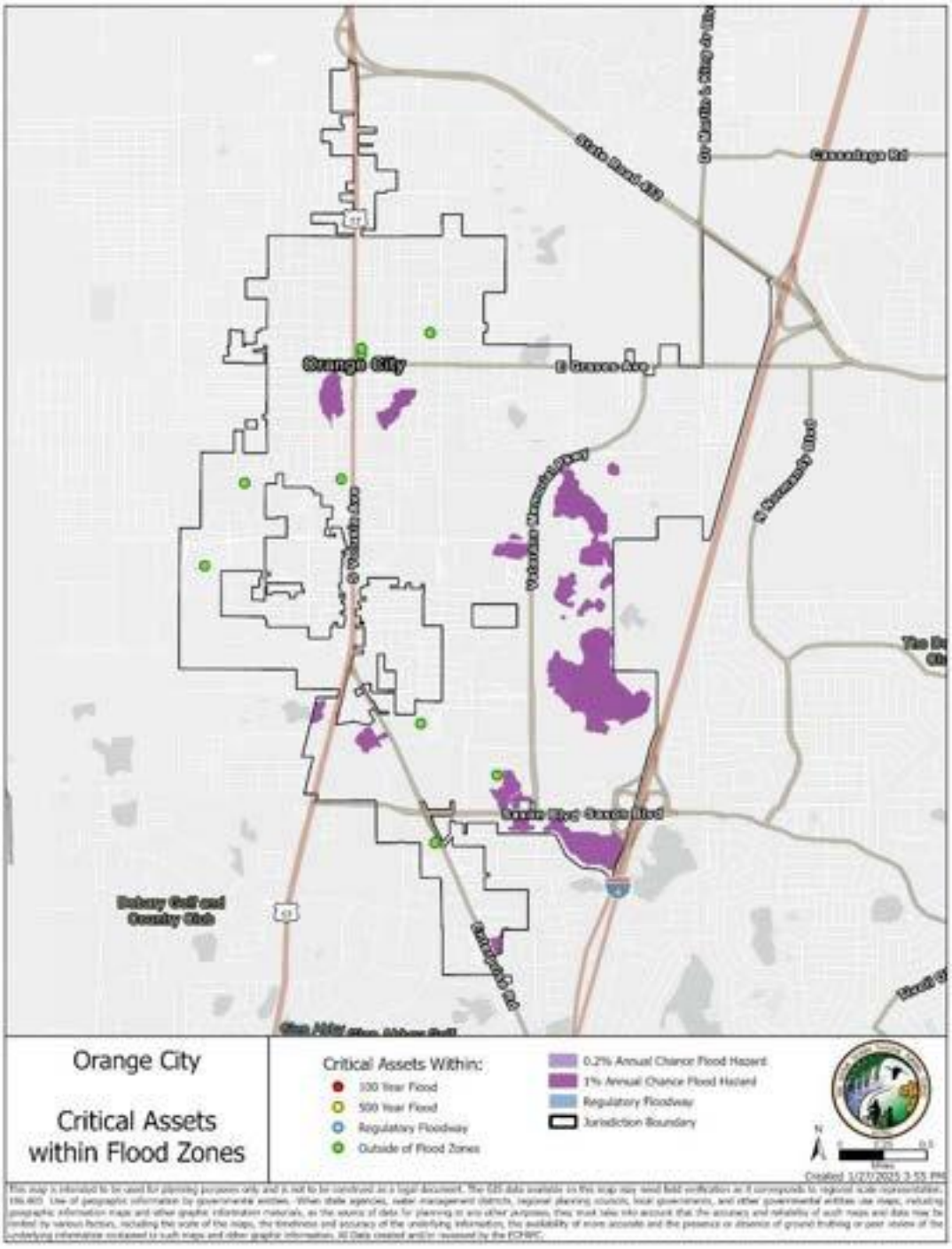
There are no additional goals to the countywide goals stated in the report.

There are no critical assets within the 100-year or 500-year flood zones.

*Table 18: Orange City - Floodplain Exposure Analysis*

| Exposure | Value |
|---|---|
| **Percent of Properties in the Floodplain** | 1.59% |
| **Properties in the Floodplain** | 74 |
| **Exposed Acreage: Residential Future Land Use** | 32.43 |
| **Exposed Acreage: Commercial Future Land Use** | 21.98 |
| **Exposed Acreage: Mixed Use Future Land Use** | 223.1 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 0 |
| **Exposed Acreage: Industrial Future Land Use** | 1.11 |
| **Total Exposure: Land Value** | $46,406,822 |
| **Total Exposure: Building Value** | $208,269,347 |
| **Total Exposure: Assessed Value** | $254,676,169 |
| **Total Exposure: Taxable Value** | $131,349,031 |

*Figure 11: Critical Assets with Flood Zone - Orange City*



## Ormond Beach

### *Floodplain Management Goals and Objectives*

Goal 1: Promote the public health, safety and general welfare, and to minimize public and private losses due to flooding through the regulation of development in flood hazard areas.

- Objective 1.1: Protect human life and health.
- Objective 1.2: Minimize or eliminate property damage.
- Objective 1.3: Minimize the need for future expenditure of public money for costly flood control projects and response to and recovery from flood events.
- Objective 1.4: Minimize unnecessary disruption of commerce, access and public service during times of flooding; Objective: Minimize damage to public and private facilities and utilities located in areas of special flood hazard.
- Objective 1.5: Help maintain a stable tax base by providing for the sound use and development of flood hazard area.
- Objective 1.6: Ensure that potential buyers are notified that property is in an area of special flood hazard.
- Objective 1.7: Require the use of appropriate construction practices in order to prevent or minimize future flood damage.
- Objective 1.8: Manage the alteration of flood hazard areas, watercourses, and shorelines to minimize the impact of development on the natural and beneficial functions of the floodplain.

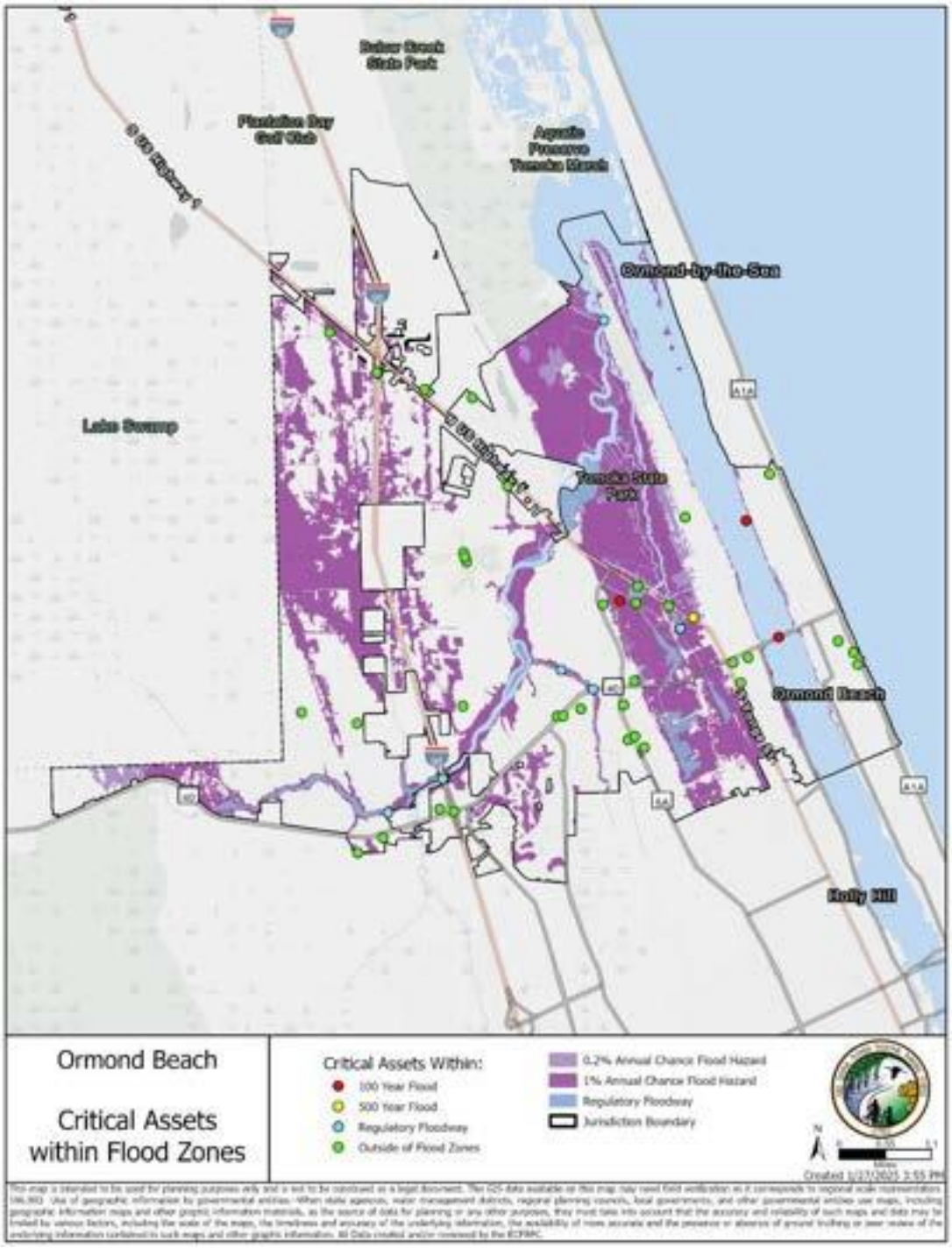
*Table 19: Ormond Beach - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Halifax River IWW Highway Bridge** | Transportation Systems | 100-Year |
| **Ormond Beach Waste Water System** | Utility Systems | 100-Year |
| **Ormond Beach Fire Department Station 93** | Essential Facilities | 500-Year |

*Table 20: Ormond Beach - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 25.29% |
| **Properties in the Floodplain** | 5,093 |
| **Exposed Acreage: Residential Future Land Use** | 2,086.27 |
| **Exposed Acreage: Commercial Future Land Use** | 289.64 |
| **Exposed Acreage: Mixed Use Future Land Use** | 1,679.42 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 149.60 |
| **Exposed Acreage: Industrial Future Land Use** | 196.74 |
| **Total Exposure: Land Value** | $993,429,590 |
| **Total Exposure: Building Value** | $1,999,859,870 |
| **Total Exposure: Assessed Value** | $2,993,289,460 |
| **Total Exposure: Taxable Value** | $2,032,959,092 |

*Figure 12: Critical Assets with Flood Zone - Ormond Beach*



## Pierson

### *Floodplain Management Goals and Objectives*

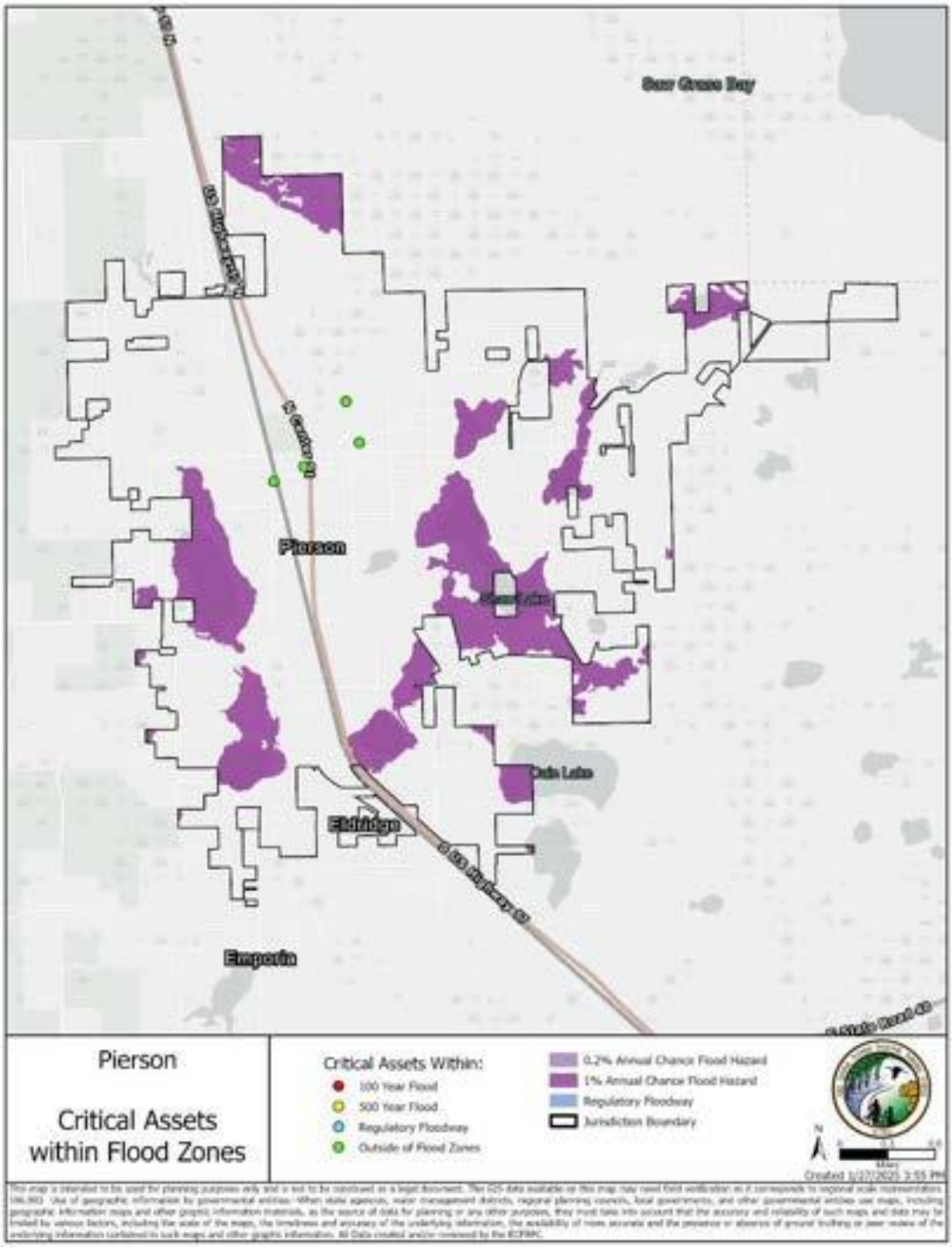
There are no additional goals to the countywide goals stated in the report.

There are no critical assets within the 100-year or 500-year flood zones.

*Table 21: Pierson - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 12.72% |
| **Properties in the Floodplain** | 163 |
| **Exposed Acreage: Residential Future Land Use** | 31.69 |
| **Exposed Acreage: Commercial Future Land Use** | 0 |
| **Exposed Acreage: Mixed Use Future Land Use** | N/A |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 149.60 |
| **Exposed Acreage: Industrial Future Land Use** | 196.74 |
| **Total Exposure: Land Value** | $18,748,996 |
| **Total Exposure: Building Value** | $18,966,907 |
| **Total Exposure: Assessed Value** | $37,715,903 |
| **Total Exposure: Taxable Value** | $17,576,761 |

*Figure 13: Critical Assets with Flood Zone - Pierson*



## Ponce Inlet

### *Floodplain Management Goals and Objectives*

Goal 1: Conserve, protect, and restore coastal natural resources to maintain and enhance native habitats, floral and faunal species diversity, water quality, and natural surface water characteristics: and preserve and expand opportunities for the general public to access, use and enjoy the ocean beaches, the Halifax River, and other natural resource areas with passive and active recreational potential.

- Objective 1.1: Ensure the long-term protection, restoration and enhancement of the natural upland and wetland habitats of the coastal area, particularly areas identified as critical habitat for threatened and endangered species and species of special concern, through cooperation and coordination with federal, state and regional agencies, as well as Volusia County and adjoining coastal municipalities.
- Objective 1.2: Protect, conserve and enhance coastal resource wetlands, wildlife habitat and living marine resources by continued implementation of the LUDC's development regulations.
- Objective 1.3: The town shall permit the use of limited shoreline land areas based on type of water-dependent use, adjacent land use, water quality, impact on critical habitat and coastal resources and in accordance with the priorities for shoreline uses set forth in Policy 1.3.1.
- Objective 1.4: The town shall develop strategies to lessen the impact of a destructive storm on human life, property, public facilities and natural resources.
- Objective 1.5: Population concentrations shall be directed away from the Coastal High Hazard Area* (CHHA).
- Objective 1.6: Public facilities shall be prohibited that will encourage new development inside the CHHA, unless the facilities are consistent with policies specifically identified in this Comprehensive Plan.
- Objective 1.7: Prior to the development of public facilities in the CHHA, it shall be determined that there are no other feasible sites outside said area.
- Objective 1.8: If constructed, all public facilities in the CHHA shall be flood-proofed to ensure minimum damage from storms and hurricanes.
- Objective 1.9: The town shall regulate development that could impact natural dune systems by requiring developments to provide a plan that addresses that avoids

disturbance to dunes if possible, and provides dune protection and stabilization measures, flood-proofing of utilities and requirements for structural wind resistance and floodplain management; Policy 1.4.6 - All development in the Hurricane Vulnerability Zone (HVZ) shall be consistent with the federal flood hazard requirements; Policy 1.4.7 - The town shall continue to participate in the National Flood Insurance Program (NFIP); Policy 1.4.8 - Any reconstruction or repair of the infrastructure necessitating state funds shall be designed to minimize potential damage (i.e., wind and/or flooding) from hurricanes or other storms; Policy 1.4.9 - The town, in accordance with Federal Emergency Management Agency requirements, shall adopt and implement a mitigation plan to reduce damage in areas of repetitive loss due to flooding; Policy 1.4.10 - The town shall continue to participation in the county's Emergency Management Service's "Local Mitigation Strategy" (LMS), as necessary and appropriate, through capital improvements programming and land development regulations in order to establish a continuing program of hurricane mitigation.

- Objective 1.10: In conjunction with Port Orange, Volusia County and Daytona Beach Shores, the town shall ensure that it maintains hurricane evacuation times at no more than 16 hours from the time of the first official order to evacuate during a Category 5 storm event as measured on the Saffir-Simpson scale prior to the consideration of any proposals to amend a Future Land Use designation that has the effect of increasing residential density in the community.

Goal 2: Protect, enhance, and restore the natural function of the beach and dune system.

- Objective 2.1: The town will continue to administer and enforce its comprehensive dune management program for the purpose of preserving and enhancing the existing dunes and stabilizing vegetation.
- Objective 2.2: The town shall coordinate with the East Central Florida Regional Planning Council, Volusia County and other coastal cities, as appropriate, in continually evaluating the long-term problems related to post-disaster redevelopment.

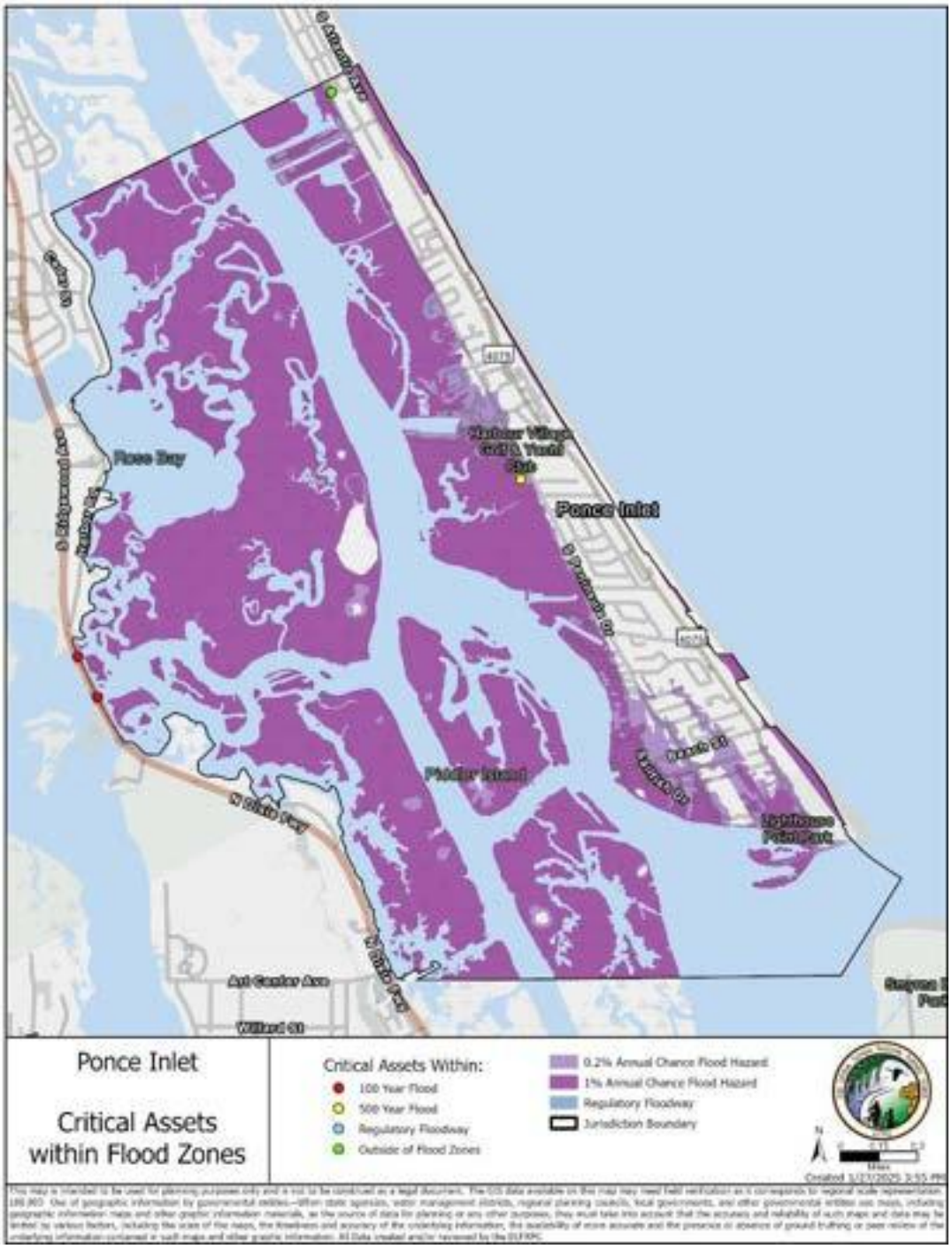
*Table 22: Ponce Inlet - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Spruce Creek N. Relief Highway Bridge** | Transportation Systems | 100-Year |
| **Spruce Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Ponce Inlet Fire Rescue Department** | Essential Facilities | 500-Year |

*Table 23: Ponce Inlet - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 52.47% |
| **Properties in the Floodplain** | 1,083 |
| **Exposed Acreage: Residential Future Land Use** | 163.20 |
| **Exposed Acreage: Commercial Future Land Use** | 30.83 |
| **Exposed Acreage: Mixed Use Future Land Use** | N/A |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 74.28 |
| **Exposed Acreage: Industrial Future Land Use** | N/A |
| **Total Exposure: Land Value** | $326,817,306 |
| **Total Exposure: Building Value** | $357,079,118 |
| **Total Exposure: Assessed Value** | $683,896,424 |
| **Total Exposure: Taxable Value** | $450,947,795 |

*Figure 14: Critical Assets with Flood Zone - Ponce Inlet*



## Port Orange

### *Floodplain Management Goals and Objectives*

Goal 1: Provide an efficient and effective drainage and storm water management system which, to the maximum extent practical, protects persons and property from flooding, prevents negative impacts to the groundwater aquifer, and safeguards surface waters against erosion and degradation of quality.

- Objective 1.1*:* To provide a storm water management level-of-service that will eliminate existing local flooding during the 25-year, 24-hour storm, and require all new development to provide storm water management facilities based on a 25-year, 24-hour storm event.
    - *Policy:* Continue to utilize the Port Orange Master Drainage Plan, which establishes high water elevations, addresses existing deficiencies, and coordinates the construction of new facilities.
    - *Policy:* Utilize the full carrying capacity of the existing culverts and ditches. The City will perform annual inspections of system elements to ascertain whether ditches have been maintained and culverts cleaned.
    - *Policy:* Review on a yearly basis the priorities for replacement, correction of facility deficiencies, and provision of future drainage facility needs. These priorities will be based on those facilities that: 1) have failed or have a high probability of failure; and 2) will meet future capacity needs. The City shall establish a construction schedule for identified improvements in order to meet the future needs of flood control and storm water management.

Goal 2: Lessen the impact of a destructive storm on human life, property, public facilities and natural resources.

- Objective 2.1: To utilize land development regulations that minimizes danger to life and property.
    - *Policy:* If constructed, all public facilities in the Coastal High Hazard Area, where necessary and appropriate, shall be flood-proof to ensure minimum damages from storms and hurricanes.
    - *Policy:* City utility infrastructure shall be designed to withstand floods and wind damage associated with major storms and hurricanes. Furthermore, the City shall require, where necessary and appropriate, that electric,

telephone, television cable, and other private utility infrastructure be designed to withstand flood and storm damage.

- *Policy:* Incorporate the recommendations of the Comprehensive Emergency Management Plan and the Local Mitigation Strategy (LMS), and other relevant interagency reports and agreements into the Comprehensive Plan and Land Development Code, as appropriate.
- *Policy:* Continue to participate in the county-wide Local Mitigation Strategy (LMS) program and implement the LMS, as necessary and appropriate, through capital improvements programming; *Policy:* Continue to participate in the National Flood Insurance Program (NFIP).
- *Policy:* Continue to pursue the improvement of Port Orange's insurance rating under the NFIP Community Rating System.

Goal 3: Conserve, protect, manage, restore, and enhance the City's air, water, and soil resources to maintain a living environment that supports a healthy population and does not cause illness.

- Objective 3.1*:* To protect, enhance and improve the ambient water quality of surface waters within the city.
  - *Policy:* On-site waste treatment system facilities and drain fields shall not be located within 75 feet of the 100-year floodplain; within 75 feet of an upland/wetland interface; or within 120 feet of the mean high-water mark of any surface water body, whichever is greater. On-site waste treatment systems should be located as far inland from a water body or wetland as possible.

Goal 4: Conserve, protect, manage, restore, and enhance the functional, aesthetic, and qualitative value of the natural environment for the benefit of present and future generations.

- Objective 4.1*:* To protect the natural function of the 100-year floodplains of Spruce Creek, the Halifax River, and their tributaries. In accordance with the provisions of the Comprehensive Plan, the City shall enforce development regulations to maintain the capability of floodplains to carry, store and filter flood waters.
  - *Policy:* Continue the use of the Conservation land use designation, as well as the Floodplain-Conservation (F-C) Zoning District, to protect the natural functions of floodplains and shorelines.

- *Policy:* Floodplains whose functional values have been degraded or destroyed through human intervention should be restored, if possible, through the public acquisition of historic floodplain lands. Various state, regional, and local acquisition programs shall be used for this purpose.
- *Policy:* No fill will be allowed in the Floodplain-Conservation (F-C) Zoning District that will decrease the flood carrying capacity of the riverine floodplain.
- *Policy:* No fill will be allowed in isolated floodplain pockets that will decrease the flood storage capacity of depressional wetlands.
- *Policy:* If any filling of land occurs during site design such that the volume of floodplain storage would be reduced, an equal volume of soil shall be excavated within the same floodplain to provide compensatory storage.
- *Policy:* Ensure that fill material or other structures do not adversely obstruct the natural movement of floodwater overland sheet flow or pose a threat to the public health, safety, and welfare.
- *Policy:* Encourage the development of a strict floodplain management program by state, regional, and local governments designed to preserve hydrologically significant wetlands and other natural floodplain features.

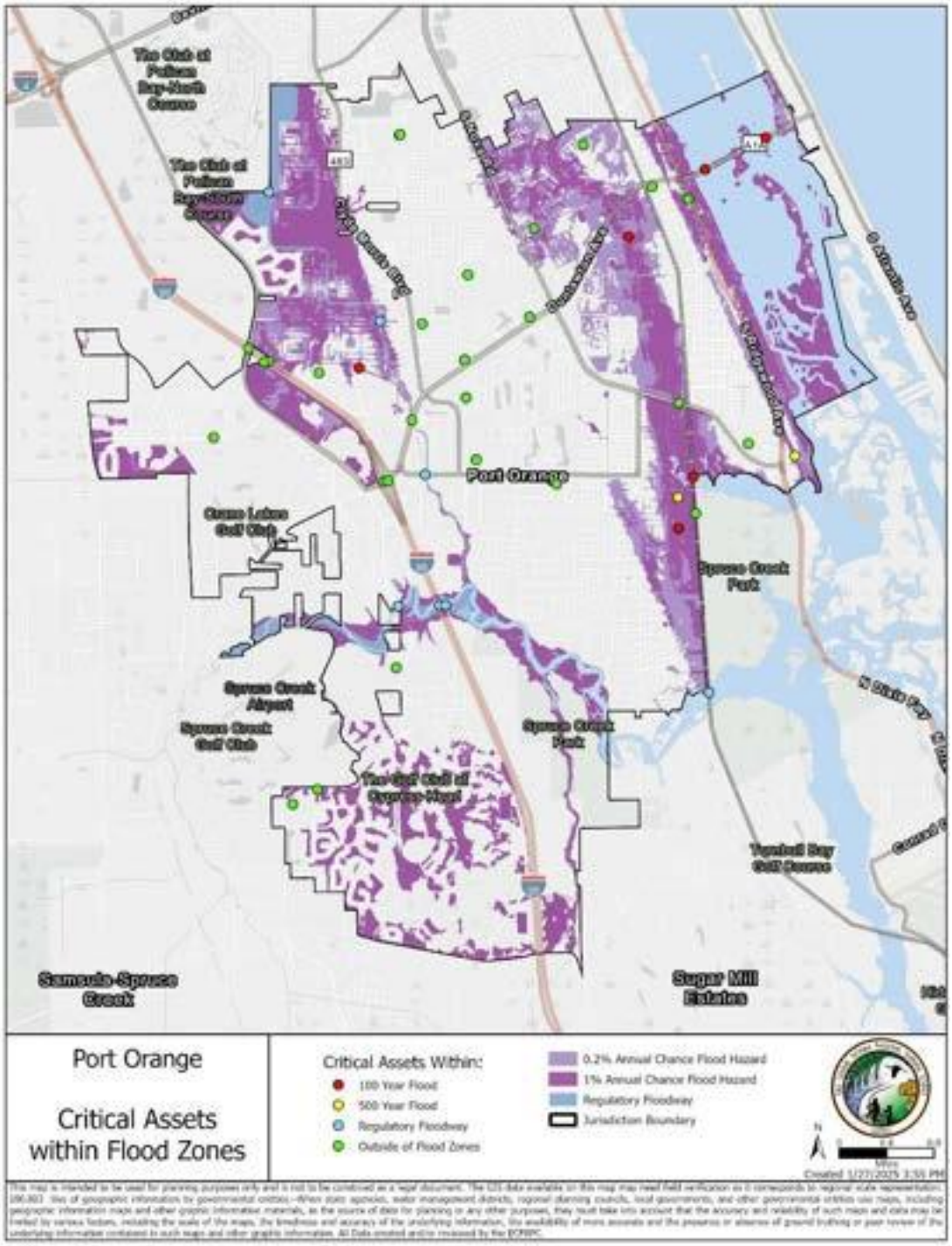
*Table 24: Port Orange - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **B-19 Canal / Trib 1 Highway Bridge** | Transportation Systems | 100-Year |
| **Cambridge Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Rose Bay Canal Highway Bridge** | Transportation Systems | 500-Year |
| **Halifax River Highway Bridge** | Transportation Systems | 100-Year |
| **IWW Halifax River Highway Bridge** | Transportation Systems | 100-Year |
| **Florida East Coast; Stream/River Highway Bridge** | Transportation Systems | 100-Year |
| **Port Orange Drinking Water Facility** | Utility Systems | 100-Year |
| **Port Orange Fire Rescue Department** | Essential Facilities | 500-Year |

*Table 25: Port Orange - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 34.22% |
| **Properties in the Floodplain** | 8,567 |
| **Exposed Acreage: Residential Future Land Use** | 2,561.51 |
| **Exposed Acreage: Commercial Future Land Use** | 204.38 |
| **Exposed Acreage: Mixed Use Future Land Use** | 66.27 |
| **Exposed Acreage: PD Future Land Use** | 235.82 |
| **Exposed Acreage: Institutional Future Land Use** | 141.5 |
| **Exposed Acreage: Industrial Future Land Use** | 196.65 |
| **Total Exposure: Land Value** | $908,860,231 |
| **Total Exposure: Building Value** | $2,120,287,570 |
| **Total Exposure: Assessed Value** | $3,029,147,801 |
| **Total Exposure: Taxable Value** | $1,859,130,800 |

*Figure 15: Critical Assets with Flood Zone - Port Orange*



## South Daytona

### *Floodplain Management Goals and Objectives*

Goal 1: To protect human life and health through preparedness of emergency response teams from the Fire, Police and Public Works Departments.

Goal 2: Provide leadership in protecting residential properties and businesses from the impacts of floods by coordinating historical data with updated storm water management studies to identify possible flooding concerns.

Goal 3: To minimize the need for rescue and relief efforts associated with flooding and generally undertaken at the expense of the general public with proper planning and cost-effective storm water improvements.

Goal 4: To minimize damage to public facilities and utilities such as water and gas mains, electric, telephone and sewer lines, streets and bridges located in floodplains through hardening facilities and Public Works Department preparedness.

Goal 5: To help maintain a stable tax base by providing for the sound use and development of flood prone areas in such a manner as to minimize flood blighted areas.

Goal 6: Provide advice and assistance to property owners by the Floodplain Manager and Chief Building Official concerning the protection of their properties from flooding.

Goal 7: Maintain a Public awareness program that informs all property owners in the flood zones that they are in a flood zone through mail- outs and website postings.

Goal 8: Maintain an aggressive grant program to identify and obtain funding for both pre and post disaster mitigation projects through the Community Development and the Ridgewood Corridor Re-Development Departments.

Goal 9: Create programs to manage the surface water runoff through maintaining an updated storm water management plan through the Public Works Department in conjunction with the Floodplain Manager and Chief Building Official.

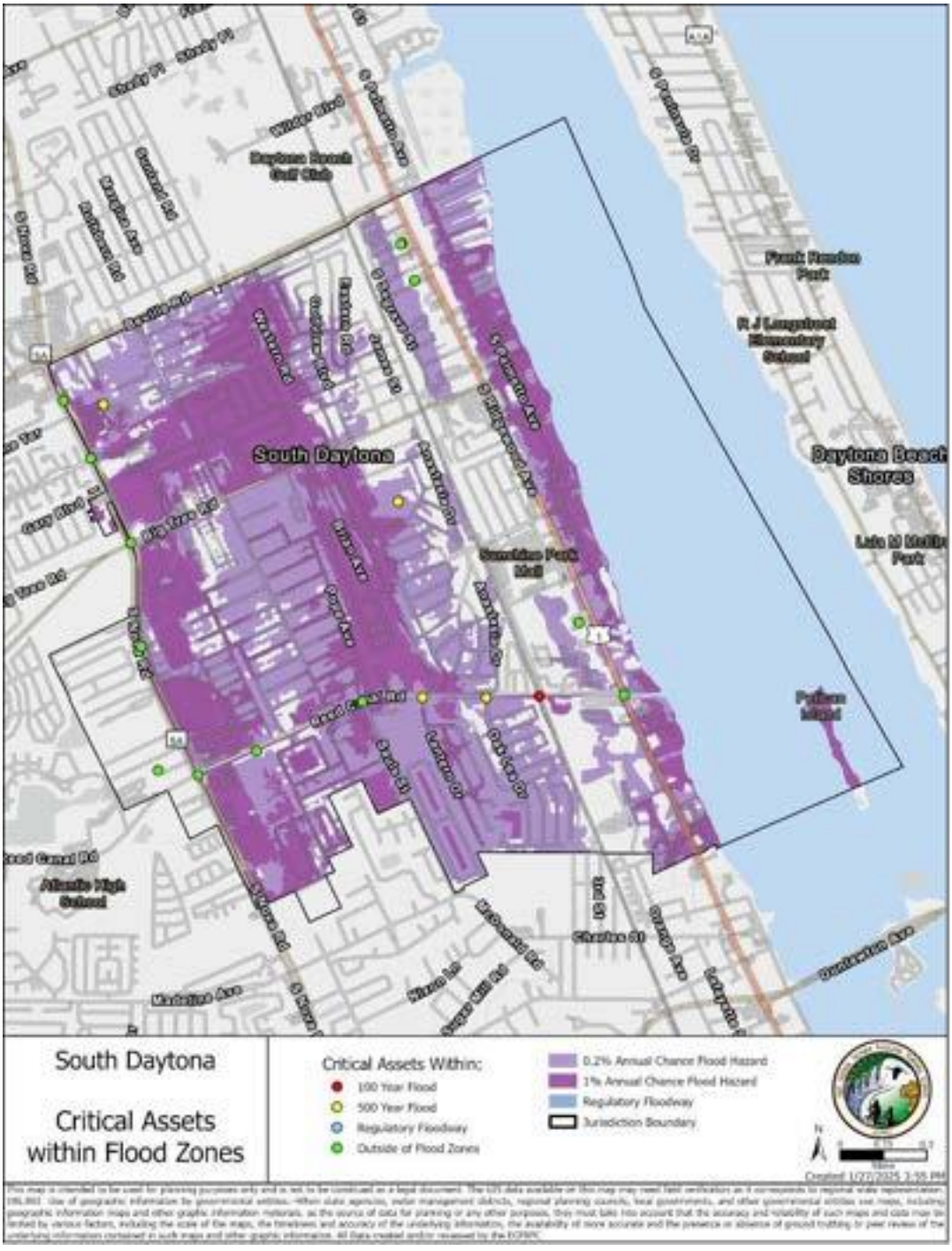
*Table 26: South Daytona - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Reed Canal Highway Bridge** | Transportation Systems | 500-Year |
| **Blue Jay Academy** | Essential Facilities | 500-Year |
| **South Daytona Elementary School** | Essential Facilities | 500-Year |

*Table 27: South Daytona - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 79.74% |
| **Properties in the Floodplain** | 4,311 |
| **Exposed Acreage: Residential Future Land Use** | 951.22 |
| **Exposed Acreage: Commercial Future Land Use** | 46.12 |
| **Exposed Acreage: Mixed Use Future Land Use** | 120.73 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 42.89 |
| **Exposed Acreage: Industrial Future Land Use** | 72.33 |
| **Total Exposure: Land Value** | $338,613,235 |
| **Total Exposure: Building Value** | $946,397,817 |
| **Total Exposure: Assessed Value** | $1,285,011,052 |
| **Total Exposure: Taxable Value** | $765,792,886 |

*Figure 16: Critical Assets with Flood Zone - South Daytona*



## Unincorporated Volusia

### *Floodplain Management Goals and Objectives*

Goal 1: Reduce future floodplain impacts due to development.

- Objective 1.1: Review and update existing regulations to enhance practices related to stormwater management, flood hazard management, resiliency, and sea level rise.
- Objective 1.2: Continue to enforce enhanced building and development requirements identified in the Flood Hazard and Stormwater Management Ordinances and not allow variances that are feasibly avoidable.

Goal 2: Protect natural areas identified as green infrastructure for flood mitigation.

- Objective 2.1: Continue to utilize Volusia Forever, the small lot acquisition program, and other funding sources to conserve areas identified as Natural Critical Assets vulnerable to sea level rise and flooding.
- Objective 2.2: Continue to enforce protection standards of environmentally sensitive lands, as identified in the Comprehensive Plan and Chapter 72 Land Planning Code, to maximize their inherent mitigation attributes and reduce known flood hazards.

Goal 3: Prioritize capital projects to mitigate current and future flood impacts.

- Objective 3.1: Update and complete basin studies for all watersheds.
- Objective 3.2: Identify priority projects for funding to alleviate current and future impacts.
- Objective 3.3: Utilize the “Volusia Prepares” Local Mitigation Strategy as a tool for funding and prioritization needs.
- Objective 3.4: Maintain a Vulnerability Assessment report to identify critical assets that are within areas identified as at risk from flooding and sea level rise.

Goal 4: Educate the public on current and future flood hazards, resiliency and resources.

- Objective 4.1: Update the Volusia Multi-Jurisdictional Program for Public Information to include additional focus on resiliency.
- Objective 4.2: Update existing educational resources and websites to provide engaging, vital, and simplified information.

- Objective 4.3: Continue resiliency outreach through the Volusia Forward initiative.
- Objective 4.4: Provide outreach materials and presentations to inform stakeholders about Substantial Damage and FEMA's 50% rule.

Goal 5: Provide the community with funding assistance and grant opportunities.

- Objective 5.1: Continue the flood hazard mitigation program for pre-and-post disaster residential mitigation projects.
- Objective 5.2: Assist citizens with submitting residential projects to available state and federal grant programs.
- Objective 5.3: Continue to provide aid through Transform 386 Homeowner Recovery, Mitigation, and Infrastructure programs.
- Objective 5.4: Continue to provide post-event services for low- and moderate-income residents (e.g. Hurricane Housing Recovery, Relocation, Repair and Insurance Deductible Program, and Homeowner's/Flood Insurance Assistance) through the Community Assistance Division, as funding allows.

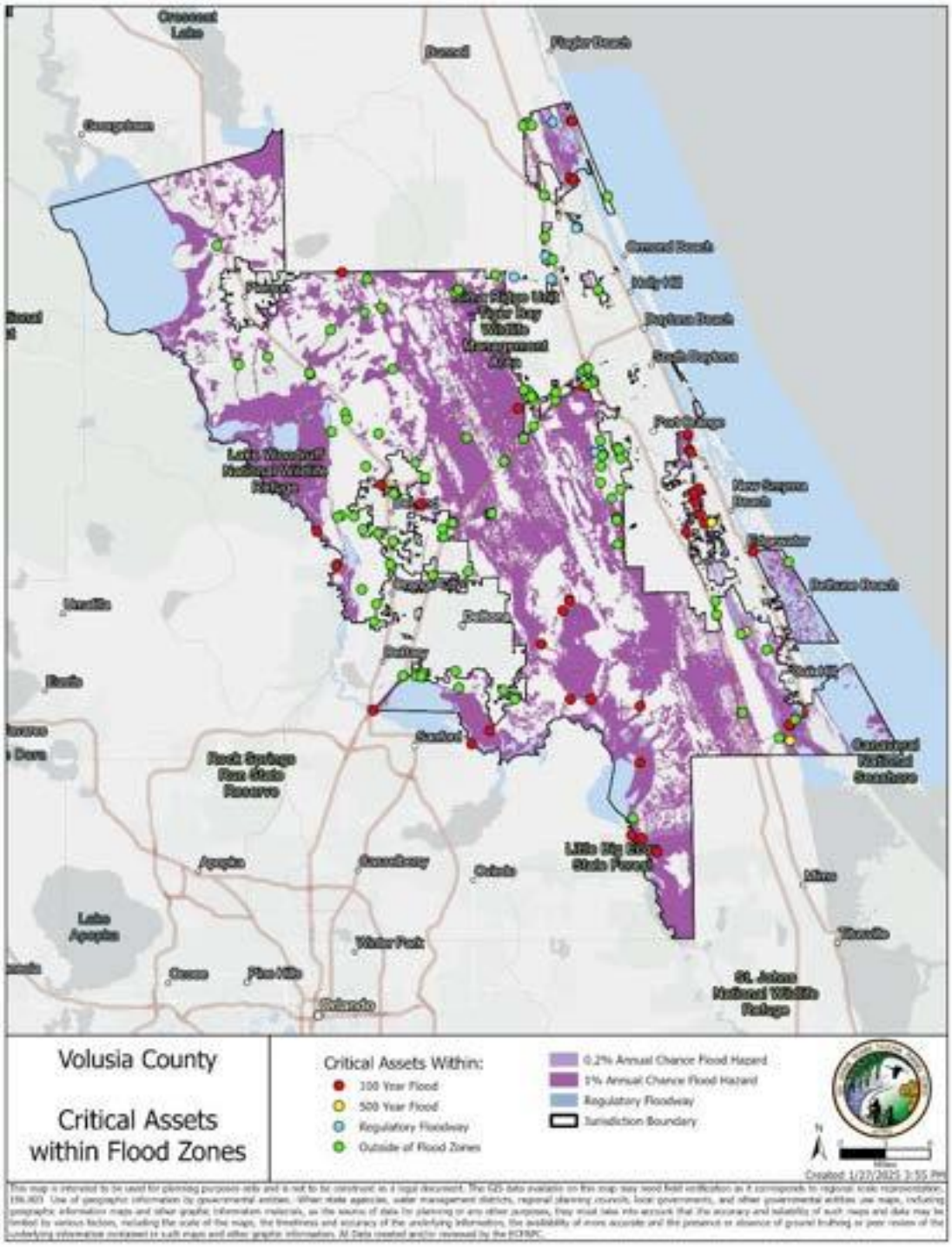
*Table 28: Unincorporated Volusia - Exposed Critical Facilities*

| Facility Name | Facility Type | Flood Zone |
|---|---|---|
| **Drainage Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Intracoastal Waterway Highway Bridge** | Transportation Systems | 100-Year |
| **Spruce Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Rose Bay Highway Bridge** | Transportation Systems | 100-Year |
| **Spruce Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Turnbull Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Cnl.Trib. to Turnbull Ck Highway Bridge** | Transportation Systems | 100-Year |
| **Trib To Turnbull Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Tomoka River Highway Bridge** | Transportation Systems | 100-Year |
| **Cougar Wildlife Crossing Highway Bridge** | Transportation Systems | 100-Year |
| **Cabbage Slough Highway Bridge** | Transportation Systems | 100-Year |
| **St Johns River Relief Highway Bridge** | Transportation Systems | 100-Year |
| **St. Johns River Highway Bridge** | Transportation Systems | 100-Year |
| **Alamana Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Lake Ashby Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Cow Creek Highway Bridge** | Transportation Systems | 100-Year |
| **Underhill Slough Highway Bridge** | Transportation Systems | 100-Year |
| **Lake Ashby Canal Highway Bridge** | Transportation Systems | 100-Year |
| **Little Haw Swamp Highway Bridge** | Transportation Systems | 100-Year |
| **Lake Gertie Highway Bridge** | Transportation Systems | 100-Year |
| **Blue Lake Equalizer Highway Bridge** | Transportation Systems | 100-Year |
| **I-4 Highway Bridge** | Transportation Systems | 100-Year |
| **St. Johns River Highway Bridge** | Transportation Systems | 100-Year |
| **US-17-92 -St Johns River Highway Bridge** | Transportation Systems | 100-Year |
| **Deep Creek Highway Bridge** | Transportation Systems | 100-Year |
| **St Johns River Relief Highway Bridge** | Transportation Systems | 100-Year |
| **Deep Ck. Diversion Cnl Highway Bridge** | Transportation Systems | 100-Year |
| **Florida East Coast; Turnbull Creek Highway Bridge** | Transportation Systems | 500-Year |
| **Hontoon Island State Park Highway Bridge** | Transportation Systems | 100-Year |
| **Highbride Park** | Essential Facilities | 100-Year |
| **City of Edgewater Waste Water System** | Utility Systems | 100-Year |
| **WJLU CH 209** | Utility Systems | 100-Year |
| **Volusia County Fire Services Station** | Essential Facilities | 500-Year |

*Table 29: Unincorporated Volusia - Floodplain Exposure Analysis*

| Exposure | Values |
|---|---|
| **Percent of Properties in the Floodplain** | 38.45% |
| **Properties in the Floodplain** | 31,415 |
| **Exposed Acreage: Residential Future Land Use** | 4658.5 |
| **Exposed Acreage: Commercial Future Land Use** | 500.63 |
| **Exposed Acreage: Mixed Use Future Land Use** | 422.64 |
| **Exposed Acreage: PD Future Land Use** | N/A |
| **Exposed Acreage: Institutional Future Land Use** | 381.29 |
| **Exposed Acreage: Industrial Future Land Use** | 381.29 |
| **Total Exposure: Land Value** | $3,758,319,189 |
| **Total Exposure: Building Value** | $3,832,474,567 |
| **Total Exposure: Assessed Value** | $7,590,793,756 |
| **Total Exposure: Taxable Value** | $3,779,939,002 |

*Figure 17: Critical Assets with Flood Zone - Unincorporated Volusia*



# APPENDIX H: PLAN ADOPTIONS

Resolutions of Adoption

**STAFF REPORT**
**CITY OF HOLLY HILL, FLORIDA**

**City Commission**
**Resolution**

**MEETING DATE:** **March 25, 2025**
**FROM:** **Josef Grusauskas**
**SUBJECT:** **A Resolution of the City Commission of the City of Holly Hill, Florida, Authorizing the City Manager to Accept and Approve the City of Holly Hill's Designated Portion of the Volusia County Mitigation Strategy Plans; Providing for Severability; and Providing for an Effective Date.**
**NUMBER:** **2025-R-26**
**APPLICANT:**
**PLANNER:**

## DISCUSSION:

Florida is currently operating under Program Administration by States (PAS) with regard to the review and approval of Local Mitigation Strategy (LMS) plans.

The Volusia County Local Mitigation Strategy is a working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities. The LMS, represented by staff throughout municipalities of the county, have identified, justified and prioritized a number of proposed projects needed to mitigate the vulnerabilities as identified by municipalities.

Volusia County is asking that all jurisdictions accept and approve its designated portion of the Volusia County LMS and accept and endorse the mitigation goals and objectives established by Volusia Prepares for the countywide plan.

A copy of the 2025 Multi-Jurisdictional Local Mitigation Strategy for Volusia County is included as **"Exhibit A"**. City staff have asked that Jeff Miller be removed as a member of the Volusia Prepares working group representing Holly Hill and that the address for the fire station be changed to 1030 Daytona Avenue. These revisions have been accepted and are anticipated to be reflected along with other minor revisions from other jurisdictions in the final 2025 Local Mitigation Strategy.

## FISCAL ANALYSIS:

Adoption of the 2025 Multi-Jurisdictional Local Mitigation Strategy for Volusia County has no financial impact.

## STAFF RECOMMENDATION:

Authorize the City Manager to adopt the Local Mitigation Strategy.

**COMMISSION GOAL:**

**Goal #1:** Develop and maintain a sound and sustainable financial plan for the city that establishes sufficient reserves for all funds, ensures (whenever possible) that user fees pay for services rendered, provides a realistic capital improvement program, and encourages public/private sector partnerships and intergovernmental partnerships.

**Goal #4:** Provide proficient public health and safety services in terms of police and fire protection, water, storm water, waste water and solid waste management and disaster preparedness with a focus on intergovernmental collaboration, private sector partnerships, and utilization of technologies and proven innovations.

**MOTION:**

**APPROVE AUTHORIZING THE CITY MANAGER TO ACCEPT AND APPROVE THE CITY OF HOLLY HILL'S DESIGNATED PORTION OF THE VOLUSIA COUNTY LOCAL MITIGATION STRATEGY.**

**ATTACHMENTS:**

- Exhibit A - Local Mitigation Strategy (PDF)

# Resolution No. 2025-26

## A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLY HILL, FLORIDA, AUTHORIZING THE CITY MANAGER TO ACCEPT AND APPROVE THE CITY OF HOLLY HILL'S DESIGNATED PORTION OF THE VOLUSIA COUNTY MITIGATION STRATEGY PLANS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.

**A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF HOLLY HILL, FLORIDA, AUTHORIZING THE CITY MANAGER TO ACCEPT AND APPROVE THE CITY OF HOLLY HILL'S DESIGNATED PORTION OF THE VOLUSIA COUNTY MITIGATION STRATEGY PLANS; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS,** areas of Holly Hill are vulnerable to the human and economic costs of natural, technological and societal disasters; and

**WHEREAS,** the Holly Hill City Commission realizes the importance of reducing or eliminating those vulnerabilities for the overall good and welfare of the community; and

**WHEREAS,** Holly Hill has been an active participant in Volusia Prepares, the Local Mitigation Strategy working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities; and

**WHEREAS,** Holly Hill representatives and staff have identified, justified and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of unincorporated areas of Volusia County to the impacts of future disasters; and

**WHEREAS,** Holly Hill staff have reviewed the information provided by or for other participating jurisdictions and organizations, including the projects and programs they have proposed for incorporation into the Volusia County Local Mitigation Plan; and

**WHEREAS,** these proposed projects and programs have been incorporated into the current edition of the Volusia County Local Mitigation Plan that has been prepared and issued for consideration and implementation by the communities and jurisdictions of Volusia County.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF HOLLY HILL, FLORIDA:**

**SECTION 1.** The City of Holly Hill accepts and approves of its designated portion of the Volusia County Local Mitigation Plan.

**SECTION 2.** The City of Holly Hill accepts and endorses the mitigation goals and objectives established by Volusia Prepares for countywide plan, and the anticipated schedule of the next updating of the plan

**SECTION 3.** The City of Holly Hill finds that the proposed mitigation projects and programs included in the plan by other jurisdictions and organizations are acceptable, that they will not adversely affect the county of its neighborhoods, and that they do not conflict with or duplicate the mitigation proposals made by the county itself.

**SECTION 4.** The personnel of Holly Hill are requested and instructed to pursue available funding opportunities for implementation of the proposals designated therein.

**SECTION 5.** The agencies and organizations within Holly Hill will, upon receipt of such funding or other necessary resources, seek to implement the proposals contained in the county's individual section of the strategy.

**SECTION 6.** The City of Holly Hill will continue to participate in the updating and expansion of the Volusia County Local Mitigation Plan in the years ahead.

**SECTION 7.** The City of Holly Hill will further seek to encourage the businesses, industries and community groups operating within Holly Hill to also participate in the updating and expansion of the Volusia County Local Mitigation Plan in the years ahead.

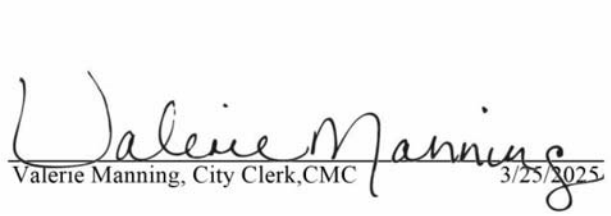
**SECTION 8. SEVERABILITY.** If any section or portion of a section of this Resolution prove to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 9. EFFECTIVE DATE.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED on this 25th day of MARCH, 2025.**



John Penny, Mayor 3/25/2025




| | |
|---|---|
| **RESULT:** | **ADOPTED [UNANIMOUS]** |
| **MOVER:** | Penny Currie, City Commissioner |
| **SECONDER:** | Jeffrey DeLanoy, City Commissioner |
| **AYES:** | Penny, Snow, Currie, DeLanoy |
| **EXCUSED:** | Johnson |

# City of Daytona Beach Shores

*"Life is Better Here"*
*"A Premier, Friendly Place to Be"*

Office of The City Clerk

State of Florida
County of Volusia

I, the undersigned duly appointed City Clerk of the City of Daytona Beach Shores, Florida, HEREBY CERTIFY that the attached is a true copy of Resolution 2025-05 adopted on May 6, 2025, as shown in the records of the City on file in the office of the City Clerk.

WITNESS my hand and the corporate seal of the City of Daytona Beach Shores, Florida, this 7th day of May, 2025.

Cheri Schwab, CMC
City Clerk

2990 S. Atlantic Avenue, Daytona Beach Shores, FL 32118 - Phone 386/763-5364; Fax 386/763-5360

**RESOLUTION NO. 2025-05**

**A RESOLUTION OF THE CITY OF DAYTONA BEACH SHORES, VOLUSIA COUNTY, FLORIDA IN SUPPORT OF THE 2025 VOLUSIA COUNTY LOCAL MITIGATION STRATEGY PLAN; ADOPTING THE PLAN INCLUDING THE FLOOD WARNING PLAN - APPENDIX A; PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS,** Article VIII, Section 2, *Constitution of the State of Florida,* authorizes the City of Daytona Beach Shores to exercise any power for municipal purposes except as otherwise provided by law; and

**WHEREAS,** coastal and riverine flooding are significant threats to the safety of residents of Volusia County and its municipalities; and

**WHEREAS,** the City Commission of the City of Daytona Beach Shores recognizes the importance of reducing vulnerabilities to flood events for the overall good and welfare of the community; and

**WHEREAS,** the City of Daytona Beach Shores has been an active participant in the Volusia Local Mitigation Strategy Working Group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities; and

**WHEREAS,** Daytona Beach Shores representatives and staff have identified, justified and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of unincorporated areas of Volusia County to the impacts of future flood events; and

**WHEREAS,** the National Flood Insurance Program (NFIP) provides federally subsidized flood insurance in communities that regulate development in floodplains; and

**WHEREAS,** the National Flood Insurance Program Community Rating System (CRS) rates the various community floodplain management programs and reduces flood insurance premiums in those communities that meet Community Rating System Program requirements; and

**WHEREAS,** the proposed projects and programs are undertaken to reduce the potential for personal and property losses in flood-prone areas and ensure the lowest possible flood insurance premiums for residents; and

**WHEREAS,** the adoption of the 2025 Volusia County Integrated Floodplain Management Plan and its integration into the Local Mitigation Strategy is intended to support this effort; and

**WHEREAS,** the formal adoption of the Plan by the local governing body is a requirement of the Community Rating System Program;

**NOW, THEREFORE, BE IT RESOLVED THAT THE CITY COMMISSION OF THE CITY OF DAYTONA BEACH SHORES, FLORIDA, AS FOLLOWS:**

**SECTION ONE. FINDINGS.**

1. The City Commission of the City of Daytona Beach Shores hereby accepts and approves of its designated portion of the Volusia County Integrated Floodplain Management Plan 2025.
2. The City Commission of the City of Daytona Beach Shores accepts and endorses the mitigation goals and objectives established by the Volusia County Local Mitigation Strategy work group for the countywide Plan, and the anticipated schedule for the next updating of the strategy.
3. The City Commission of the City of Daytona Beach Shores finds that the proposed flood mitigation projects and programs included in the Plan by other jurisdictions and organizations are acceptable, that they will not adversely affect the City or its neighborhoods, and that they do not conflict with or duplicate the flood mitigation proposals made by the City itself.
4. Relevant City Staff are requested and instructed to pursue available funding opportunities for the implementation of the proposals designated therein.
5. The agencies and organizations within the City of Daytona Beach Shores will, upon receipt of such funding or other necessary resources, seek to implement the proposals contained in the City's individual section of the Plan.
6. The City Commission of the City of Daytona Beach Shores will continue to participate in the updating and expansion of the Volusia County Integrated Floodplain Management Plan in the years ahead.
7. The City Commission of the City of Daytona Beach Shores will further seek to encourage the businesses, industries and community groups operating within Daytona Beach Shores to also participate in the updating and expansion of the Volusia County Integrated Floodplain Management Plan in the years ahead.

**SECTION TWO. SAVINGS.** The prior actions of the City of Daytona Beach Shores relating to the local mitigation strategy and floodplain management are hereby ratified and affirmed.

**SECTION THREE: CONFLICTS.** All resolutions or parts thereof in conflict with this Resolution are hereby repealed to the extent of such conflict.

**SECTION FOUR. SEVERABILITY.** If any section, subsection, sentence, clause, phrase, or portion of this Resolution, or application hereof, is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion or application shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions thereof.

**SECTION FIVE. EFFECTIVE DATE.** This Resolution shall take effect immediately upon its adoption.

**CITY OF DAYTONA BEACH SHORES, FLORIDA**

Nancy Miller

**NANCY MILLER, MAYOR**

**KURT SWARTZLANDER, CITY MANAGER**

Ch Schl

**CHERI SCHWAB, CITY CLERK**

**Approved as to form and legality:**

**VOSE LAW FIRM, CITY ATTORNEY**

**Adopted on first reading this** 6 **day of** May **, 2025.**

# RESOLUTION NO. 25-22

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA, AUTHORIZING SUPPORT FOR THE VOLUSIA COUNTY LOCAL MITIGATION STRATEGY; PROVIDING AN EFFECTIVE DATE.

WHEREAS, areas of the City of Port Orange are vulnerable to the human and economic costs of natural, technological and societal disasters; and

WHEREAS, the City of Port Orange realizes the importance of reducing or eliminating those vulnerabilities for the overall good and welfare of the community; and

WHEREAS, the City of Port Orange has been an active participant in Volusia Prepares, the Local Mitigation Strategy working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities; and

WHEREAS, City of Port Orange representatives and staff have identified, justified and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of areas of Port Orange to the impacts of future disasters; and

WHEREAS, Port Orange representatives and staff have reviewed the information provided by or for other participating jurisdictions and organizations, including the projects and programs they have proposed for incorporation into the Volusia County Local Mitigation Plan; and

WHEREAS, these proposed projects and programs have been incorporated into the current edition of the Volusia County Local Mitigation Strategy that has been prepared and issued for consideration and implementation by the communities and jurisdictions of Volusia County.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PORT ORANGE, VOLUSIA COUNTY, FLORIDA:

Section 1. The City of Port Orange hereby accepts and approves of its designated portion of the Volusia County Local Mitigation Strategy.

Section 2. The City of Port Orange accepts and endorses the mitigation goals and objectives established by Volusia Prepares for the countywide strategy, and the anticipated schedule for the next updating of the strategy.

Section 3. The City of Port Orange finds that the proposed mitigation projects and programs included in the plan by other jurisdictions and organizations are acceptable, that they will not adversely affect the county or its neighborhoods, and that they do not conflict with or duplicates the mitigation proposals made by the City itself.

Section 4. The agency personnel of the City of Port Orange are requested and instructed to pursue available funding opportunities for implementation of the proposals designated therein.

Section 5. The agencies and organizations within the City of Port Orange will, upon receipt of such funding or other necessary resources, seek to implement the proposals contained in the county's individual section of the

strategy.

Section 6. The City of Port Orange will continue to participate in the updating and expansion of the Volusia County Local Mitigation Strategy in the years ahead.

Section 7. The City of Port Orange will further seek to encourage the businesses, industries and community groups operating within Port Orange to also participate in the updating and expansion of the Volusia County Local Mitigation Strategy in the years ahead.

Section 8. This Resolution shall become effective immediately upon adoption by the City Council.

MAYOR SCOTT STILTNER

ATTEST:

Robin L. Fenwick, MMC, City Clerk

Adopted on the 6th day of May 2025

Reviewed and Approved:

Shannon K. Balmer Senior Assistant City Attorney

**RESOLUTION NO. 2025-13**

**A RESOLUTION OF THE CITY OF SOUTH DAYTONA, FLORIDA AUTHORIZING THE ADOPTION OF THE UPDATED VOLUSIA COUNTY MULTI-JURISDICTIONAL LOCAL HAZARD MITIGATION STRATEGY PLAN AND THE VOLUSIA INTEGRATED FLOODPLAIN MANAGEMENT PLAN; PROVIDING FOR CONFLICTING RESOLUTIONS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS,** areas of the City of South Daytona are vulnerable to the human and economic costs of natural, technological, and societal disasters; and

**WHEREAS,** the City of South Daytona governing body realizes the importance of reducing or eliminating those vulnerabilities for the overall good and welfare of the community; and

**WHEREAS,** the City of South Daytona has been an active participant in Volusia Prepares, the Local Mitigation Strategy working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities; and

**WHEREAS,** the City's professional staff have identified, justified, and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of areas of South Daytona to impacts of future disasters; and

**WHEREAS,** these proposed projects and programs have been incorporated into the current edition of the Volusia County Multi-Jurisdiction Local Mitigation Strategy Plan and the Volusia County Integrated Floodplain Management Plan that has been prepared and issued for consideration and adoption by the communities and jurisdictions of Volusia County; and

**WHEREAS,** a copy of the Volusia County, Florida Multi-Jurisdictional Local Mitigation Strategy Plan and the Volusia County Integrated Floodplain Management Plan have been attached hereto as Attachment "A" and incorporated herein by reference; and

**WHEREAS,** the City Council finds that adopting the Volusia County, Florida Multi-Jurisdictional Local Mitigation Strategy Plan and the Volusia County Integrated Floodplain Management Plan is in the best interest of the residents.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SOUTH DAYTONA, FLORIDA:**

**Section 1.** The City Council of South Daytona hereby adopts the Volusia County, Florida Multi-Jurisdictional Local Mitigation Strategy Plan and the Volusia County Integrated Floodplain Management Plan.

**Section 2. Repealer.** All prior resolutions, if any, which conflict with this resolution are hereby repealed.

**Section 3. Severability.** If any section, subsection, sentence, clause, phrase or portion of this resolution, or application hereof, is for any reason held invalid or unconstitutional by any Court, such portion or application shall be deemed a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions or application hereof.

**Section 4. Effective Date.** This resolution shall become effective immediately upon its adoption

**THIS RESOLUTION APPROVED ON FIRST AND ONLY READING** this 13th day of May 2025 by the City Council of the City of South Daytona, Florida.

**CITY OF SOUTH DAYTONA, FLORIDA**

William C. Hall, Mayor

ATTEST: _____
James L. Gillis Jr, City Manager

APPROVED AS TO FORM AND LEGALITY:

_____
Wade C. Vose, City Attorney

**RESOLUTION NO. 2025 - 34**

**A RESOLUTION OF THE CITY COMMISSION OF DELAND, FLORIDA, SUPPORTING THE VOLUSIA COUNTY LOCAL MITIGATION PLAN; PROVIDING FOR SEVERABILITY AND AN EFFECTIVE DATE.**

**WHEREAS,** areas of the City of DeLand are vulnerable to the human and economic costs of natural, technological and societal disasters; and

**WHEREAS,** the City of DeLand governing body realizes the importance of reducing or eliminating those vulnerabilities for the overall good and welfare of the community; and

**WHEREAS,** the City of DeLand has been an active participant in Volusia Prepares, the Local Mitigation Strategy working group, which has established a comprehensive, coordinated planning process involving the county and its municipalities, as well as other public and private sector organizations, to eliminate or decrease these vulnerabilities; and

**WHEREAS,** the City of DeLand representatives and staff have identified, justified and prioritized a number of proposed projects and programs needed to mitigate the vulnerabilities of unincorporated areas of Volusia County to the impacts of future disasters; and

**WHEREAS,** the City of DeLand representatives and staff have reviewed the information provided by or for other participating jurisdictions and organizations, including the projects and programs they have proposed for incorporation into the Volusia County Local Mitigation Plan; and

**WHEREAS,** these proposed projects and programs have been incorporated into the current edition of the Volusia County Local Mitigation Plan that has been prepared and issued for consideration and implementation by the communities and jurisdictions of Volusia County.

**NOW THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF DELAND, FLORIDA:**

**Section 1.** The City of DeLand hereby accepts and approves of its designated portion of the Volusia County Local Mitigation Plan.

**Section 2.** The City of DeLand accepts and endorses the mitigation goals and objectives established by Volusia Prepares for the countywide plan, and the anticipated schedule for the next updating of the plan.

**Section 3.** The City of DeLand finds that the proposed mitigation projects and programs included in the plan by other jurisdictions and organizations are acceptable, that they will not adversely affect the county or its neighborhoods, and that they do not conflict with or duplicate the mitigation proposals made by the county itself.

**Section 4.** The agency personnel of the City of DeLand are requested and instructed to pursue available funding opportunities for implementation of the proposals designated therein.

**Section 5.** The agencies and organizations within the City of DeLand will, upon receipt of such funding or other necessary resources, seek to implement the proposals contained in the county's individual section of the strategy.

**Section 6.** The City of DeLand will continue to participate in the updating and expansion of the Volusia County Local Mitigation Plan in the years ahead.

**Section** 7. The City of DeLand will further seek to encourage the businesses, industries and community groups operating within the City of DeLand to also participate in the updating and expansion of the Volusia County Local Mitigation Plan in the years ahead.

**Section 8.** If any section, sentence, clause or phrase of this Resolution is held to be invalid or unconstitutional by any court of competent jurisdiction, that holding shall in no way affect the remaining portions of this Resolution.

**Section 9.** This Resolution shall become effective immediately upon its adoption.

**PASSED AND DULY ADOPTED** this 19th day of May, 2025.

Christopher M. Cloudman
Mayor-Commissioner

**ATTEST:**

Julie A. Hennessy
City Clerk - Auditor

**APPROVED AS TO FORM AND LEGALITY:**

Darren J. Elkind
City Attorney

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.U. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Disposition Item |
| **Subject** | Construction & Demolition Roll-off Services Franchise Application - SJP Enterprises LLC, DBA Prince Containers | | |
| **Recommended Action** | Staff intends to process the non-exclusive franchise agreement for the collection and disposal of construction and demolition debris to SJP Enterprises LLC, DBA Prince Containers, unless otherwise directed. | | |
| **Strategic Goal** | Public Safety - Other | | |
| **Department Staff Contact** | Public Works<br>Kevin Gray, Deputy Public Works Director | | |


Summary

This is the construction and demolition roll-off services franchise agreement application for Prince Containers. This application is for April 18, 2025 to April 18, 2026.

Prince Containers offers 10, 15, 20 and 30-yard roll-off containers. The principal owners have an extensive background in the recycling and solid waste industry, and staff expect a high level of customer satisfaction from the company. City staff previously conducted reference checks and a financial ability analysis of Prince Containers to perform construction and demolition roll-off services within the City. These checks provided no information to disallow the granting of a non-exclusive franchise agreement.


Financial Impact

Revenues from this nonexclusive franchise agreement will be $5,000 from the receipt of the annual franchise fee, $1,500 from the renewal fee, and approximately $2,500 from pull charges, which will be applied to Fund 460 - Solid Waste Fund.

Citizen Impact

The franchising of waste haulers ensures businesses operate within City requirements. Having multiple authorized haulers provides a varied selection from which residents can choose.

Attachments

1. Prince Containers Franchise Application

**City of Ormond Beach**
**Public Works Department**
**Construction & Demolition Roll-Off Services Franchise Application**

**Check One**

☒ New ☐ Renewal ☐ Transfer ☐ Modification

**Application Information:**

Name: SJP Enterprises LLC / DBA Prince Containers

Address: 200 S F St

City/State/Zip Code: Haines City FL 33844

Phone Number: 321-299-4083

Contact Name: Chad Roy

Contact Email: ChadRoy@PrinceContainers.Com

**To the applicant:** The following information checklist is provided to assist you in preparing your application for a non-exclusive franchise to provide containers for construction and demolition debris collection and disposal services to properties located in the City of Ormond Beach. Please provide the required information identified in this checklist as an attachment to the franchise application.

**Franchise Application Requirements**
**And Requirement Checklist**

☑ 1. Name(s) and business address(es) of principal officers and stockholders and other persons having financial or controlling interest in any partnership or corporation;

~~☐ 2.~~ Names(s) and business address(es) of local managing officers of any publicly owned corporation having more than 25 shareholders; - Do not need

☑ 3. Proof that corporation is in good standing in the State, and if not a Florida corporation, proof that applicant is qualified to do business in the State of Florida;

☑ 4. If applicant is other than a corporation, and is operating under a fictitious name, applicant shall be required to submit information that such fictitious name is registered and held by applicant;

☑ 5. List of type, number, and complete description of all equipment to be used by applicant for providing safe and efficient services;

☑ 6. Description or listing of the applicant's and its related entity's experience in the collection of construction and demolition debris;

☑ 7. List of all franchises awarded to the applicant and the status of those franchises;

**City of Ormond Beach**
**Public Works Department**
**Construction & Demolition Roll-Off Services Franchise Application**

☑ 8. List of all franchises applied for which were not granted during the previous five-year period;

☑ 9. Written response to selection criteria as follows:

1. The public need for the proposed franchise or franchise transfer
2. The financial ability of the applicant to perform
3. Such other matters or information regarding the applicant or proposed franchise that the City Commission may determine relevant in its legislative discretion;

☑ 10. Applicant shall maintain in full force and effect the insurance coverages required by Exhibit "A" of City of Ormond Beach Resolution No. 2021-144 and any subsequent amendments thereto. Commercial General Liability coverage shall be $1 million each occurrence, $1 million aggregate products and completed operations and $50,000 fire damage (any one fire).

☑ 11. An applicant for an initial franchise, or a material modification of an existing franchise, or a transfer of a franchise shall file the original and ten (10) copied of the application with the City Clerk, or his or her designee. Any transfer of more then twenty-five (25) percent of the ownership of the franchisee shall be deemed to be a "transfer of a franchise."

☑ 12. Contemporaneously with the filing of an application for an initial franchise, the applicant shall remit to the City a nonrefundable application fee in the amount of two thousand five hundred dollars ($2,500.00): and contemporaneously with the filing of an application for a material modification of an existing franchise, or a transfer of a franchise, the applicant shall remit to the City, unless otherwise prohibited by law or waived by the City, a nonrefundable application fee in the amount of one thousand five hundred dollars ($1,500.00). "Material modification" shall mean a change in any term or condition that substantially or materially affects any right or obligation of the franchisee or City under a franchise.

☑ 13. Within ten (10) business days after the filing of an application, the applicant shall furnish a complete copy of the application to all other collectors of construction and demolition debris that have franchises in the City. The copy shall be furnished by personal delivery or sent by certified mail, return receipt requested, to the principal business office of such other collectors of construction and demolition debris.

**Definitions:**

1. Applicant: a person or corporation applying to the City of Ormond Beach for a non-exclusive franchise to provide construction and demolition roll-off containers and/or collect construction and demolition debris within the City for hire, remuneration or other consideration.

2. Franchisee: person or corporation to whom the City has issued a non-exclusive franchise to provide roll-off containers for construction and demolition services and/or to provide construction and demolition debris collection and disposal services to properties in the City.

**City of Ormond Beach**
**Public Works Department**
**Construction & Demolition Roll-Off Services Franchise Application**

**Affidavit**
**ACKNOWLEDGMENT OF BUSINESS TYPE**

The below named person, as applicant or legal representative for applicant, does hereby certify that all required information has been attached to the application and becomes a part thereof.

Applicant or applicant's legal representative agrees that applicant will comply with all provisions of the City of Ormond Beach Code of Ordinances, the laws, rules, ordinances and regulations of Volusia County, the State of Florida, and the United States of America.

**BUSINESS ADDRESS OF APPLICANT:**

Address: 200 S F St.

City: Haines City State: FL Zip: 33844

Telephone No.: 321 299 4083 Fax No.: _____

Federal ID No.: 93-4807898

**SIGNATURE OF APPLICANT:**

If an Individual: _____, doing business
Signature

as SJP Enterprises LLC - DBA Prince Containers

If a Partnership: _____ by: _____,
General Partner Signature

If a Corporation: _____
Corporate Name

(a _____ Corporation)

by: _____
Signature

Title: Vice President

Attest: _____ (SEAL)
Corporate Secretary

NOTARY PUBLIC: Amy Lavon Carter Amy LAVON CARTER

STATE OF: Florida COUNTY OF: Polk

*The foregoing instrument was acknowledged before me this day of the year , by* Chad Roy
*who is (are) personally known to me or who has produced as identification and who did (did not) take an oath.*

NOTARY PUBLIC SIGNATURE: Amy Lavon Carter

NOTARY NAME, PRINTED, TYPED, OR STAMPED: Amy LAVON Carter

Commission Number: HH582722 My Commission Expires: _____

AMY LAVON CARTER
MY COMMISSION # HH 582722
EXPIRES: October 26, 2028




Name and business address of principal officer:

Ian Prince
200 South F Street
Haines City, Florida 33844

Sunbiz.org Division of Corporations

# Detail by Officer/Registered Agent Name

Florida Limited Liability Company
SJP ENTERPRISES LLC

**Filing Information**

| | |
|---|---|
| **Document Number** | L23000481164 |
| **FEI/EIN Number** | 93-4807898 |
| **Date Filed** | 10/19/2023 |
| **Effective Date** | 10/23/2023 |
| **State** | FL |
| **Status** | ACTIVE |
| **Last Event** | LC NAME CHANGE |
| **Event Date Filed** | 12/21/2023 |
| **Event Effective Date** | NONE |

**Principal Address**

200 SOUTH F ST
HAINES CITY, FL 33844

**Mailing Address**

200 SOUTH F ST
HAINES CITY, FL 33844

**Registered Agent Name & Address**

PRINCE, IAN B
200 SOUTH F ST
HAINES CITY, FL 33844

Address Changed: 02/29/2024

**Authorized Person(s) Detail**

**Name & Address**

Title MGR

PRINCE, IAN B
200 SOUTH F ST
HAINES CITY, FL 33844

**Annual Reports**

| Report Year | Filed Date |
|---|---|

| | |
|---|---|
| 2024 | 02/29/2024 |
| 2025 | 02/12/2025 |
| 2025 | 03/06/2025 |

**Document Images**

View image in PDF format

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View image in PDF format

View image in PDF format

View image in PDF format

DIVISION

Sunbiz.org Division of CORPORATIONS

Department of State / Division of Corporations / Search Records / Return to Detail Screen /

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## Events

**SJP ENTERPRISES LLC**

| | |
|---|---|
| **Document Number** | L23000481164 |
| **Date Filed** | 10/19/2023 |
| **Effective Date** | |
| **Status** | Active |

| Event Type | Filed Date | Effective Date | Description |
|---|---|---|---|
| LC NAME CHANGE | 12/21/2023 | | OLD NAME WAS : SJ DUMPSTERS LLC |

Return to Detail Screen

Division of Corporation

Previous on List Next on List Return to List

Fictitious Name Search

Submit

**No Filing History**

# Fictitious Name Detail

## Fictitious Name

PRINCE CONTAINERS

## Filing Information

| | |
|---|---|
| **Registration Number** | G24000134975 |
| **Status** | ACTIVE |
| **Filed Date** | 11/04/2024 |
| **Expiration Date** | 12/31/2029 |
| **Current Owners** | 1 |
| **County** | POLK |
| **Total Pages** | 1 |
| **Events Filed** | NONE |
| **FEI/EIN Number** | NONE |

## Mailing Address

200 SOUTH F ST
HAINES CITY, FL 33844

## Owner Information

SJP ENTERPRISES LLC
200 SOUTH F ST
HAINES CITY, FL 33844
**FEI/EIN Number:** 93-4807898
**Document Number:** L23000481164

## Document Images

11/04/2024 -- Fictitious Name Filing View image in PDF format

Previous on List Next on List Return to List

Fictitious Name Search

Submit

**No Filing History**

PURCHASE DATE PURCHASE PRICE TAG #

| PURCHASE DATE | PURCHASE PRICE | TAG # |
|---|---|---|
| 2/14/2024 | $ 74,531.97 | NO TAG |
| 8/23/2024 | $ 4,761.50 | NO TAG |
| 2/14/2025 | $ 100,875.94 | NO TAG |
| 1/26/2024 | $ 320,637.00 | P6705I |
| 3/14/2024 | $ 67,332.02 | 30EJGP |
| 5/31/2024 | $ 325,537.00 | P4362J |
| 11/12/2024 | $ 32,607.16 | 53EQQB |
| 1/24/2025 | $ 328,193.43 | P2197K |
| 2/7/2025 | $ 64,136.74 | 73EZTI |
| 2/28/2025 | $ 325,357.00 | P0065G |
| 3/24/2025 | $ 325,357.00 | DUX6755 |
| 6/30/2026 | $ 32,548.18 | DK08CE |
| 6/30/2026 | $ 32,548.18 | DK07CE |
| 2/12/2025 | $ 15,702.02 | 68ETVB |

**Experience in Collection of Construction and Demolition Debris**

**Company Name:**
SJP Enterprises LLC, dba Prince Containers

**Years in Operation:**
Approximately 2.5 years

**Summary of Experience:**
SJP Enterprises LLC, doing business as Prince Containers, has been in operation for approximately two and a half years, specializing in the collection and management of construction and demolition (C&D) debris. We primarily serve large-scale builders such as DR Horton, Lennar, Casa Fresca, and others. Our focus is on commercial and production homebuilding projects, providing efficient removal, sorting, and proper disposal or recycling of materials such as wood, drywall, metal, and other common C&D waste — excluding concrete.

**Related Entity:**
**Prince and Sons** – Provides commercial landscape maintenance, landscape irrigation, and light construction services.

Together, our companies bring a well-rounded understanding of construction site operations and remain fully compliant with all local and state regulations regarding debris handling and disposal. Safety, reliability, and environmental responsibility are central to our operations.

| Franchises Awarded | |
|---|---|
| City of St. Cloud | Awarded |
| New Smyrna | Awarded |
| City of Minneola | Awarded |
| City of Orlando | In progress |
| City of Daytona Beach | In progress |
| Orange County | In progress |
| Volusia County | In progress |
| Lake Alfred | |
| Winter Garden | |
| Apopka | |
| City of Clermont | |

## "Written Responses to Selected Criteria for Franchise Proposal"

There is a clear and growing public need for reliable and efficient construction and demolition debris collection services, especially within the rapidly expanding commercial and residential development sectors. SJP Enterprises LLC, dba Prince Containers, is well-positioned to meet this demand by providing dependable, regulation-compliant waste management solutions for leading builders such as DR Horton, Lennar, and Casa Fresca. We are currently serving communities across the state of Florida, supporting cleaner, safer job sites and contributing to responsible environmental practices in the community.

In addition, our strong financial standing allows us to maintain the necessary infrastructure, equipment, and staffing to scale our operations and meet the growing needs of the market. With two and a half years of successful operations and a solid financial track record, we are fully equipped to expand our services and sustain long-term success as a franchise.

PRINLAN-01 MCISH1

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/22/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | |
|---|---|
| PRODUCER<br>Mulling Insurance Agency, Inc.<br>P.O. Box 308<br>Auburndale, FL 33823 | CONTACT NAME: Judy Wagner, AAI, AU, AIS, PIAM, PWCAM, CPIW<br>PHONE (A/C, No, Ext): (863) 967-4454 FAX (A/C, No): (863) 967-7592<br>E-MAIL ADDRESS: judyw@mullinginsurance.com |
| INSURED<br>Prince And Sons, Inc., SJP Enterprises, LLC Dba Prince Containers<br>200 F Street South<br>Haines City, FL 33844 | INSURER(S) AFFORDING COVERAGE — NAIC #<br>INSURER A : Zurich Insurance Company — 40142<br>INSURER B : Ascot Specialty Insurance Company — 45055<br>INSURER C : Southern Owners Insurance Co. — 10190<br>INSURER D :<br>INSURER E :<br>INSURER F : |

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | [X] COMMERCIAL GENERAL LIABILITY<br>[ ] CLAIMS-MADE [X] OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>[X] POLICY [X] PRO-JECT [X] LOC<br>OTHER: | X | | GLO 2578686-01 | 3/1/2025 | 3/1/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 2,000,000<br>$ 100,000<br>$ 10,000<br>$ 2,000,000<br>$ 4,000,000<br>$ 4,000,000 |
| A | AUTOMOBILE LIABILITY<br>[X] ANY AUTO<br>[ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS<br>[X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY | | | BAP 2578687-01 | 3/1/2025 | 3/1/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)<br>PIP | $ 2,000,000<br><br><br><br>$ 10,000 |
| B | [ ] UMBRELLA LIAB [X] OCCUR<br>[X] EXCESS LIAB [ ] CLAIMS-MADE<br>[X] DED RETENTION $ 0 | | | ESXS2510003865-02 | 3/1/2025 | 3/1/2026 | EACH OCCURRENCE<br>AGGREGATE | $ 3,000,000<br>$ 3,000,000 |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [N]<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | WC 2578685-01 | 3/1/2025 | 3/1/2026 | [X] PER STATUTE [X] OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | $ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |
| C | Leased/Rented EQ | | | 72425304 | 8/1/2024 | 8/1/2025 | Limit | 200,000 |
| C | Installation Floater | | | 72425304 | 8/1/2024 | 8/1/2025 | Limit | 25,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
City of Ormond Beach is included as additional insured with respect to General Liability.

CERTIFICATE HOLDER

City of Ormond Beach
22 S. Beach St
Ormond Beach, FL 32174

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE


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**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.V. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Disposition Item |
| **Subject** | RFP - Water Well Assessment and Rehabilitation Services | | |
| **Recommended Action** | The City intends to publicly advertise the Water Well Assessment and Rehabilitation Services for RFP, unless otherwise directed. | | |
| **Strategic Goal** | Water Quality & the Environment - Other | | |
| **Department Staff Contact** | Public Works - Utilities Management<br>Bob Preis, Utilities Manager | | |


Summary

This item provides public notice of the City's intent to issue a request for proposals (RFP) for the Water Well Assessment and Rehabilitation Services, RFP number 2025-38.


In order to provide the City's water treatment plant with an adequate supply of raw water, the City's raw water wells need to be maintained on a regular basis. The City currently has 42 raw water wells as permitted through the Saint Johns River Water Management District. Maintenance activities for any raw water well may include, but is not limited to, rehabilitating mechanical components and electrical systems, replacement of items damaged by lightning, video logging of the well's casing, and replacement of any damaged casing components.

The City currently has active contracts for these services with Thompson Well & Pump and Layne Christenson. These existing contracts were established on December 1, 2020, in Resolution 2020-182, with a maximum contract length of 5 years. The City will advertise this RFP with the intent of establishing a new contract with those contractor(s) selected though the RFP process.

Financial Impact

Water well assessment and rehabilitation services are included in the annual budget of Fund 401 - Water/Wasterwater Operating.

Citizen Impact

Regular maintenance and upkeep of the City's raw water wells is essential in providing reliable drinking water service to the City's utility customers. No adverse impacts are anticipated.

Attachments

1. RFP 2025-38 Water Well Assessment and Rehabilitation Services

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: **WATER WELL ASSESSMENT AND REHABILIATION SERVICES**

RFP NUMBER:**2025-38**

RFP OPENING DATE & TIME: **August 27, 2025 at 2:00 pm**

RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**

PRE-PROPOSAL MEETING DATE & TIME: **None**

PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: _____

PROPOSER'S MAILING ADDRESS: _____

CITY-STATE-ZIP: _____

F.E.I.N.: _____
PHONE NUMBER: _____

EMAIL: _____
If returning as a "No Submittal", please state reason (s) _____

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

_____
NAME (TYPED)

_____
TITLE

_____
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES**: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS**. The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S**: The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES**: All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be

considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING**: Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**PROCUREMENT COMMUNICATION PROTOCOL:** To protect the integrity of the procurement process, respondents, suppliers, contractors, sub-contractors or person acting on behalf of any of the above are prohibited from all communications regarding the solicitation with City staff, City consultants, City legal counsel, City agents, or elected officials unless such communication is specifically authorized in the City's solicitation or addenda. Violation of this provision may be grounds for rejecting a response.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS**: The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY**: The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES**: The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

CITY CLERK
22 SOUTH BEACH STREET
ORMOND BEACH, FLORIDA 32174
(386)677-0311
CITYCLERK@ORMONDBEACH.ORG
or online at
https://www.ormondbeach.org/prr

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

**TERMS AND CONDITIONS**

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

## I. OBJECTIVE OF THE REQUEST FOR PROPOSALS

The City of Ormond Beach is a coastal community located in northeast Volusia County, Florida, occupying an area of approximately 38 square miles. The City Utility Service Area extends outside of the City limits into part of unincorporated Volusia County as well as providing service to portions of neighboring Flagler County. Customer data for 2024 included 23,788 active water accounts, of which 16,972 were located within the City limits. Records indicate there were 18,027 active sewer accounts, of which 17,451 were located within City limits. The City's fiscal year begins on October 1 and ends on September 30.

It is the intent of the City of Ormond Beach, Florida to award a contract(s) to the successful proposer(s) of this request for proposals to provide **WATER WELL ASSESSMENT AND REHABILITATION SERVICES** on an "as needed" basis.

In order to meet the required raw water demands, the City presently utilizes thirty-nine (39) water production wells and is currently in the process of constructing three (3) new wells in the Hudson wellfield region. Details of individual wells are provided later within this same section. Bidders should be aware that the City's current inventory of well pumps includes multiple suppliers including Gould Water Technology Submersible Pumps (A Xylem Brand), Peabody Floway Vertical Turbine Submersible Pumps, and Grundfos Pumps.

To provide vendors with a better understanding of the City's water well network, an excerpt from the recently completed *Western Service Area Master Plan Update* (February 2020) completed by Mead & Hunt, is provided. The excerpt entitled "Existing Raw Water Infrastructure," is broken into three parts. In Part 1, Existing Wellfield Summary, a paragraph describes the City's four wellfields. Thereafter, in table format, all wells are listed with relevant details including: the ID number, the casing diameter the casing depth, the well total depth, pump capacity, drilling date, and status. In Part 2, Existing Wellfield Water Quality, a paragraph description provides an overview of the water quality followed by a table providing chloride levels measured at specific well sites from 2015 through 2019. Lastly, Figure 2-1 Primary Water Components, graphically depicts the locations of the wells relative to major roadways.

Excerpts from *Western Service Area Master Plan Update* (February 2020) completed by Mead & Hunt

# Existing Raw Water Infrastructure

### 1) Existing Wellfield Summary

The City provides potable water service to residential, retail, and commercial customers throughout their service area. The City currently has approximately 56,000 potable water customers. The City currently obtains its water supply to serve these customers from four (4) separate wellfields. The wellfield names are as follows: Division, SR40, Hudson, and Rima Ridge. Within these four wellfields, there are currently 33 active primary and secondary groundwater production wells drilled into the upper producing zones of the Floridan aquifer. Additionally, the City owns and operates three wells in the Breakaway (BAT) Trails wellfield region, but these BAT wells are currently only being utilized for reclaimed augmentation purposes. ***Table 2-1*** below summarizes current information regarding all of the City's wellfields with their corresponding capacities. Three new wells were "proposed" for construction within the Hudson wellfield in the 2015 Master Plan and are included within ***Table 2-1.***

*Table 2-1: Existing Wellfield Summary*

| Wellfield | Ormond Well ID | SJRWMD Well ID | Casing Diam. (IN) | Cased Depth (FT) | Total Depth (FT) | Pump Capacity (GPM) | Drill Date | Status |
|---|---|---|---|---|---|---|---|---|
| **Division Wellfield** | 4D/7A | 137840 | 12 | 115 | 190 | 200 | 2009 | Active |
| **Division Wellfield** | 5D/8A | 17255 | 12 | 100 | 201 | 200 | 1999 | Active |
| **Division Wellfield** | 6D/9A | 17256 | 12 | 84 | 190 | 300 | 1999 | Active |
| **Division Wellfield** | 7D10A | 17257 | 12 | 85 | 204 | 300 | 1999 | Active |
| **Division Wellfield** | 8D/12A | 34004 | 12 | 108 | 214 | 250 | 2004 | Active |
| **Division Wellfield** | 9D/11A | 17258 | 12 | 107 | 228 | 300 | 1999 | Active |
| **Division Wellfield** | 10D/13 | 17260 | 8 | 96 | 220 | 200 | 1969 | Inactive |
| **Division Wellfield** | 11D/13A | 34005 | 12 | | 220 | 300 | 2002 | Active |
| **Division Wellfield** | 12D/15A | 34006 | 12 | 97 | 220 | 300 | 2002 | Active |
| **Division Wellfield** | 15D/18A | 137841 | 12 | 118 | 190 | 200 | 2009 | Active |
| **Division Wellfield** | 16D/19 | 17266 | 8 | 88 | 200 | 180 | 1976 | Active |

| Wellfield | Ormond Well ID | SJRWMD Well ID | Casing Diam. (IN) | Cased Depth (FT) | Total Depth (FT) | Pump Capacity (GPM) | Drill Date | Status |
|---|---|---|---|---|---|---|---|---|
| **Division Wellfield** | 17D/19A | 34009 | 12 | 103 | 200 | 250 | 2004 | Active |
| **Division WF Total GPM** | | | | | | **2,980** | | |
| **SR 40 Wellfield** | 18SR/22 | 17269 | 8 | 97 | 200 | 250 | 1979 | Inactive |
| **SR 40 Wellfield** | 19SR/24 | 17271 | 8 | 91 | 200 | 275 | 1979 | Active |
| **SR 40 Wellfield** | 20SR/26 | 17273 | 8 | 98 | 170 | 0 | 1981 | Inactive |
| **SR 40 Wellfield** | 21SR/28 | 17230 | 8 | 89 | 203 | 200 | 1982 | Active |
| **SR 40 WF Total GPM** | | | | | | **475** | | |
| **Hudson Wellfield** | 22H/30 | 17231 | 6 | 98 | 270 | 138 | 1987 | Active |
| **Hudson Wellfield** | 23H/31 | 17232 | 6 | 98 | 270 | 138 | 1987 | Active |
| **Hudson Wellfield** | 24H/32 | 17233 | 6 | 97 | 270 | 73 | 1987 | Active |
| **Hudson Wellfield** | 25H/33 | 17234 | 6 | 98 | 270 | 73 | 1987 | Active |
| **Hudson Wellfield** | 26H34 | 17235 | 6 | 97 | 270 | 73 | 1987 | Active |
| **Hudson Wellfield** | 27H/35 | 17236 | 6 | 98 | 270 | 117 | 1978 | Active |
| **Hudson Wellfield** | 28H/36 | 17237 | 6 | 99 | 271 | 160 | 1986 | Active |
| **Hudson Wellfield** | 29H/37 | 17238 | 6 | 98 | 270 | 140 | 1987 | Active |
| **Hudson Wellfield** | 30H/38 | 17239 | 6 | 98 | 270 | 138 | 1987 | Active |
| **Hudson Wellfield** | 31H/39 | 17240 | 6 | 99 | 270 | 138 | 1987 | Active |
| **Hudson Wellfield** | 32H/40 | 17241 | 6 | 98 | 270 | 138 | 1987 | Active |
| **Hudson Wellfield (Irrigation)** | 33H/41 | 17242 | 6 | 98 | 270 | 138 | 1987 | Active |
| **Hudson Wellfield (Irrigation)** | 34H/42 | 17243 | 6 | 91 | 270 | 73 | 1987 | Active |

| Wellfield | Ormond Well ID | SJRWMD Well ID | Casing Diam. (IN) | Cased Depth (FT) | Total Depth (FT) | Pump Capacity (GPM) | Drill Date | Status |
|---|---|---|---|---|---|---|---|---|
| **Hudson Wellfield** | Prop. Hudson 1 | 412898 | 12 | 120 | 250 | 160 | TBD | Proposed |
| **Hudson Wellfield** | Prop. Hudson 1 | 412899 | 12 | 120 | 250 | 160 | TBD | Proposed |
| **Hudson Wellfield** | Prop. Hudson 1 | 412900 | 12 | 120 | 250 | 160 | TBD | Proposed |
| **Existing Hudson WF Total GPM** | | | | | | **1,537** | | |
| **Rima Ridge** | 35R/50 | 17244 | 10 | 108 | 300 | 500 | 1987 | Active |
| **Rima Ridge** | 36R/51 | 17245 | 10 | 124 | 300 | 500 | 1987 | Active |
| **Rima Ridge** | 37R/52 | 17246 | 10 | 120 | 300 | 500 | 1994 | Active |
| **Rima Ridge** | 38R/53 | 17247 | 10 | 120 | 300 | 500 | 1994 | Active |
| **Rima Ridge** | 39R/54 | 34010 | 12 | 120 | 300 | 500 | 2010 | Active |
| **Rima Ridge** | 40R/55 | 34011 | 12 | 112 | 300 | 500 | 2010 | Active |
| **Rima Ridge** | 41R/56 | 34012 | 12 | 120 | 300 | 1000 | 2010 | Active |
| **Rima Ridge WF Total GPM** | | | | | | **4,000** | | |
| **Breakaway Trail (Irrigation)** | 2 Breakaway | 17799 | 8 | 100 | 260 | 215 | 1985 | Active |
| **Breakaway Trail (Irrigation)** | 3 Breakaway | 17800 | 8 | 100 | 260 | 260 | 1985 | Active |
| **Breakaway Trail (Irrigation)** | 4 Breakaway | 17801 | 8 | 100 | 260 | 225 | 1985 | Active |
| **Breakaway Trail Total GPM** | | | | | | **700** | | |
| **Maximum Production GPM (All Wellfields)** | | | | | | **9,692** | | |

Utilizing the maximum production GPM value calculated within ***Table 2-1***, the City can theoretically withdrawal 9,692 GPM from the upper Floridan aquifer in its current condition. This flow rate translates to 13.9 million gallons per day (MGD). Removing the BAT reclaimed augmentations wells from the equation, however, results in a theoretical maximum production value of 8,992 GPM or roughly 12.9 MGD. This 12.9 MGD value is the City's current maximum production capability as of 2019. ***Figure 2-1*** shows the geographic location of all wells throughout the City's service area.

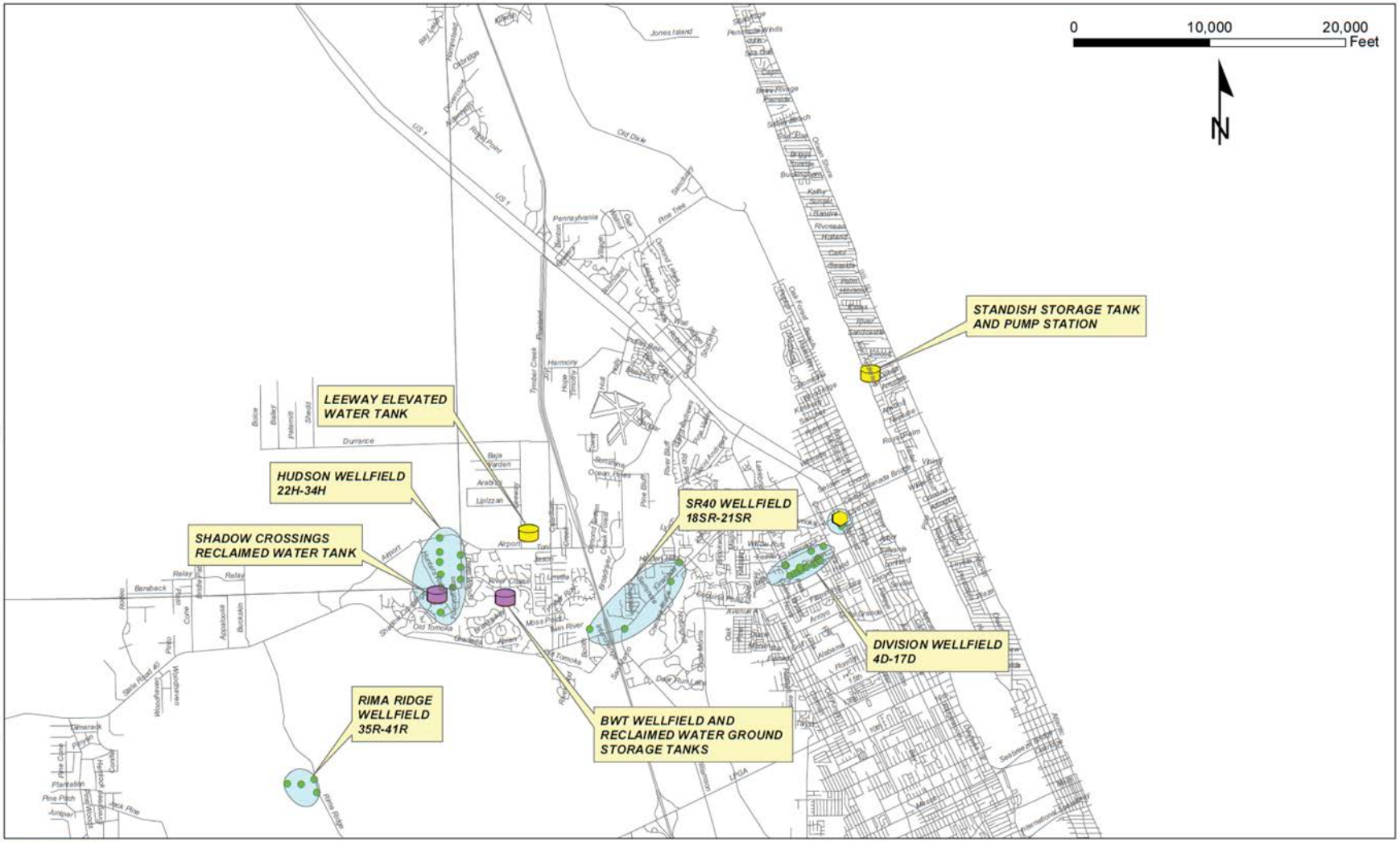
### 2) Existing Wellfield Water Quality

The primary water quality concern for the City's existing wellfields are chloride levels. ***Table 2-2*** summarizes the overall chloride levels for the Division and SR40 wellfields from 2015 to the middle of 2019. The Hudson, Rima Ridge, and BAT wellfields are not required to have their chlorides documented and recorded at this time. Typical chloride levels are a concern and considered elevated when they exceed 250 mg/L. As such, wells numbered 4D, 5D, 6D, 8D, and 16D all have experienced 'high' levels of chlorides within the past few years. Having chloride levels that exceed 250 mg/L is not a critical concern due to the City having a reverse osmosis membrane water treatment plant, but high chloride levels typically increase overall treatment, operating, and maintenance costs. As such, the City should moderate usage of the aforementioned wells that have experienced high chlorides levels to the maximum extent allowable within their CUP limits.

Wells numbered 18SR and 20SR are noted as being offline and in need of repairs or relocation. The City should plan to reestablish these wells in the near future. Having these wells back online would aid the City with raw water supply capacity, wellfield rotation, and would likely help in lowering the measured chloride levels.

*Table 2-2: Existing Wellfield Chloride Levels*

| Well ID | 2019 Chloride Average (mg/L) | 2018 Chloride Average (mg/L) | 2017 Chloride Average (mg/L) | 2016 Chloride Average (mg/L) | 2015 Chloride Average (mg/L) |
|---|---|---|---|---|---|
| **4D** | 693.5 | 637.5 | 798.0 | 917.3 | 1139.5 |
| **5D** | 132.0 | 113.5 | 171.25 | 169.0 | 294.3 |
| **6D** | 156.5 | 228.0 | 243.0 | 264.5 | 206 |
| **7D** | 94.9 | 128.9 | 146.8 | 79.3 | 82.4 |
| **8D** | 215.0 | 228.3 | 235.3 | 252.8 | 214.7 |
| **9D** | 76.1 | 79.6 | 77.0 | 78.6 | 81.3 |
| **10D** | Offline | Offline | Offline | Offline | 104.0 |
| **11D** | 90.2 | 92.3 | 94.2 | 87.7 | 77.0 |
| **12D** | 105.9 | 103.0 | 98.1 | 103.3 | 100.2 |
| **15D** | Offline | Offline | Offline | Offline | 391.0 |
| **16D** | 627.5 | 524.5 | 564.5 | 647.5 | 719.8 |
| **17D** | 204.5 | 122.0 | 103.9 | 108.4 | 128.0 |
| **18SR** | Offline | Offline | Offline | Offline | Offline |
| **19SR** | 61.5 | 58.2 | 58.2 | 61.1 | 61.0 |
| **20SR** | Offline | Offline | Offline | Offline | Offline |
| **21SR** | 65.5 | 59.9 | 59.1 | 64.8 | 64.6 |




CITY OF ORMOND BEACH
WESTERN SERVICE AREA
MASTER PLAN UPDATE
Figure 2-1 PRIMARY WATER COMPONENTS

Mead & Hunt

These documents shall not be used for any purpose or project for which it is not intended. Mead & Hunt shall be indemnified by the client and held harmless from all claims, damages, liabilities, losses, and expenses, including attorneys' fees and costs, arising out of such reuses or reuses of the documents. Any other use or reuse by owner or by others will be at owner's sole risk and without liability or legal exposure to Mead & Hunt. In addition, unauthorized reproduction of these documents, in part or as a whole, is prohibited.

## II. SCOPE OF SERVICES

The work shall be performed on an "as needed basis" for the Utilities Division of the Public Works Department. Awarded firms will be responsible for services as described below, consisting of Initial Well Assessments, Rehabilitation and Repair Services, Emergency Services, and General Services. Completion of a separate FEE SCHEDULE with Tasks 1 through 3 (included with these documents) is a required submittal of the bid proposal.

1. Initial Well Assessment (Task 1 of the FEE SCHEDULE)

The Contractor shall be responsible to conduct an initial assessment of each well as assigned by an authorized City representative. Each assessment shall consist of a physical inspection of each well to include as follows:

a. Remove & store motor, pump, column and all related appurtenances.
b. Perform a diagnostic evaluation of the condition and functionality of mechanical components.
c. Perform video logging during the assessment phase of services on a case by case basis as directed by authorized City representative. Fee for logging services will be negotiated on a case by case basis, and added to the Lump Sum Assessment fee.
d. Prepare and submit a written Well Inspection Report to the authorized City representative (see Sample Well Inspection Report). The report shall contain the following information:
    i. List of well defects
    ii. Proposed corrective action plan for repair/rehabilitation of the well to optimum operational performance.
    iii. Not-to-Exceed Time & Material cost estimate (in accordance with approved Fee Schedule) and schedule (# of days) to complete the repair/rehabilitation.
    iv. Copies of all supporting documentation i.e. photographs, test results, etc. shall be submitted as supporting documentation of the initial assessment.

Well Inspection Report Review and Approval - Each Well Inspection Report shall be reviewed by an authorized City representative. Implementation of a corrective action plan approved by the City shall be authorized in the form of a written Contract Task Order ***prior*** to any repair/rehabilitation work being performed. Upon receipt of a fully executed Task Order, the Contractor shall proceed with implementation of the scope of work of corrective action plan.

Well Inspections Reports not approved by an authorized Ormond Beach representative shall be returned to the Contractor with comments/suggestions and the corrective action plan shall be revised and re-submitted along with any revised cost estimate and schedule by the Contractor to the City until a plan is agreed to by all parties and a Task Order is issued to authorize the work. Upon receipt of a fully executed Task Order, the Contractor shall proceed with implementation of the scope of work of corrective action plan.

Payment Method - The Contractor shall be paid a Lump Sum fee for the Initial Assessment Report upon completion of the assessment and submission of a comprehensive Well Inspection Report in accordance with the approval Fee Schedule for each Initial Well Assessment conducted.

2. Rehabilitation/Repair Services (Task 2 of the FEE SCHEDULE)

The Contractor shall be responsible to provide all labor, materials, equipment and any other items necessary to:

a. Rehabilitate/repair each well in accordance with a City approved corrective action plan authorized in writing by a fully executed Contract Task Order.
b. Provide 48 hour notification to the City prior to completion of the work for the purpose of scheduling inspection and verification of the rehabilitation work.
c. Upon inspection of the work the Contractor shall be required to provide performance testing as directed by the City.
d. Well Development services may be required by the City on a case by case basis.

Payment Method – The Contractor shall be paid on a Time & Material Not-To-Exceed basis in accordance with the Fee Schedule rates approved at the time of contract signature and cost estimate submitted and approved with the corrective action plan.

3. Emergency Services (Task 3 of the FEE SCHEDULE)

From time to time the City may experience emergency situations with potable water wells. This contract shall include emergency response and repairs as situations occur.

a. Mobilization - The Contractor shall be required to have the capability to mobilize and assess emergency situations within 24 hours of initial contact from an authorized City representative.
b. Assessment and Approval - The Contractor shall provide a written assessment of the emergency condition along with a corrective action plan including a cost proposal and schedule for the necessary repairs to the City for review and approval. Upon approval by the City an emergency Task Order will be issued authorizing implementation of the repairs.
c. Implementation of Repairs - The contractor shall provide all labor, materials, equipment and any other items needed to make all necessary repairs approved by the City to return the well and/or well pumping appurtenances to a fully functional and operating condition.

Payment Method – The Contractor shall be paid a Lump Sum Fee for Emergency Mobilization and Emergency Assessment. The Contractor shall be paid on a Time & Material Not-To-Exceed basis for repairs performed under Emergency Services in accordance with the Fee Schedule rates effective at the time of the needed services and cost estimate submitted and approved with the corrective action plan.

4. General Services (To be included as part of the FEE SCHEDULE in Task 1)

The following general services shall be provided by the Contractor prior to placing the well into service, following the final evaluation or rehab/repair task:

a. Well Disinfection: Contractor shall properly disinfect the well per AWWA standards, and receive proper bacteriological clearance prior to placing any well back in service. Bacteriological sampling and analysis will be provided by the City at no cost to the Contractor. In the event where bacteriological samples fail, the Contractor shall re-perform disinfection procedures at no additional cost until bacteriological samples pass.

b. Site Restoration: Contractor shall restore job site to original or better condition following completion of evaluation and/or rehab/repair work. It is strongly recommended that the Contractor document the pre-existing condition of the work area with photographs or video prior to mobilizing equipment or materials. Site Restoration shall include, but is not limited to, repair of damaged site features or structures (i.e. grading, seed/sod, structural, piping, electrical), and removal of construction debris generated during the course of work.

Payment Method – The above noted general services shall be included in the lump sum price for Initial Assessment services (in Task 1 above)

5. Additional Requirements

Successful firms shall comply with all safety standards and regulations as required by the City of Ormond Beach, OSHA and any other local, state or federal regulations that may be applicable to a particular project. The Contractor shall be required to complete and submit a Certificate of Compliance with the Florida Trench Safety Act.

All workmanship shall be warranted for a period of one (1) year upon acceptance of the work by the City. All materials and/or equipment installed during the performance of the services shall be warranted for the manufacturers stated warranty and the Contractor shall be responsible for any associated labor required to repair and/or replace warranted materials and/or equipment that is not covered under the manufacturer's warranty.

Upon completion of the work the Contractor shall be required to submit a comprehensive written summary of all work performed.

6. Additional Services

In the event that additions or changes to the scope, cost or schedule of an approved Task Order change during the performance of the work, a change order to the Task Order authorizing the work shall be issued. Within seven (7) working days of identifying variances the Contractor shall prepare and submit a written proposal to the authorized City representative for review and approval. The proposal shall include a clear and comprehensive explanation and adequate documentation of any changes. All changes must be approved by the authorized City representative prior to any work being performed. Any work performed by the Contractor without written authorization in the form of a fully executed change order is done so at the Contractor's own risk.

7. Contract Exclusions

This contract does not include new well construction.

## III. TERM OF AGREEMENT

The initial term of this agreement shall be for a period of three (3) years and will be automatically renewed for two (2) additional one (1) year periods thereafter unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the agreement. The contract duration shall not exceed five (5) years. All terms and conditions shall remain firm for the initial three (3) year period and any optional renewal period of this contract based on contractor's acceptance, level of performance and approved funding.

## IV. PROPOSAL COMPONENTS

Submittals will not be evaluated on the aesthetics of the package. Non-recyclable materials are discouraged. Points may be deducted for Responses that exceed seventy-five (75) pages.

The proposal shall include the following:

a. Title Page: Title page marked, "**WATER WELL ASSESSMENT AND REHABILITATION SERVICES**", the firm's name; the name, address and telephone number of a contact person; and the date of the proposal.

b. Table of Contents: Include a clear identification of the material included in the proposal by page number.

c. Standard General Requirements: Include Proposer's name and principal address; contact person's name and title; telephone and fax number; FEIN; number of years organization has been in business; number of years your firm has been in business under your present business name; number of years your firm has been in business in work specific to this RFP; names and titles of all officers, partners or individuals doing business under trade name; statement of whether your firm has ever failed to complete work awarded to you; list all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organization(s) during the last five (5) years; list and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants; state whether the Proposer, its principals, officers or predecessor organization(s) have been CONVICTED of a Public Entity Crime, debarred or suspended from bidding by any government entity.

d. Transmittal Letter: A signed letter of transmittal briefly stating the proposer's understanding of the work to be done, the commitment to perform the work within the time period, a statement why the firm believes itself to be best

qualified to perform the engagement and a statement that the proposal is a firm and irrevocable offer for the engagement period. The transmittal letter shall have an original signature of an authorized official of the firm who has been designated to submit the proposal on behalf of the firm.

e. Technical Qualifications of Firm: Provide a description and overview of firm, including the size, range of activities, licenses, certifications etc. Detail expertise in, and experience with water well assessment, rehabilitation and repair of water well pumping systems of similar size and pumping capabilities. Identify any subcontractors(s) that will be involved if work not performed in house, including address and a description of qualifications.

f. Technical Qualifications of the Project Team: Identify the primary individuals (Project Team) who will be responsible for supervising, managing and executing the work for this Contract. Include their years of experience as well as the number of years with the company. List all certifications appropriate to the work (Limit response to two pages maximum per person).

g. References: Using the "List of References" sheet supplied herewith, provide list of six (6) utility clients for whom work has been performed within the past 5 years. Be sure to include:
   i. Entity/Client
   ii. Location
   iii. Year Completed
   iv. Client contact name, Phone and Email
   v. Types of equipment serviced

h. Responsiveness: Describe your approach to timely completion of work and provide general turnaround times.

i. Location: Provide shop location(s) where the bulk of work will occur and indicate which member of the Project Team primarily works from each. Provide information on alternate or backup facilities, if available. Points shall be awarded as follows: Within 25 miles of Ormond Beach City Hall (20 points), Within 50 miles of Ormond Beach City Hall (15 points), Within 100 miles of Ormond Beach City Hall (10 points), Beyond 100 miles of Ormond Beach City Hall (5 points)

j. Pricing: Provide not to exceed pricing using the FEE SCHEDULE (provided within this contract document).

k. Completeness: Submission of all information, as required, and evaluation to verify that the information supplied in the proposal is accurate and thorough. Bidder may choose to supply additional relevant information not specifically requested.

**RFP 2025-38: WATER WELL ASSESSMENT & REHABILITATION SERVICES**
**WATER WELL ASSESSMENT REPORT**

INSPECTING COMPANY NAME:

WELL SITE: WELL#:

ASSESSMENT: SCHEDULED or EMERGENCY (Circle One)

ASSESSMENT/INSPECTION FINDINGS:

CORRECTIVE ACTION PLAN [Attach Cost Estimate w/Schedule to complete (# of days)]

ADDITIONAL NOTES/COMMENTS:

Inspector Name (Print):

Inspector Signature: DATE:

Authorized City Representative (Print)

Authorized City Representative Signature: DATE:

(attach additional pages as needed)

# RFP 2025-38 WATER WELL ASSESSMENT AND REHABILITATION SERVICES
# FEE SCHEDULE

COMPANY NAME_____

**TASK 1** **INITIAL WELL ASSESSMENT** **Lump Sum:** _____

Video Logging Services (as directed) **Lump Sum:** _____

**TASK 2** **REHABILITATION & REPAIRS** **Time & Materials**

| *LABOR CODE NAME* | *STRAIGHT TIME RATE/HR* | *O/T RATE/HR* | *PREMIUM RATE/HR* |
|---|---|---|---|
| Superintendent | | | |
| General Foreman | | | |
| Working Foreman | | | |
| Electrician | | | |
| Carpenter | | | |
| Mechanic | | | |
| Truck Driver | | | |
| Equipment Operator | | | |
| Laborer (Skilled) | | | |
| Laborer (Unskilled) | | | |
| Additional Labor Codes Not Shown Above (use additional sheets if needed) | | | |
| | | | |
| | | | |

**Subcontractors:** Cost+ Overhead & Profit (0/H & P Not to Exceed 15%)
**Materials:** Cost+ Overhead & Profit (0/H & P Not to Exceed 15%) Equipment
Rental: Cost+ Overhead & Profit (O/H & P Not to Exceed 15%)

**TASK 3** **EMERGENCY REPAIRS** (as needed basis)

Emergency Mobilization (24 Hr Response) **Lump Sum:** _____

Emergency Assessment **Lump Sum:** _____

Repairs **Time & Material Rates same as abov**

**WATER WELL ASSESSMENT AND REHABILITATION SERVICES**
**RFP NO. 2025 – 38**

**LIST OF REFERENCES**

| | |
|---|---|
| **1. Entity/Client** | |
| **Location** | **Year Completed:** |
| **Client Contact Name** | |
| **Email** | **Phone:** |
| **Types of service provided** | |
| | |
| | |

| | |
|---|---|
| **2. Entity/Client** | |
| **Location** | **Year Completed:** |
| **Client Contact Name** | |
| **Email** | **Phone:** |
| **Types of service provided** | |
| | |
| | |

| | |
|---|---|
| **3. Entity/Client** | |
| **Location** | **Year Completed:** |
| **Client Contact Name** | |
| **Email** | **Phone:** |
| **Types of service provided** | |
| | |
| | |

| **4. Entity/Client** | |
|---|---|
| **Location** | **Year Completed:** |
| **Client Contact Name** | |
| **Email** | **Phone:** |
| **Types of service provided** | |
| | |
| | |

| **5. Entity/Client** | |
|---|---|
| **Location** | **Year Completed:** |
| **Client Contact Name** | |
| **Email** | **Phone:** |
| **Types of service provided** | |
| | |
| | |

| **6. Entity/Client** | |
|---|---|
| **Location** | **Year Completed:** |
| **Client Contact Name** | |
| **Email** | **Phone:** |
| **Types of service provided** | |
| | |
| | |

## V. PROPOSAL SUBMITTAL

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than 2:00 p.m., August 27, 2025.

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until August 18th at 4:00 PM. Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart
City of Ormond Beach
22 South Beach Street, Room 102
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
FAX: (386) 676-3374
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP

title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

## VI. EVALUATION PROCESS AND CRITERIA

The City of Ormond Beach will conduct an evaluation of all proposals, submitted by the deadline, to determine compliance with proposal requirements and mandatory document submissions. The committee will consist of three individuals from the Utility Department. The committee will evaluate proposals and select the Proposer that meets the best interests of the City, and will make a recommendation of Award of Contract to the City Commission.

**The City reserves the following rights:**

- Modify, extend, or cancel this RFP at any time to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Issue a new RFP with terms and conditions that are the same, similar or substantially different as those set forth in this or a previous RFP in order to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Conduct pre-award discussion and/or pre-award negotiations with any or all responsive and responsible proposer(s) who submit proposals determined to be

reasonably acceptable of being selected for award; and, conduct personal interviews or require presentations of any or all proposer(s) prior to selection.

- Request that proposer(s) furnish additional information as the City may reasonably require.

- Accept or reject qualifications or proposals in part or whole, and/or waive any defect or deficiency in any proposal, if in the City's sole judgment, the defect or deficiency is not material in response to this RFP;

- Limit and/or determine the actual contract services to be included in a contract.

- Engage outside experts to assist staff in evaluating the merits and viability of each proposer.

- Obtain information for use in evaluating submittals from any source.

- Verify the information received in the proposal. If a proposer knowingly and willfully submits false information or data, the City of Ormond Beach reserves the right to reject that proposal. If it is determined that an Agreement was awarded as a result of false statements or other data submitted in response to this RFP, the City of Ormond Beach reserves the right to terminate the Agreement.

The City shall be the sole judge of the proposer's qualifications.

**Evaluation Criteria:**

For the purposes of further evaluation, the responsive proposals will be evaluated on, but shall not be limited to, consideration of the following criteria:

| EVALUATION CRITERIA | MAXIMUM POSSIBLE POINTS |
|---|---|
| Technical Qualifications | 20 |
| Experience | 20 |
| Capability & Past Performance | 20 |
| Location | 20 |
| Pricing | 20 |
| **TOTAL** | 100 |

Responsive proposals will be ranked in each of the criteria

# REGISTRATION AND INSURANCE REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS



## Registration Requirements

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:
Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

## State Certified/Registered Contractors

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org
https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

## EXHIBIT A
## Risk Management and Insurance Requirements

### A. Payment and Performance Bonds

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

**ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

**3.** The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

**4.** The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

**5.** The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

**6.** The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

**7.** In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

**8.** In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

**9.** The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

**10.** The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney’s fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor’s liability hereunder shall include all attorney’s fees and costs incurred by the City in the enforcement of this provision.

**2. Payment on Behalf of City**

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

**3. Loss Control/Safety**

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

**4. Service Bond**

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor’s employees against the City. A copy of the bond shall be provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

**1. General**

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor’s employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor,

or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

**2. Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions

e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder's Risk

Contractor shall purchase Builder's Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

## D. Requirements for Certificates of Insurance

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

**2.** New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

**3.** If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

**4.** For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the

Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

**5.** If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

## E. Policies of Insurance

**1.** Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of “Best’s Key Rating Guide”, published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

**2.** For Workers’ Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

**3.** All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

**4.** The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

**1.** Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

**2.** Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

**3.** Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

**4.** Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

**5.** Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

_____
COMPANY NAME

_____
AUTHORIZED SIGNATURE

_____
NAME

_____
TITLE

_____
DATE

# City of Ormond Beach
# Request for Proposals (RFP)
# WATER WELL ASSESSMENT AND REHABILITATION SERVICES
# (RFP No. 2025-38)

## RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought

by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: _____

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: _____

_____

_____

_____

PHONE NO.: _____ FAX NO.: _____

SUBMITTER'S NAME: _____
(Typed or Printed in Ink)

TITLE: _____

**AUTHORIZED SIGNATURE**: I, _____
hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

*THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL*

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

_____

COMPANY NAME

_____

AUTHORIZED SIGNATURE

_____

SIGNER'S NAME (PRINT OR TYPE)

_____

TITLE

_____

DATE

*THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL*

# City of Ormond Beach
# Request for Proposals (RFP)
# WATER WELL ASSESSMENT AND REHABILITATION SERVICES
# (RFP No. 2025-38)
# CITY OF ORMOND BEACH, FLORIDA
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Company Name

Authorized Signature

Print Name

Title

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the _____ of _____
   (Title) (Business Name)
   which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: _____, 20____ Signed: _____

Entity: _____ Name: _____

Title: _____

STATE OF: _____ COUNTY OF: _____

The foregoing instrument was acknowledged before me by means of ☐physical presence or ☐online notarization, this_____ day of_____,20_____, by_____ and who: ☐ Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

My commission expires: _____

***This document must be completed and returned with your Submittal***

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is _____. I am over the age of Twenty-one years old. I am the _____ of_____, a non- governmental entity which does
   **(Title)** **(Business Name)**
   business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: _____, 20___

Signed: _____
Print Name: _____
Title: _____

SUBSCRIBED AND SWORN before me by means of [__] physical presence or [__] online notarization on the ____ day of _____, 20___ by _____ as _____ on behalf of _____ who is personally known to me or who has produced _____ as identification.

(Notary Seal)

_____

Notary Public, State of _____
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.W. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Disposition Item |
| **Subject** | RFP - State of Florida Legislative Lobbying Services | | |
| **Recommended Action** | Staff intends to proceed with advertising the attached RFP for legislative lobbying services, unless otherwise directed. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | Economic Development<br>Brian Rademacher, Economic Development Director | | |


Summary

In 2021, the City issued an RFP to retain the services of a qualified firm to represent the City's interest in the state legislature. The firm Metz, Husband & Daughton, PA was selected. The services performed under the current contract expire in November 2025, and it is necessary to seek proposals as part of the City's competitive bidding process in anticipation of next year's legislative session in Tallahassee. The City seeks qualified proposals to provide the following services:

1. Review on a continuing basis all existing and proposed State of Florida policies, programs and legislation affecting the City. Identify those issues that may affect the City or its citizens, and regularly inform the City as to such matters, both orally and in writing. Provide legislative expertise and consulting services.
2. Review the legislative policy statements of other governments and lobbying groups for the purpose of identifying issues which may either positively or negatively affect the City.
3. Monitor, analyze and track authorizations and appropriation bills and recommend appropriate strategies.
4. Assist the City Commission, City Manager, and staff in the coordination and development of the City's legislative program. These issues may include: public safety, law enforcement, economic development, infrastructure improvements, telecommunications, transportation, environmental, water and sewer, coastal resiliency, revenue enhancement, mandates and other issues.
5. Monitor State of Florida legislative committee meetings, agency hearings and meetings prior to and during the regular and special legislative session(s) at which specific issues within the City's adopted legislative program are considered, as well as others that may arise that affect the City.

6. Facilitate meetings between and with state legislators and state agencies regarding the needs of the City of Ormond Beach.

During the next year, we anticipate many policy issues will dominate the legislative process. We also expect the selected firm will play a major role in facilitating economic development initiatives with the state legislature.

Financial Impact

The fee for services will be competitive and dependent on the proposal received. Funding for the program has been included in the FY 2025-26 Proposed Budget of the City Commission.

Citizen Impact

Legislative services are an important function as staff seek opportunities to influence the annual legislative process to supplement City revenue for water, sewer, recreational and economic development funding.

Attachments

1. RFP 2025-36 State of Florida Legislative Lobbying Services

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: **State of Florida Legislative Lobbying Service**

RFP NUMBER:**2025-36**

RFP OPENING DATE & TIME: August 27, 2025 @ 3:00 PM

RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**

PRE-PROPOSAL MEETING DATE & TIME: **None**

PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: _____

PROPOSER'S MAILING ADDRESS: _____

CITY-STATE-ZIP: _____

F.E.I.N.: _____
PHONE NUMBER: _____

EMAIL: _____
If returning as a "No Submittal", please state reason (s _____

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

_____
NAME (TYPED)

_____
TITLE

_____
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES**: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS**. The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S**: The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES**: All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING**: Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**PROCUREMENT COMMUNICATION PROTOCOL:** To protect the integrity of the procurement process, respondents, suppliers, contractors, sub-contractors or person acting on behalf of any of the above are prohibited from all communications regarding the solicitation with City staff, City consultants, City legal counsel, City agents, or elected officials unless such communication is specifically authorized in the City's solicitation or addenda. Violation of this provision may be grounds for rejecting a response.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS**: The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY**: The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES**: The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

CITY CLERK
22 SOUTH BEACH STREET
ORMOND BEACH, FLORIDA 32174
(386)677-0311
CITYCLERK@ORMONDBEACH.ORG
or online at
https://www.ormondbeach.org/prr

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

## TERMS AND CONDITIONS

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

# Request for Proposals
# for State of Florida Legislative Lobbying Services
City of Ormond Beach RFP No. 2025-36

The purpose of this RFP is to solicit proposals to select an experienced and qualified law firm, governmental affairs consulting firm, business, individual and/or a combination thereof to provide the City of Ormond Beach with governmental representation before the executive and legislative branches of the State of Florida government.

The intent of the City is to select one (1) firm to provide the desired professional services

## A. QUALIFICATION AND EXPERIENCE

To be eligible to respond to the RFP, the Proposer must demonstrate that they or the principals assigned to this project has successfully performed services described in the Scope of Services of this RFP. Respondents not meeting minimum requirements will not be considered for evaluation by the committee.

1. Proposers must be able to provide a minimum of three (3) public sector clients for whom you have performed the indicated services, and have significant accomplishments in the areas of legislation and appropriations within the past three (3) years.

2. The selected Proposer should, at a minimum, possess:
   a) strong working knowledge of legislative, administrative, and regulatory processes at the state level;
   b) clear understanding of coastal communities, including specific knowledge of the City of Ormond Beach and the state of Florida programs administered by the City and a knowledge of the funding needs and policy issues important to the City;
   c) history of successful lobbying experience at the state level;
   d) clear strategy for representing the City at meetings with key legislators and members of the executive branch;
   e) ability to liaison with members of the House/Senate, state agencies, and the Governor's office;
   f) expertise to provide legal and legislative research upon request;
   g) resources to attend legislative and administrative hearings, monitor legislative and administrative developments, and report back to City staff;
   h) experience in identifying and securing various sources of state funding;
   i) experience in coordinating communications and meetings with House/Senate and the Administration;
   j) experience in working with Senate and House committees;
   k) resources to help facilitate meetings with and communications between committee leadership and senior staff;
   l) ability to provide timely notice of hearings.
   m) ability to provide written and verbal reports.

3. The selected Proposer should possess a substantial knowledge of past and existing economic development, commerce, and tourism issues including but not limited to:
   a) knowledge of governmental activities and legislative actions related to local, regional and statewide economic development issues (i.e. incentives, workforce development, business licenses, small business development, etc);
   b) experience in establishing relationships with key members of the legislature in leadership positions, senior staff, and key administration officials including the

Department of Business and Professional Regulation, Department of Economic Opportunity and Enterprise Florida.

c) experience identifying grant programs and successful experience securing funding from such grant programs that support local and regional economic development.

4. The selected Proposer should possess substantial knowledge of past and existing issues regarding Home Rule including, but not limited to:
    a) have comprehensive knowledge and experience regarding previous and current issues facing local units of government in Florida that affect the City's ability to govern itself;
    b) experience in establishing relationships with members of the legislature and coordinating visits and/or conference calls to review proposed legislation or ideas in order to make the City's position known.

## B. SCOPE OF SERVICES AND SPECIAL REQUIREMENTS

The City seeks qualified Proposer's to provide the following Services:

1. Review on a continuing basis all existing and proposed State of Florida policies, programs and legislation affecting the City. Identify those issues that may affect the City or its citizens, and regularly inform the City as to such matters, both orally and in writing. Provide legislative expertise and consulting services.

2. Review the legislative policy statements of other governments and lobbying groups for the purpose of identifying issues, which may either positively or negatively affect the City.

3. Monitor, analyze and track authorizations and appropriation bills and recommend appropriate strategies.

4. Assist the City Commission, City Manager, and staff in the coordination and development of the City's legislative program as well as facilitate for City officials and staff to participate in forming key legislation.

5. Coordinate visits between the City and elected representatives and key delegates in leadership positions in order to develop ongoing relationships and to discuss issues important to the City of Ormond Beach including but not limited to economic development and Home Rule.

6. Monitor State of Florida legislative committee meetings, agencies hearings and meetings prior to and during the regular and special legislative session(s) at which specific issues within the City's adopted legislative program are considered, as well as others that may arise that affect the City.

## C. RESPONSIBILITIES OF THE PROPOSER

The successful Proposer shall perform the scope of services as contained in the RFP specifications. This list of services shall not be deemed all-inclusive and may be changed from time to time as authorized by the City Manager.

## D. DELIVERABLES

Required reports may include but not necessarily be limited to, personal briefings and information bulletins pertinent to any legislations, rules, or regulations and other federal policies or programs that affect the City and its citizen either directly or indirectly.

1. During those months that legislature is in session a customized written summary report shall be submitted at the end of each week detailing legislative action during the week, status of legislative issues, anticipated legislation and committee meetings for the upcoming week, and suggested action plan that the City administrators or elected official may implement.

2. At the close of session a customized written report that summarizes the status of the City's legislative priorities shall be provided within one (1) week of the closing of the session and a more detailed final report written report on any specific legislation and new requirements affecting the City shall be provided within a reasonable time period, not to exceed thirty (30) days from the close of session.

3. During those months that legislature is not in session provide periodic written reports (at least monthly) on issues of interest or concern to the City. Such information may include, but not limited to action taken at interim committee meetings, rulemaking hearings, status of studies underway, and notice of legislation being proposed.

4. Over the course of each calendar year the selected proposer will coordinate a series of meetings between the City and key elected representatives and relevant State Agencies to discuss the City's projects, priorities, and to build relationships with the executive and legislative branch in Tallahassee.

## E. MANDATORY SUBMITTAL REQUIREMENTS

### 1. Proposers Experience, Qualifications and Past Performances

a) Provide a brief introduction narrative letter highlighting the qualifications of the firm including component firm(s), legal nature of organization and number of years in existence and primary markets served.
b) Describe the Proposer's past performance and experience in governmental representation and consulting. Discuss in detail the extent of the Proposer's lobbying experience, including the use of any sub consultants and their role in any engagement(s) of the Proposer.
c) Specifically address the areas listed in the Qualifications and Experience.
d) Provide a listing of three (3) comparable contracts (similar in the scope of services to those requested herein) which the Proposer has either ongoing or completed within the past three (3) years. Describe those projects performed by government client or similar size private entities. The listing should identify the following:
    - Client
    - Description of work
    - Total dollar value of the contract
    - Dates covering the term of the contract
    - Client contact person, phone number and email
    - Results of the project

### 2. Key Personnel and Subcontractors Performing Services

a) Provide an organization chart showing all key personnel, including their titles, to be assigned to this project. The chart must clearly identify the Proposer's employees and

those of the subcontractors or sub consultants and shall include the functions to be performed by the key personnel.

b) Describe the experience, qualifications and other critical information, including relevant experience on pervious similar projects, of all key personnel, including those of the subcontractor who will be assigned to the project.
c) Provide resumes and job descriptions and other detailed qualifications on all key personnel who will be assigned to this project.

**3. Proposed Approach to Providing the Services and Work Plan**

a) Confirm Proposer's ability to fulfill all elements of the Scope of Work
b) Describe the Proposer's methodology including specific policies, procedures or techniques to be used in performing the services described in the Scope of Work
c) Describe the Proposer's approach to the scheduling of work and prioritizing the City's request
d) Address Proposers ability and approach to complying with the reporting requirements in the Scope of Work. Describe the proposed report outline (i.e. sections, contents, etc.) and attach a sample report (if available)
e) Provide any information regarding the Proposer's general work plan which the Proposer deems relevant
f) Identify if the Proposer has taken any exception to the terms of this Solicitation. If so, indicate what alternative is being offered and the cost implications of the exception(s).

**4. Proposer's ability to assist in formulating and facilitating the City legislative agenda**

a) Provide information on Proposer's ability to understand, formulate, and facilitate the City of Ormond Beach's legislative priorities.
b) Describe how Proposer will assist the City officials in understanding the annual state legislative priorities and developing initiatives that will achieve the greatest success in Florida legislature and relevant state agencies.

**5, Fee Compensation / Expenses**

The proposed fees(s) shall detail all costs: i.e. travel and related incidental out of pocket expenses, lobbying registration, if applicable. Proposer shall not be reimbursed or otherwise paid for internal word processing, data processing or other services (i.e. local telephone serviced, copied, mail or postage services) that would reasonably be deemed the Proposers overhead expense. Proposers will be reimbursed on a quarterly basis as a flat fee, inclusive of all expenses. Price proposal shall be indicated as follows:

**COST TO THE CITY – Overall Contract:**

Annual FIRM, FIXED TOTAL COST NOT TO EXCEED $_____
(To be paid on a quarterly basis)

**EVALUATION / SELECTION PROCESS**

**Selection Process:**

A Selection Committee (The Committee) consisting of City staff.

The Committee's initial evaluation of Proposers shall be based on the specific project needs and the professional services offered by the Proposer as stated in the Qualifying Information submitted, in accordance with those criteria listed below.

Criteria will be scored on a scale of “0” to “25” with the maximum number of points available for each criterion as noted in this section. The total maximum number of points to be scored under this process is 100.

| | | |
|---|---|---|
| 1. | Proposer’s experience, qualifications and past performance in providing the type of services described in this Solicitation | 20 |
| 2. | Experience and qualifications of key individuals that will be assigned to this project | 20 |
| 3. | Proposer’s approach and scope of work to provide the services described in this RFP | 15 |
| 4. | Proposer’s understanding of major City issues, including specific knowledge of the City of Ormond Beach and ability to establish, maintain, and enhance working relationships between City elected officials and staff, and the executive and legislative branches of the State of Florida government and relevant state agencies. | 20 |
| 5. | Price Evaluation – Firm Fixed Annual Fee | 25 |
| | TOTAL POINTS | 100 |

The selection process will be as follows:

- The Committee will evaluate proposals to ensure compliance with the RFP requirements.
- The Committee will meet in accordance with the Florida Sunshine Law, and rank the proposals in accordance with the RFP evaluation criteria.
- As part of the selection process the highest ranked proposal(s) may be required to conduct a presentation before the Selection Committee.
- The Committee will transmit a ranking of the proposals to the City Commission.
- Applicants shall be notified in writing regarding their ranking.
- The City Commission shall review the recommendations of the Committee and upon approval authorize the Staff to negotiate the terms of the contract.
- The Contract Agreement requires approval by the City Commission at a public meeting.

Note: Discussions and/or interviews with qualified proposer(s) will be conducted after the due date. The City reserves the right to accept or reject any and all proposals, either in whole or in part, with or without cause, waive minor irregularities with any proposal, or make an award that is in its best interest subject to City Commission approval.

**PROPOSAL SUBMITTAL**

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than August 27, 2025 at 3:00 PM

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until the close of business on August 18, 2025 Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart
City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

**ASSIGNMENT OF WORK**

It is the City's intention to solicit responses from interested parties, to evaluate the responses, and to award a contract to one (1) selected Proposer.

**CONTRACT TERM**

The City anticipates awarding the contract for a one (1) year period with an option of three (3) additional years on a year by year basis.

## EXHIBIT A

## REGISTRATION AND INSURANCE REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

Registration Requirements

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:
Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

State Certified/Registered Contractors

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org

https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

### Risk Management and Insurance Requirements

### A. Payment and Performance Bonds

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

**ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

**3.** The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

**4.** The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

**5.** The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

**6.** The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

**7.** In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

**8.** In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within

five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

**9.** The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

**10.** The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

### 2. Payment on Behalf of City

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

### 3. Loss Control/Safety

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are

reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

**4. Service Bond**

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

**1. General**

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

**2. Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder’s Risk

Contractor shall purchase Builder’s Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that

any new policy provides a retroactive date no later than the inception date of claims made coverage.

**D. Requirements for Certificates of Insurance**

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

**2.** New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

**3.** If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

**4.** For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

**5.** If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

**E. Policies of Insurance**

**1.** Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

**2.** For Workers' Compensation coverage only, self-insurance programs are

acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

**3.** All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

**4.** The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

# Authority for Release of Information

I hereby authorize any representative of the City of Ormond Beach bearing this release, or copy thereof, to obtain any information in my files pertaining to credit records, criminal history records, administrative or judicial dispositions concerning the undersigned individual and/or corporations in which the undersigned may be a partner or officer.

I hereby release you, as the custodian of such records both individually and collectively, from any and all liability for damages of whatever kind, which may at any time result to me, my heirs, family or associates because of compliance with this authorization and request to release information.

Signed by:

_____

Name

_____

Date: _____

Witnessed by:

_____

Name

_____

Title

Date: _____

This document must be completed and returned with your Submittal

# Request for Proposals
# for State of Florida Legislative Lobbying Services
City of Ormond Beach RFP No. 2025-36

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

**1.** Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

**2.** Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

**3.** Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

**4.** Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

**5.** Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

_____
COMPANY NAME

_____
AUTHORIZED SIGNATURE

_____
NAME

_____
TITLE

_____
DATE

**Request for Proposals**
**for State of Florida Legislative Lobbying Services**
City of Ormond Beach RFP No. 2025-36

# RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: _____

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: _____

_____

_____

_____

PHONE NO.: _____ FAX NO.: _____

SUBMITTER'S NAME: _____
(Typed or Printed in Ink)

TITLE: _____

**AUTHORIZED SIGNATURE**: I, _____ hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

_____

COMPANY NAME

_____

AUTHORIZED SIGNATURE

_____

SIGNER'S NAME (PRINT OR TYPE)

_____

TITLE

_____

DATE

This document must be completed and returned with your Submittal

# Request for Proposals
# for State of Florida Legislative Lobbying Services
City of Ormond Beach RFP No. 2025-36
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Company Name

Authorized Signature

Print Name

Title

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the _____ of _____
   (Title) (Business Name)
   which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: _____, 20____ Signed: _____

Entity: _____ Name: _____

Title: _____

STATE OF: _____ COUNTY OF: _____

The foregoing instrument was acknowledged before me by means of ☐physical presence or ☐online notarization, this_____ day of_____,20_____, by_____ and who: ☐ Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of _____: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

My commission expires: _____

This document must be completed and returned with your Submittal

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is _____. I am over the age of Twenty-one years old. I am the _____ of_____, a non- governmental entity which does
   **(Title)** **(Business Name)**
   business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: _____, 20___

Signed: _____
Print Name: _____
Title: _____

SUBSCRIBED AND SWORN before me by means of [__] physical presence or [__] online notarization on the ____ day of _____, 20__ by _____ as _____ on behalf of _____ who is personally known to me or who has produced _____ as identification.

(Notary Seal)

_____
Notary Public, State of _____
*Printed name, commission and expiration of commission term*

This document must be completed and returned with your Submittal

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.X. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Disposition Item |
| **Subject** | RFP - Ticketing Software Solution for the Ormond Beach Performing Arts Center | | |
| **Recommended Action** | Staff intends to proceed with advertising RFP No. 2025-50, Ticketing Software Solution for the Ormond Beach Performing Arts Center. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Leisure Services<br>Robert Carolin, Leisure Services Director | | |


Summary

The purpose of this item is to provide notice of staff's intent to proceed with advertising the Request for Proposals (RFP) No. 2025-50 for Ticketing Software Solution for the Ormond Beach Performing Arts Center.

The newer ticketing platforms utilize a per-ticket fee model, with charges typically ranging from $1.50 to $2.25 per ticket sold. These fees are applied directly to the consumer at the point of sale and are not an out-of-pocket expense for the venue. Additionally, under our current fee structure, we recover these costs during contract settlement, as we receive a fee per ticket sold from producers. If you were to base new software costs strictly on our current sales volume, the technical cost to us within the contract would equate to approximately $18,000 annually at $1.50 per ticket (12,000 tickets x $1.50), or $27,000 annually at $2.25 per ticket (12,000 tickets x $2.25), depending on the fee rate established. This contractual cost would be paid from our ticketing account as part of the operating expenses tied to the platform.

This RFP will solicit competitive sealed proposals to provide a comprehensive, cloud-based ticketing software solution. The intent is to select a vendor that offers a modern, user-friendly platform to manage ticket sales, customer engagement, reporting, and integrations with marketing and donor systems.

This RFP will be advertised beginning July 27, 2025, with the RFP opening on August 28, 2025. An agreement with the recommended vendor will be brought back to the City Commission for approval.


Financial Impact

The budget impact will be determined by the proposals and all expenses related to ticketing are currently housed in account Ormond Beach Performing Arts Center ticket sales account 001.347062.

Citizen Impact

Solicitation of proposals ensures a transparent process for selecting a qualified vendor.

Attachments

1. RFP 2025-50 Ticketing Software Solution for Ormond Beach Performing Arts Center

# City of Ormond Beach

22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3223


# REQUEST FOR PROPOSALS

PROPOSER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

RFP TITLE: Ticketing Software Solution for Ormond Beach Performing Arts Center

RFP NUMBER:**2025-50**

RFP OPENING DATE & TIME: August 28, 2025, at 2:00 PM

RFP OPENING LOCATION: **City Hall Training Room at Ormond Beach City Hall**

PRE-PROPOSAL MEETING DATE & TIME: **None**

PRE-SUBMITTAL MEETING: **N/A**

**Submittals Received After The Above Date And Time Will Not Be Accepted.**

PROPOSER'S NAME: _____

PROPOSER'S MAILING ADDRESS: _____

CITY-STATE-ZIP: _____

F.E.I.N.: _____
PHONE NUMBER: _____

EMAIL: _____
If returning as a "No Submittal", please state reason (s _____

I certify that this Proposal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Proposal for the same materials, services, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this RFP and certify that I am authorized to sign this RFP for the Proposer. In submitting a RFP to the City of Ormond Beach, the Proposer offers and agrees that if the Proposal is accepted, the Proposer will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City tenders final payment to the Proposer.

X _____
AUTHORIZED SIGNATURE (MANUAL)

_____
NAME (TYPED)

_____
TITLE

_____
DATED

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES**: A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit Proposals on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS**. The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 30 days after bid opening, whichever occurs first. Section 119.071, F.S.

**DISTRIBUTION OF BIDS AND RFP'S**: The City uses the services of DemandStar (www.demandstar.com) to distribute its bids and RFP's on-line on the Internet. If you have received a copy of this RFP from any source other than DemandStar, please be aware that you may not have received the latest version of the RFP or any related addendums.

**SUBMISSION OF RESPONSES**: All Submittals shall be delivered in a sealed envelope. The Request for Proposals (RFP) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope (and on the outside of any express shipping package). The delivery of said submittal to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Submitter. Any submittal received by the Purchasing Office after the specified date and time will not be accepted. Submittals must be presented on forms provided by the City. No other forms will be accepted. Responses submitted by telephone, fax or email will not be

considered. No Submittal may be modified after opening. No Submittal may be withdrawn after opening for a period of ninety (90) days unless otherwise specified.

**EXECUTION OF SUBMITTAL:** Submittals must contain a manual signature of authorized representative in the space(s) provided. Submittals must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Submitter to any Submittal entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.N.) number shall appear in the space(s) provided.

**RFP OPENING**: Submittals shall be opened and the name of the submitters shall be read publicly. No discussion of the Submittals will occur at this time.

**SUBMITTAL TABULATION:** The RFP Tabulation will be posted on Demandstar (www.demandstar.com). Any submitter wishing to receive a paper copy of the tabulation is required to enclose a stamped, self-addressed envelope with their Submittal response.

**CLARIFICATION/CORRECTION OF RFP ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator rob.hart@ormondbeach.org. Those interpretations which may affect the eventual outcome of this Submittal will be furnished in writing to all prospective Submitters. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**PROCUREMENT COMMUNICATION PROTOCOL:** To protect the integrity of the procurement process, respondents, suppliers, contractors, sub-contractors or person acting on behalf of any of the above are prohibited from all communications regarding the solicitation with City staff, City consultants, City legal counsel, City agents, or elected officials unless such communication is specifically authorized in the City's solicitation or addenda. Violation of this provision may be grounds for rejecting a response.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**RESPONSIBILITY DETERMINATION:** Pursuant to the provisions of Florida Statutes Chapter 287.05701, the City does not request or consider a vendor's social, political, or ideological interests in making a responsibility determination.

**LICENSES AND PERMITS:** The Vendor/Contractor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, local laws, rules and regulations required to perform work in accordance with the specifications.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Submittals containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**SILENCE OF SPECIFICATIONS**: The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Submittal and the monies which may become due hereunder are not assignable except with the prior written approval of the City Manager or City Commissioner, whichever authorized the purchase or Agreement.

**LIABILITY**: The Contractor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the Contractor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES**: The Contractor, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Contractor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Submittal prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

**AWARDS:** The CITY reserves the right, in its sole discretion, as the best interest of the CITY may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors, contractors, consultants or specialists; or to reject any and all Submittals or waive any minor irregularity or technicality in the Submittals received.

**OTHER AGENCIES:** All Bidder(s) awarded contracts from this bid or proposal may, permit any municipality or other government agency to participate in the contract under the same prices, terms, and conditions, if agreed to by both parties.

It is understood that at no time will any city, municipality, or other agency be obligated for placing an order for any other city, municipality, or agency: nor will any city, municipality, or agency be obligated for any bills incurred by any other city, municipality, or agency. Further, it is understood that each agency will issue its own purchase orders to the awarded bidder(s).

**COMPLIANCE WITH FLORIDA PUBLIC RECORDS LAW:**

Contractor expressly agrees that it shall comply with the public records law provided in Florida Statutes, Chapter 119, and specifically to:

(a) Keep and maintain public records required by the City to perform the contracted service.
(b) Upon request from the City Clerk, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law.
(c) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the City.
(d) Upon completion of the contract, transfer at no cost, to the City all public records in possession of the contractor or keep and maintain public records required by the City to perform the service. If the contractor transfers all public records to the City upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon the completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City Clerk, in a format that is compatible with the information technology systems of the City.
(e) Failure of the Contractor to comply with Public Records Law as provided by Florida Statutes, Chapter 119, shall subject the Contractor to penalties under Chapter 119.10 and subject this Agreement to termination for cause by the City.

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

CITY CLERK
22 SOUTH BEACH STREET
ORMOND BEACH, FLORIDA 32174
(386)677-0311
CITYCLERK@ORMONDBEACH.ORG
or online at
https://www.ormondbeach.org/prr

Ref: Fla. Stat. §119.0701(2016)

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL PROPOSALS, AND TO WAIVE INFORMALITIES AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

## TERMS AND CONDITIONS

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time due to the vendor's default under terms of agreement.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, Drug Free Workplace Certificate and E-Verify Statement.

## I. OBJECTIVE OF THE REQUEST FOR PROPOSALS

The City of Ormond Beach is soliciting proposals from qualified firms to provide a comprehensive, cloud-based ticketing software solution for the Ormond Beach Performing Arts Center. The intent is to select a vendor that offers a modern, user-friendly platform to manage ticket sales, customer engagement, reporting, and integrations with marketing and donor systems.

## II. SCOPE OF SERVICES

The selected vendor will be responsible for:

Providing and maintaining a ticketing software solution suitable for a 500+ seat venue

Enabling online ticket sales and box office transactions

Offering features including but not limited to: seat mapping, user account creation, promotional codes, multi-tiered pricing, and reporting dashboards

Integrating with email marketing platforms (e.g., Mailchimp, Constant Contact)

Providing technical support, onboarding/training, and implementation assistance

Ensuring ADA compliance and data security standards

## III. TERM OF AGREEMENT

The initial term of this agreement shall be for a period of one (5) year and will be automatically renewed for one year thereafter unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the agreement.

## IV. MINIMUM QUALIFICATIONS

To be considered by the City, proposing firm must:
Have a minimum of three (3) years of experience in providing ticketing solutions for public venues or performing arts centers

Provide at least three (3) references from organizations with similar size and scope

Be able to demonstrate compliance with Florida public record laws and E-Verify requirements

Provide proof of liability insurance and active business registration, business registration only required by the chosen firm(s)

Ability to integrate with Tyler Technologies Cashier preferred.

## V. PROPOSAL PROCESS

The firm or individual(s) interested in this contract should include a response to each of the following items in their written proposal:

A. Background of firm:

Provide a company overview including years in business, organizational structure, number of employees, and service regions.

B. Experience:

Detail previous engagements with performing arts centers or similar venues. Include implementation timelines and ongoing support structure.

C. Investment Approach:

Outline how your company approaches onboarding, customer support, maintenance, and upgrades.

D. Fees:

Clearly outline all startup costs, licensing/subscription fees, payment processing fees, and any other ongoing costs.

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## VI. PROPOSAL SUBMITTAL

Please check the contents of your RFP package carefully to ensure that you have in your possession all the necessary documents, as referenced within this RFP, including any addenda. If you are missing any items, please contact the City's Purchasing Coordinator at 386-676-3223, or by e-mail at: rob.hart@ormondbeach.org.

Submission of a proposal pursuant to this RFP shall constitute acknowledgement and acceptance of the terms and conditions set forth herein. Portions of this RFP and the contents of the proposal submitted by the successful proposer may become contractual obligations if an Agreement is awarded. Failure of the successful proposer to accept these obligations may result in cancellation of the award of contract.

The City reserves the right to withdraw this RFP at any time without prior notice. All proposals submitted in response to this RFP become the property of the City of Ormond Beach.

Deadline for Submission: To be considered, proposals must be received no later than 2:00 p.m., August 28, 2025

Inquiries: Technical questions may arise as firms are preparing their proposals. The City will accept written inquiries regarding this RFP until seven August 19, 2025 at 4:00 PM. Questions received after that time will not be responded to. Answers to questions that warrant attention of all the potential proposers will be distributed in the form of an addendum. Please direct written inquiries to:

Rob Hart

City of Ormond Beach
22 South Beach Street, Room 102
Ormond Beach, Florida 32174
Telephone: (386) 676-3223
FAX: (386) 676-3374
rob.hart@ormondbeach.org

Signature Requirements: Proposals must be signed by a duly authorized official(s) of the proposing firm. Consortiums, joint ventures, or teams submitting proposals, although permitted and encouraged, will not be considered responsive unless it is established that all contractual responsibility rests solely with one firm or legal entity which shall not be a subsidiary or affiliate with limited resources. Each proposal shall indicate the entity responsible for execution on behalf of the proposal team.

Proposal Delivery: You must submit one (1) unbound original plus one (1) electronic copy on compact disk (CD) or flash drive of the proposal no later than the date and time specified above. Submit proposals to: Rob Hart, Purchasing Coordinator, at City Hall down stairs in Room 102, 22 South Beach Street, Ormond Beach, FL 32174. The RFP title and number shall be plainly marked on the outside of the delivery envelope or package. It is solely the responsibility of the submitter to ensure that the Proposal is delivered on or before the specified date and time. Late proposals will not be accepted.

Addenda and Supplements to the Request for Proposals (RFP): In the event that it becomes necessary to revise any part of this RFP, or if additional information is necessary to enable the proposing firm to make an adequate interpretation of the provisions of this RFP, a supplement to the RFP will be provided to each firm that has requested a copy of this document.

Rejection Rights: The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this RFP including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this RFP at any time and to negotiate with any party prior to or after submittal of proposals. Selection is also dependent upon the negotiation of a mutually acceptable contract with the successful proposers.

Cost of Proposal Preparation: No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the proposal or presentation.

Proposals to be in Effect: Each proposal shall state that it is valid for a period of not less than 90 days from date of receipt.

## VII. EVALUATION PROCESS AND CRITERIA

The City of Ormond Beach will conduct an evaluation of all proposals, submitted by the deadline, to determine compliance with proposal requirements and mandatory document submissions. The committee will consist of the city staff. The committee will evaluate

proposals and select the Proposer that meets the best interests of the City, and will make a recommendation of Award of Contract to the City Commission.

**The City reserves the following rights:**

- Modify, extend, or cancel this RFP at any time to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Issue a new RFP with terms and conditions that are the same, similar or substantially different as those set forth in this or a previous RFP in order to obtain additional proposals or for any other reason the City determines to be in its best interest;

- Conduct pre-award discussion and/or pre-award negotiations with any or all responsive and responsible proposer(s) who submit proposals determined to be reasonably acceptable of being selected for award; and, conduct personal interviews or require presentations of any or all proposer(s) prior to selection.

- Request that proposer(s) furnish additional information as the City may reasonably require.

- Accept or reject qualifications or proposals in part or whole, and/or waive any defect or deficiency in any proposal, if in the City's sole judgment, the defect or deficiency is not material in response to this RFP;

- Limit and/or determine the actual contract services to be included in a contract.

- Engage outside experts to assist staff in evaluating the merits and viability of each proposer.

- Obtain information for use in evaluating submittals from any source.

- Verify the information received in the proposal. If a proposer knowingly and willfully submits false information or data, the City of Ormond Beach reserves the right to reject that proposal. If it is determined that an Agreement was awarded as a result of false statements or other data submitted in response to this RFP, the City of Ormond Beach reserves the right to terminate the Agreement.

The City shall be the sole judge of the proposer's qualifications.

**Evaluation Criteria:**

For the purposes of further evaluation, the responsive proposals will be evaluated on, but shall not be limited to, consideration of the following criteria:

Qualifications and Experience (30 points)
References (30 points)
Investment Strategy (30 points)

Price (10 points)

Responsive proposals will be ranked in each of the criteria

## EXHIBIT A

## REGISTRATION AND INSURANCE REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

Registration Requirements

VENDORS doing business within the City Limits must be registered with the City.

Requirements for registering a business are as follows:
Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).

Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official at 386-676-3233 or btonline@ormondbeach.org You can apply online here: https://ormondbeachfl-energovweb.tylerhost.net/apps/selfservice#/home

State Certified/Registered Contractors

All registered State contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 contractorlicensing@volusia.org

https://connectlivepermits.org/citizenportal/app/landing

State certified contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official, to include copy of State license, certificate of insurance and copy of local business tax receipt. This information is provided with the permit application.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3233 or btonline@ormondbeach.org

### Risk Management and Insurance Requirements

### A. Payment and Performance Bonds

**1.** Except as otherwise provided herein, the Contractor shall, prior to beginning performance, deliver to the City, and the City shall record in the public records of Volusia County, Florida, the Contractor's Payment and Performance Bond in an amount equal to the full amount of the Contract.

**2.** **(a)** Payment and Performance Bonds shall not be required for any contract except those which are for the construction of a public building, for the prosecution and completion of a public work (as described in Section 180.06, **Florida Statutes,** as amended from time to time) or for repairs upon a public building or public work (as described in Section 180.06, **Florida Statutes**, as amended from time to time).

**(b)** With respect to those Contracts for which Payment and Performance Bonds are otherwise required:

**i.** Unless the City Manager, or his designee, determines such Bond to be necessary to protect the interests of the City, no Contractor shall be required to provide a Payment and Performance Bond for any Contract which is for $25,000.00 or less.

**ii.** Upon the request of the contractor, good cause shown by the Contractor, and a determination that the public health, safety and welfare will be sufficiently protected, the City Commission may exempt the contractor from the requirement of providing a Payment and Performance Bond for any Contract which is for more than $25,000.00 but is less than $200,000.00.

**3.** The Payment and Performance Bond shall list the Contractor as Principal and be issued by a surety insurer authorized to do business in Florida as a surety and listed as an acceptable surety in the Federal Register.

**4.** The Payment and Performance Bond shall be executed pursuant to Section 255.05, **Florida Statutes**, and be in a form substantially similar to the form set forth in Section 255.05(3), **Florida Statutes**.

**5.** The Payment and Performance Bond shall specifically provide coverage for delay damages due to a default by the Contractor.

**6.** The Payment and Performance Bond shall not make the Contract part of the Bond agreement.

**7.** In lieu of the Payment and Performance Bond, the Contractor may file with the Finance Director of the City, in an amount equal to the full amount of the Contract, cash, a money order, a certified check, a cashier's check, an irrevocable letter of credit, or a security of a type listed in Part II, Chapter 625, **Florida Statutes**.

**8.** In the event the surety on any Payment and Performance Bond furnished by the Contractor is declared bankrupt or becomes insolvent, or its right to do business in the State of Florida is terminated, the Contractor shall, within

five (5) working days thereafter, substitute another Payment and Performance Bond and surety acceptable to the City.

**9.** The Contractor is totally and solely responsible for keeping its surety informed as to the Base Contract Price as bid, significant changes in the Project Scope, and the overall progress and completion of the Project for the entire life of the Contract.

**10.** The payment and performance bond requirements stated herein above shall not be applicable to service-related contracts unless otherwise determined by the City Manager in order to protect the health, safety and welfare of the general public.

## B. Contractual Provisions Relative to Risk Management

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include at a minimum, the following, or substantially similar, provisions:

### 1. Hold Harmless and Indemnity

The Contractor agrees to assume liability for and indemnify, hold harmless, and defend the City, its commissioners, mayor, officers, employees, agents, and attorneys of, from, and against all liability and expense, including reasonable attorney's fees, in connection with any and all claims, demands, damages, actions, causes of action, and suits in equity of whatever kind or nature, including claims for personal injury, property damage, equitable relief, or loss of use, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the Contractor, its agents, officers, contractors, subcontractors, employees, or anyone else employed or utilized by the Contractor in the performance of this Contract. The Contractor's liability hereunder shall include all attorney's fees and costs incurred by the City in the enforcement of this provision.

### 2. Payment on Behalf of City

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph. Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

### 3. Loss Control/Safety

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are

reasonably necessary. The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

**4. Service Bond**

For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences. Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

## C. Contractor's Insurance

**1. General**

The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

**2. Types of Insurance and Limits of Liability**

The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include and not limited to the following:

**(a)** Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000 Each Accident Bodily Injury by Accident
$100,000 Each Employee Bodily Injury by Disease
$500,000 Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers' compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

**(b)** Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 85, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises, Operations, Products and Completed Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less and not limited to the following amounts:

Limits (not less than)

$1 Million Each Occurrence
$2 Million General Aggregate
$1 Million Aggregate Products & Completed Operations

NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

**(c)** Automobile Liability Insurance is required if an Automobile(s) is used in the performance of the contract. ISO Symbol 1 (Any Auto), or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos), and limits shall be no less than:

| | |
|---|---|
| $1 Million | Combined Single Limit for Bodily Injury and Property Damage |

**(d)** Excess Liability

For contracts $250,000 or greater an Excess Liability Policy of at least but not limited to $1,000,000 in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention not to exceed $25,0000 per occurrence.

**(e)** Builder’s Risk

Contractor shall purchase Builder’s Risk Insurance for any contracts that are deemed to be vertical construction on an All-Risk policy, and shall also include coverage for wind, hail, and named storm. Limits of coverage shall be at least and not limited to the value of the project.

**(f)** Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended

beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

## D. Requirements for Certificates of Insurance

**1.** With the execution of the Contract Documents, the Contractor, including service related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

**2.** New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

**3.** If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

**4.** For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

**5.** If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

## E. Policies of Insurance

**1.** Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide",

published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

**2.** For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carrier; written confirmation is required.

**3.** All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

**4.** The City shall be named an Additional Insured on General Liability including products and completed operations and Automobile Liability policies of insurance and certificates thereof.

# City of Ormond Beach
# Request for Proposals (RFP)
# Ticketing Software Solution for
# Ormond Beach Performing Arts Center
# (RFP No. 2025-50)

## VERIFICATION OF EMPLOYMENT STATUS USING E-VERIFY SYSTEM

**1.** Undersigned firm warrants it **IS** currently registered with the U.S. Department of Homeland Security's E-Verify system, **and** is compliant with the requirements of Sections 448.09 and 448.095, *Florida Statutes*.

**2.** Undersigned firm warrants it **has not** had any contracts terminated as a result of violations of Sections 448.09 or 448.095, *Florida Statutes*, that prohibit it from contracting with a public agency.

**3.** Undersigned firm warrants that if it enters into an agreement with a subcontractor, an express provision shall be included in all of its subcontracts requiring subcontractors, who perform work or provide services pursuant to the contract, to use the E-Verify system to verify employment eligibility of all new employees hired by the subcontractor during the contract term.

**4.** Undersigned firm understands that any subcontractor must provide the contractor with an affidavit stating that the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, and the contractor understands it shall maintain any such affidavits for the duration of the contract, and the contract with the subcontractor must be immediately terminated if the City has a good faith belief that the subcontractor knowingly violated Section 448.09 (1), *Florida Statutes*.

**5.** Undersigned firm understands that in the event the City has a good faith belief that the contractor has knowingly violated Section 448.09 (1), *Florida Statutes*, the City shall terminate the contract, and the contractor may not be awarded a public contract for a period of at least one (1) year after the date of termination. The contractor may be held liable for any additional costs incurred by the City as a result of termination of the contract.

_____
COMPANY NAME

_____
AUTHORIZED SIGNATURE

_____
NAME

_____
TITLE

_____
DATE

# City of Ormond Beach
# Request for Proposals (RFP)
# Ticketing Software Solution for
# Ormond Beach Performing Arts Center
# (RFP No. 2025-50)

## RFP RESPONSE FORM

THIS RESPONSE IS SUBMITTED TO:

Purchasing Coordinator
City of Ormond Beach
22 S. Beach Street
Ormond Beach, Florida 32174

The undersigned SUBMITTER proposes and agrees, if this Submittal is accepted, to enter into a Contract with the CITY that reflects the items of this Request for Proposal (RFP) and to provide all services, as specified or indicated in the RFP Documents, in full accordance with the terms and conditions set forth in therein.

SUBMITTER accepts all of the terms and conditions of the General Conditions. SUBMITTER will sign the Contract) and submit the Contract security (when applicable) and other documents required by the Contract Documents within ten (10) days after the date of CITY's Notice of Award.

In submitting this information, SUBMITTER represents, as more fully set forth in the Agreement, that:

SUBMITTER has examined copies of all the RFP Documents and of the following Addenda:

| Addendum Date | Addendum Number |
|---|---|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Receipt of all of which is hereby acknowledged.

This Submittal is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; SUBMITTER has not directly or indirectly induced or solicited any other Submitter to submit a false or sham Submittal; SUBMITTER has not solicited or induced any person, firm or a corporation to refrain from bidding; and SUBMITTER has not sought

by collusion to obtain for himself any advantage over any other Bidder or over the CITY.

THIS RESPONSE IS SUBMITTED BY:

COMPANY NAME: _____

VENDOR/CONTRACTOR LICENSE NUMBER: _____

ADDRESS: _____

_____

_____

_____

PHONE NO.: _____ FAX NO.: _____

SUBMITTER'S NAME: _____
(Typed or Printed in Ink)

TITLE: _____

**AUTHORIZED SIGNATURE**: I, _____
hereby
(Original signature required in each document)

declare that I have read and fully understand the RFP Documents and, including the General Conditions and the Scope of Work, and that I am duly authorized to sign and submit this Submittal.

The CITY reserves the right to reject any and all Submittals, to waive informalities, and to accept any Submittal or parts thereof as the CITY, in its sole discretion, determines to be in the best interest of the CITY.

**PROPOSER: PLEASE ENSURE THAT YOU HAVE SIGNED THE RFP RESPONSE FORM OF THIS REQUEST FOR PROPOSAL. OMISSION OF A SIGNATURE ON THAT PAGE MAY RESULT IN REJECTION OF YOUR PROPOSAL.**

*THIS PAGE **MUST** BE COMPLETED AND RETURNED WITH YOUR PROPOSAL*

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[ ] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

_____

COMPANY NAME

_____

AUTHORIZED SIGNATURE

_____

SIGNER'S NAME (PRINT OR TYPE)

_____

TITLE

_____

DATE

*THIS PAGE **MUST** BE COMPLETED AND RETURNED WITH YOUR PROPOSAL*

# City of Ormond Beach
# Request for Proposals (RFP)
# CITY OF ORMOND BEACH, FLORIDA
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Company Name

Authorized Signature

Print Name

Title

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the _____ of _____
   (Title) (Business Name)
   which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: _____, 20____ Signed: _____

Entity: _____ Name: _____

Title: _____

STATE OF: _____ COUNTY OF: _____

The foregoing instrument was acknowledged before me by means of ☐physical presence or ☐online notarization, this_____ day of_____,20_____, by_____ and who: ☐ Is personally known to me; or ☐ has produced _____ as identification.

_____

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

My commission expires: _____

***This document must be completed and returned with your Submittal***

**HUMAN TRAFFICKING AFFIDAVIT**
**(SECTION 787.06, FLORIDA STATUTES)**

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is _____. I am over the age of Twenty-one years old. I am the _____ of_____, a non- governmental entity which does
   **(Title)** **(Business Name)**
   business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: _____, 20___

Signed: _____
Print Name: _____
Title: _____

SUBSCRIBED AND SWORN before me by means of [__] physical presence or [__] online notarization on the ____ day of _____, 20___ by _____ as _____ on behalf of _____ who is personally known to me or who has produced _____ as identification.

(Notary Seal)

_____

Notary Public, State of _____
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.Y. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Disposition Item |
| **Subject** | Auto Renewal - Yellowstone Landscape Grounds Maintenance | | |
| **Recommended Action** | Staff intends to renew the Yellowstone Landscape contract for grounds maintenance for an additional year, unless otherwise directed. | | |
| **Strategic Goal** | Quality of Life - Other | | |
| **Department Staff Contact** | Leisure Services<br>Robert Carolin, Leisure Services Director | | |


Summary

On June 3, 2025 the City Commission tabled this item until corresponding documents and forms were included for additional review. As such, staff has added the following: updated certificate of insurance, maps of service areas, and summaries of service amendments approved each fiscal year. Below is the previous agenda request with additional renewal information provided for consideration.


The City is presenting this item for City Commission approval of a one-year renewal of the Yellowstone Ground Maintenance agreement. This action aligns with the directives received during the Ground Maintenance workshop conducted on August 20, 2024, wherein staff reviewed the current Yellowstone agreement - including sites, level of service, and costs - and received Commission direction to renew the agreement. The renewal ensures the ongoing maintenance and operational integrity of City grounds, consistent with the standards and expectations established by the Commission. Attached for reference is a copy of the August 20, 2024 Grounds Maintenance Contract workshop presentation and minutes.

The current Yellowstone, formerly Austin Outdoor LLC, agreement provides mowing and grounds maintenance services to over 375 sites within the City, including mowing, edging, string trimming, blowing-off of hard surfaces, debris pickup and removal, weed control (manual and chemical), fertilization (turf grasses, plant material and trees), irrigation services (testing, parts and repair), landscape detail services (shaping, pruning and trimming), palm tree pruning, annual flower installation, mulch re-surfacing, and pest control and prevention. The agreement has been renewed annually since the expiration of its initial term in 2015. Additionally, the City Commission has approved multiple amendments to ensure appropriate service levels are included for new sites.

As discussed at the August 20, 2024 workshop, City staff conduct periodic reviews to ensure service costs remain competitive, at or below market rates. In contrast to comparable municipalities, the City's agreement generally falls 10% to 44% lower in the areas of irrigation, mulch, palm pruning, and bulk mowing. Several environmental factors significantly influence grounds maintenance costs - such as vegetation, slopes, terrain, soil quality, tree types and locations, and canopy cover - impacting the frequency, difficulty, and costs of tasks. Commercial rates further indicate the City's contract rates are significantly lower, 50% below market for irrigation, and more than 50% below market rate for palm trimming. In additional to basic services, the City's agreement also provides for higher level of services such as seasonal flower plantings, higher quality grass selection, and additional irrigation sites.

Under this agreement, Yellowstone is permitted to request a CPI increase each year in the amount of the actual CPI or 4%, whichever is less. This request will be submitted separately in September to the City Commission. Adjusting the cost of services by the CPI, with a cap of 4%, preserves the competitiveness of the agreement while preventing significant cost increases based on economic fluctuations. Overall, Yellowstone's pricing and responsive service supports the City's goal of providing high-quality, cost-effective services to its residents.

Financial Impact

Funds for the contracted amount are included in the FY 2025-26 budget. Funding for this contract is provided from the General Fund (001), Community Redevelopment Fund (104), Water/Wastewater Operating Fund (401), Airport Fund (108), and Solid Waste Fund (460). The current budgeted contract price is $1,994,554.69. This does not include the 2025 CPI Adjustment. Contractually, the CPI Adjustment item will be brought back in a future Commission meeting.

Citizen Impact

The auto-renewal of the grounds maintenance contract ensures the City grounds are maintained in the appropriate manner and residents are able to continue to enjoy the grounds which promotes greater quality of life.

Attachments

1. Yellowstone Grounds Maintenance Agreement
2. Insurance Certificate
3. Human Trafficking Affidavit
4. Affidavit of Compliance
5. Drug Free Workplace Certification
6. Conflict, Non Conflict of Interest Statement
7. Ground_Maint_Contract_Zone1
8. Ground_Maint_Contract_Zone2
9. Ground_Maint_Contract_Zone3A
10. Ground_Maint_Contract_Zone3B
11. Ground_Maint_Contract_Zone3C
12. Ground_Maint_Contract_Zone4A
13. Ground_Maint_Contract_Zone4B
14. Ground_Maint_Contract_Zone_OBS
15. Lift Stations & Well sites Ground Maint 2015 & 2017
16. Maint_Map1
17. Maint_Map2
18. Maint_Map3

19. Maint_Map4
20. Maint_Map5
21. Maint_Map6A
22. Maint_Map6B
23. Maint_Map7A
24. Maint_Map7B
25. Addendum FY 13-14
26. Addendum FY 15-16
27. Lift Stations & Well sites Ground Maint 2015 & 2017
28. Addendum FY 16-17
29. Addendum FY 17-18
30. Addendum FY 18-19
31. Addendum FY 19-20
32. Addendum 20-21
33. Addendum 21-22
34. Addendum 22-23
35. Addendum 23-24
36. Workshop Grounds Maintenance PPT 8/20/24
37. Workshop Ground Maintenance Minutes 8/20/24

**Agreement with Austin Outdoor, LLC**
**for Grounds Maintenance Services**

**THIS AGREEMENT** is made and entered into by and between the **City of Ormond Beach** ("City"), a Florida municipal corporation, 22 South Beach Street, Ormond Beach, Volusia County, Florida and **Austin Outdoor, LLC**, P.O. Box 849, Bunnell, FL 32110, ("Contractor"), and in consideration of the mutual promises and covenants herein contained, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the following.

1. **Scope of Work.** The document entitled "Invitation to Bid [Grounds Maintenance Services-Facilities, Parks & Right of Ways, Bid No. 2012-10]", attached hereto as Exhibit "A" is incorporated herein by reference and is a material part of this Agreement. The Contractor shall fully comply with the terms and conditions described in the attached exhibit.

2. **Term.** The initial term of this Agreement shall be for a period of three (3) years, commencing on October 1, 2012 through September 30, 2015; and will be automatically renewed for additional one (1) year periods on October 1st of each year thereafter unless either party provides at least ninety (90) days prior written notice to the other party of their intent not to renew the Agreement.

3. **Consideration.** The Contractor shall provide the equipment and perform the services at the prices described in Exhibit "A". Contractor shall prepare and submit invoices to the City at the address set forth in Paragraph 9 of this Agreement. All such invoices shall be paid by the City pursuant to the Florida Prompt Payment Act, Chapter 218 (Part VII), Sections 218.70-218.80, *Florida Statutes*, as the same presently exists or may hereafter be amended.

4. **Termination of Agreement.** This section is supplemental to Exhibit "A".

   (a) The City Commission shall have the right to terminate the Agreement in the event the Contractor files any petition or proceeding for bankruptcy relief, or is adjudicated to be bankrupt or insolvent, or fails to pay just debts as they ordinarily become due.

   (b) This Agreement may not be terminated by the Contractor.

5. **Assignment.** The Contractor shall not assign, convey or transfer all or any part of this Agreement, or all or any part of Contractor's interest herein, or all or any part of any interest in the Contractor, without the prior written consent of the City Commission, which consent shall not be unreasonably withheld.

6. **Complete Agreement.** This Agreement, including the provisions set forth in the exhibit attached hereto and incorporated by reference herein, constitutes the entire and complete agreement of the parties, and the promises and covenants herein contained shall survive the life of this Agreement.

7. **Amendment to Agreement.** Any amendment, change or modification of this Agreement must be in writing and fully executed by both parties.

8. **Notices.** All notices which are required by this Agreement shall be provided to the parties at the following addresses, or such other addresses as may be requested in writing by either party:

| | |
|---|---|
| **City of Ormond Beach** | **Contractor** |
| Isaac D. Turner, City Manager | William M. Dellecker, President |
| (copy to City Attorney) | Austin Outdoor, LLC |
| 22 South Beach Street | P.O. Box 849 |
| Ormond Beach, FL 32174 | Bunnell, Fl 32110 |

9. **Sovereign Immunity.** The City expressly retains and reserves all rights, privileges, immunities, and benefits of sovereign immunity. This provision shall be construed broadly in favor of the City.

10. **Venue.** The terms and conditions of this Agreement shall be construed and enforced under the laws of the State of Florida. Any action or proceeding, either at law or in equity, regarding this Agreement shall be brought in the circuit court, Seventh Judicial Circuit in and for Volusia County, Florida. Venue in any other jurisdiction or forum, whether it be any other circuit, state or federal venue, is hereby expressly waived.

11. **Waiver of Conditions.** No waiver by the City of any condition or breach of performance by the Contractor shall constitute an irrevocable, continuing, or subsequent waiver by the City of the same condition or breach of performance, or of any other condition or other breach of performance.

12. **Severability.** If any part of this Agreement is declared to be unenforceable or void by a court of competent jurisdiction, the remaining parts of the Agreement shall remain in full force and effect as long as the services to be provided by the Contractor are not materially affected, altered or impaired as a result of said judicial declaration.

13. **Conflicting Provisions.** In the event of any conflict between the provisions of this Agreement and any exhibits, the provision most favorable to the City shall control and shall be given full force and effect.

14. **Indemnification**. The City, its agents, employees, and officials, both elected and appointed, shall be indemnified and held harmless by Contractor from any and all liabilities, claims, and causes of action which may arise out of the willful, negligent, or unlawful acts or omissions of the Contractor or its subcontractors in the performance of this Agreement, unless such claims are a result of the City's sole negligence, as determined by the final decision maker of such claim.

15. **Duty to Defend.** The Contractor shall defend all suits and administrative actions, including all appellate proceedings, brought against the City, its agents, employees, and officials, both elected and appointed and shall pay all attorneys' fees and costs associated with the City's legal defense, as may be selected by the City, arising from all claims and causes of action described in Section 15 above. Such payment on behalf of the City shall be in addition to any and all other legal or equitable remedies available to the City and shall not be considered to be the City's exclusive remedy.

16. **Contractor's Insurance.** The Contractor shall purchase and maintain for the entire life of this Agreement, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under this Agreement, whether such operations be by the Contractor, or by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

17. **Types of Insurance and Limits of Liability.** The insurance required herein shall be written for not less than the limits of liability specified herein or as required by law, whichever is greater, and shall include the following:

(a) Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000. Each Accident Bodily Injury by Accident
$100,000. Each Employee Bodily Injury by Disease
$500,000. Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverages.)

(b) **Commercial General Liability Insurance** shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 88, or its successor form, including but not limited to the following coverages (any deviation shall be

noted on the Certificates of Insurance), and the CITY OF ORMOND BEACH shall be named as an additional insured:

1. Premises and Operations
2. Owners' & Contractors' Protective
3. Products & Completed Operations
4. Explosion, Collapse & Underground Conditions
5. Blanket Contractual Liability
6. Personal Injury Liability
7. Broad Form Property Damage Endorsement, including Completed Operations
8. Independent Contractors
9. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
10. Pollution Liability (if applicable)
11. Asbestos Abatement (if applicable)
12. Fire Damage Liability

Certain coverages outlined above may not be required if they do not relate to the Agreement, as may be determined at the sole discretion of the City.

**Commercial General Liability Coverage** shall be written on an occurrence basis and the limits shall be no less than the following for all tiers of Contractors and Subcontractors:

| Contract Value | Limits (not less than) |
|---|---|
| 0 - 25,000 | $300,000 Each Occurrence |
| | $300,000 General Aggregate* |
| | $300,000 Aggregate Products & Completed Operations |
| | $ 25,000 Fire Damage (any one fire) |
| $25,001 - $250,000 | $500,000 Each Occurrence |
| | $1 Million General Aggregate* |
| | $1 Million Aggregate Products & Completed Operations |
| | $ 50,000 Fire Damage (any one fire) |
| $250,001 - $3,000,000 | $1 Million Each Occurrence |
| | $1 Million General Aggregate* |
| | $1 Million Aggregate Products & Completed Operations |
| | $ 50,000 Fire Damage (any one fire) |

| | |
|---|---|
| $3,000,001 & over | 20% of the Value of the Contract [Minimum $1 Million Each Occurrence/$2 Million General Aggregate] |

*NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

(c) **Automobile Liability Insurance** for the operation, use, maintenance, loading or unloading of automobiles - ISO Symbol 1 (Any Auto) or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos). The coverage limits shall be no less than the following for all tiers of Contractors and Subcontractors:

| **Contract Value** | **Limits (not less than)** |
|---|---|
| 0 - 25,000 | $300,000 Combined Single Limit |
| $25,001 - $250,000 | $500,000 Combined Single Limit |
| $250,001 and over | $1 Million Combined Single Limit |

(d) Excess Liability

For Contracts of $250,000 or more, and in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention for occurrences insured in this Excess Policy not to exceed $25,000 and a minimum limit of $1 Million.

(e) Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provide a retroactive date no later than the inception date of claims made coverage.

18. **Requirements for Certificates of Insurance.**

(a) With the execution of this Agreement, the Contractor shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain a provision that the coverage under the policies will not be canceled, non-renewed or materially changed until at least **thirty (30)** days' prior written notice of such cancellation, non-renewal or change [except for nonpayment of premium, which shall be **ten (10)** days] has been given to the City. The Contractor shall be

required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of this Agreement.

(b) New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

(c) If requested by the City, the Contractor shall furnish complete copies of the Contractor's insurance policies, forms and endorsements.

(d) For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

(e) If the Contractor fails to obtain and maintain for the life of the Agreement the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City from the amount due the Contractor for the work covered by the Agreement.

(f) **Policies of Insurance**

1. Except as otherwise provided herein, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-) in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carriers; written confirmation is required.

3. All policies of insurance or certificates thereof referred to herein shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on all policies of insurance and certificates thereof.

19. **Enforcement of Costs.** If any legal action or other proceeding is brought for the enforcement of this Agreement, or because of an alleged dispute, breach, default, or misrepresentation in connection with any provision of this Agreement, the successful or prevailing party or parties shall be entitled to recover reasonable attorneys' fees, court costs, and all expenses even if not taxable court costs (including, without limitation, all such fees, costs and expenses incident to arbitration, appellate, bankruptcy, and post-judgment

proceedings), incurred in that action or proceeding or any appeal, in addition to any other relief to which the party or parties may be entitled. Attorneys' fees include legal assistant fees, expert witness fees, investigative fees, administrative costs, and all other charges billed by the attorney for the prevailing party.

20. **Effective Date.** This Agreement shall become effective upon the date last signed by the parties hereto.

IN WITNESS WHEREOF, the undersigned parties have caused this Agreement to be signed on the dates indicated hereinbelow.

DATED this 19th day of June, 2012.

Witnesses:

**CITY OF ORMOND BEACH**

Print Name: Shá Moss

By: Ed Kelley
**ED KELLEY**
Mayor

Print Name: Colby Cuesta

Attest: Joyce
**JOYCE SHANAHAN**
City Manager

DATED this 2nd day of July, 2012.

Witnesses:

**AUSTIN OUTDOOR, LLC**

Print Name: BARRY CRITCHER

By:
Print Name: William M. DeBecker
Title: President

Print Name: David Grotean

Attest:
Print Name: AL LALONDE
Title: CHIEF FINANCIAL OFFICER

City of Ormond Beach
22 South Beach Street
Ormond Beach, Florida 32174
Telephone (386) 676-3269
Fax (386) 676-3304

# INVITATION TO BID

## BIDDER ACKNOWLEDGEMENT FORM

***THIS FORM MUST BE COMPLETED AND RETURNED WITH YOUR BID***

BID TITLE: **Grounds Maintenance Services – Facilities, Parks & Right of Ways**

BID NUMBER: **2012-10**

BID OPENING DATE & TIME: **April 25, 2012 at 10:00 A.M.**

BID OPENING LOCATION: **2nd Floor Conference Rm, Ormond Beach City Hall 22 S. Beach Street**

PRE-BID MEETING DATE & TIME: **March 21, 2012 at 2:00 P.M. - Mandatory**

PRE-BID MEETING LOCATION: **Training Room at Human Resources Office, City Hall**

**Bids Received After The Above Date And Time Will Not Be Accepted.**

BIDDER'S NAME: Austin Outdoor, LLC

BIDDER'S MAILING ADDRESS: PO Box 849

CITY-STATE-ZIP: Bunnell, FL 32110

F.E.I.N.: 20-2993503

PHONE NUMBER: 386-437-6211 FAX NUMBER: 386-437-5143

If returning as a "No Bid", please state reason (s): _____

I certify that this Bid is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a Bid for the same materials, supplies, or equipment, and is in all respects fair and made without collusion or fraud. I agree to abide by all conditions of this Bid and certify that I am authorized to sign this Bid for the Bidder. In submitting a Bid to the City of Ormond Beach, the Bidder offers and agrees that if the Bid is accepted, the Bidder will convey, assign or transfer to the City of Ormond Beach all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the Antitrust laws of the United States and the State of Florida for price fixing relating to the particular commodities or services purchased or acquired by the City of Ormond Beach. At the City's discretion, such assignment shall be made and become effective at the time the City renders final payment to the Bidder.

X _____
AUTHORIZED SIGNATURE (MANUAL)

William M Dellecker
NAME (TYPED)

President
TITLE

4/23/2012
DATED

# CITY OF ORMOND BEACH
## INVITATION TO BID

### GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
### Bid No. 2012-10

## GENERAL CONDITIONS

**PUBLIC ENTITY CRIMES:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a Bid on a contract to provide any goods or services to a public entity, may not submit a Bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit Bids on leases or real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

**DISCRIMINATION:** Pursuant to Section 287.134(2)(a), Florida Statutes, an entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid or proposal on a contract to provide any goods or services to a public entity, may not submit a bid or proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit bid or proposal on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity.

**PUBLIC RECORDS/NON-CONFIDENTIALITY OF BIDS AND/OR PROPOSALS:** The City of Ormond Beach cannot and does not warrant the confidentiality of any information submitted in response to this solicitation. Florida law provides that municipal records shall at all times be open for personal inspection by any person, Section 119.01, F.S., The Public Records Law. Information and materials received by the City of Ormond Beach in connection with all Proposers' response shall be deemed to be public records subject to public inspection upon award, recommendation for award, or 10 days after bid opening, whichever occurs first. Section 119.071, F.S.

**NOTIFICATION OF BIDS AND RFP'S:** The City uses the services of Onvia DemandStar (www.demandstar.com) for notification of its Bids and RFP's on-line on the Internet. If you have received a copy of this Bid/RFP from any source other than Onvia DemandStar, please be aware that you may not have received the latest version of the Bid/RFP or any related addendums.

**SUBMISSION OF BIDS:** All Bids shall be submitted in a sealed envelope. The Invitation to Bid (ITB) number, title, and opening date shall be clearly displayed on the outside of the sealed envelope. The delivery of said Bid to the Purchasing Office on or before the specified opening date and time is solely and strictly the responsibility of the Bidder. Any Bid received by the Purchasing Office after the specified date and time will not be accepted. Bids must be submitted on forms provided by the City. No other forms will be accepted. Telephone, telefax and telegraph Bids will not be considered. No Bid may be modified after opening. **No Bid may be withdrawn after opening for a period of One Hundred and Twenty (120) days unless otherwise specified.**

**EXECUTION OF BID:** Bid must contain a manual signature of authorized representative in the space(s) provided. Bids must be typed or printed in ink. Use of erasable ink is not permitted. All corrections made by Bidder to any Bid entry must be initialed. The company name and Federal Employer Identification Number (F.E.I.D.) shall appear in the space(s) provided.

# CITY OF ORMOND BEACH
## INVITATION TO BID

### GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
### Bid No. 2012-10

**PRE-BID MEETING:** Any bidder wishing to respond to this solicitation will be required to attend a pre-bid meeting at a date and time prescribed herein.

**BID OPENING:** Bids shall be opened and the name of the Bidders and the bid amounts shall be read publicly. Bid amounts announced at the bid opening are subject to change due to math errors made by Bidders

**BID TABULATION:** Any Bidder wishing to receive a copy of the Bid tabulation is required to enclose a stamped, self-addressed envelope with their Bid response. Bid opening tabulations will be posted on DemandStar.com.

**CLARIFICATION/CORRECTION OF BID ENTRY:** The City of Ormond Beach reserves the right to allow for the clarification of questionable entries and for the correction of obvious mistakes.

**INTERPRETATION:** Any questions concerning conditions and specifications shall be directed to the Purchasing Coordinator. Those interpretations which may affect the eventual outcome of this Bid will be furnished in writing to all prospective Bidders. No interpretation shall be considered binding unless provided in writing by the City of Ormond Beach.

**MINORITY POLICIES:** The City of Ormond Beach, Florida, encourages the full participation of Disadvantaged and Women Business Enterprises (D&WBE) in the provision of goods and services.

**LICENSES AND PERMITS:** The vendor is responsible for obtaining all necessary permits and licenses to comply with all Federal, State, and Local laws, rules and regulations required to perform work in accordance with the specifications.

**LOCAL VENDOR PREFERENCE:** The City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded. A Local Vendor Affidavit of Eligibility shall accompany the bid submittal to be considered valid.

**PRICING:** Firm prices shall be proposed and include FOB DESTINATION, all packing, handling, shipping charges and delivery to any point within the City of Ormond Beach to a secure area or inside delivery. Prices shall be valid for One Hundred and Twenty (120) days from date of Bid opening. In the event there is a discrepancy between the unit price and the extended amount, the unit price will prevail.

**ADDITIONAL TERMS AND CONDITIONS:** The City of Ormond Beach reserves the right to reject Bids containing any additional terms or conditions not specifically requested in the original conditions and specifications.

**TAXES:** The City of Ormond Beach is exempt from Federal Excise Taxes and all sales taxes.

**DISCOUNTS:** All discounts EXCEPT THOSE FOR PROMPT PAYMENT shall be considered in determining the lowest net cost for Bid evaluation purposes. If a Bidder offers a discount, it is understood that the discount time will be computed from the date of satisfactory delivery, at the place of acceptance, and receipt of correct invoice, at the office specified, whichever occurs last.

**SILENCE OF SPECIFICATIONS:** The apparent silence of any specification and any supplemental specifications as to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All workmanship is to be first quality. All interpretations of the specifications shall be made upon the basis of this statement.

**ASSIGNMENT:** Any purchase order or contract issued pursuant to a Bid and the monies which may become due there under are not assignable except with the prior written approval of the City Manager or City Commissioner, whoever authorized the purchase.

**LIABILITY:** The vendor shall hold and save the City of Ormond Beach, its officers, agents, and employees harmless against claims by third parties resulting from the vendor's or supplier's breach of contract or negligence, including all attorney's fees and costs, and shall pay any and all damages, fees, and costs assessed on behalf of the City. The City expressly reserves all rights, privileges and benefits of sovereign immunity.

**PATENTS AND ROYALTIES:** The Bidder, without exception, shall indemnify and save harmless the City of Ormond Beach and its employees from liability of any kind, including cost and expenses for or on account of any copyrighted, patented, or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by the City of Ormond Beach. If the Bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the Bid prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

**SAFETY WARRANTY:** The selling dealer, distributor, supplier, and manufacturer shall be responsible for compliance with all Federal, State and local laws, rules and regulations concerning the equipment and/or service specified and the use thereof, applicable and effective on the date of manufacture including safety and environmental standards as apply to both private industry and governmental agencies.

**WARRANTY:** The Bidder agrees that, unless otherwise specified, the services furnished under the Bid shall be covered by the most favorable commercial warranty for comparable services, and that the rights and remedies provided herein are in addition to and do not limit any rights afforded to the City of Ormond Beach by other provision of the Bid.

**AWARDS:** The City reserves the right, in its sole discretion, as the best interest of the City may require, to make award(s) by individual item, group of items, all or none, or a combination thereof; on a geographical basis and/or with one or more vendors or contractors; or to reject any and all Bids or waive any minor irregularity or technicality in the Bids received.

**NON-APPROPRIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the CITY shall notify the VENDOR/CONTRACTOR of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the CITY of any kind whatsoever.

# CITY OF ORMOND BEACH
## INVITATION TO BID
### GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
### Bid No. 2012-10

**THE CITY OF ORMOND BEACH RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS, AND TO WAIVE INFORMALITIES, AS MAY BE DEEMED TO BE IN THE BEST INTEREST OF THE CITY.**

If the Bidder proposes to furnish an "Equivalent" product, the brand name, if any, of the product to be furnished shall be inserted in the space provided or such product shall be otherwise clearly identified. The evaluation of Bids and the determination as to equality of the product offered shall be the responsibility of the City and will be based on information furnished by the Bidder. The Purchasing Coordinator is not responsible for locating or securing any information which is not identified in the Bid and reasonably available to the Purchasing Coordinator. To insure that sufficient information is available the Bidder shall furnish as a part of the Bid all descriptive material necessary for the Purchasing Division to determine whether the product offered meets the salient characteristics required by the specifications and establish exactly what the Bidder proposes to furnish and what the City would be binding itself to purchase by making an award.

OTHER AGENCIES: Any bidder(s) awarded a contract resulting from this bid is/are given the privilege and is/are required to permit all public and governmental entities in the State of Florida to participate in the contract under the same terms and conditions.

It is understood that at no time will any agency be obligated for placing an order for any other agency. Each agency will only have the authority to obligate itself and will not be held responsible for bills incurred by any other agency. Further, it is understood that each agency will issue its own purchase order(s) or contract to successful bidder(s).

## GENERAL INSTRUCTIONS

**STATEMENT OF PURPOSE:** The City of Ormond Beach, Florida, is requesting Bids and intends to select a qualified firm or individuals to provide the City with professional grounds maintenance services throughout the entire City of Ormond Beach (Zones 1 through 4) for all facilities, parks and rights of way.

**SCHEDULE OF BID:**

| | |
|---|---|
| March 11, 2012 | Legal Advertisement |
| March 21, 2012 | **Mandatory** Pre-Bid Meeting at 2:00 P.M., Human Resources Training Room, Ormond Beach City Hall, 22 S. Beach Street Ormond Beach, Florida 32174. |
| April 25, 2012 | Bids due, no later than 10:00 A.M., in the office of the Purchasing Coordinator, Ormond Beach City Hall, 22 S. Beach Street Ormond Beach, Florida 32174. |

**TERM OF AGREEMENT:** The initial term of this Agreement shall be for a period of **three (3) years** starting on the commencement date and will be automatically renewed for additional **one (1) year periods** unless either party provides at least ninety (90) days prior written notice of non-renewal prior to the end of the initial term or one of the renewal terms.

# CITY OF ORMOND BEACH
## INVITATION TO BID

### GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
### Bid No. 2012-10

**BID DELIVERY:** Submit **one (1) signed and unbound original** Bid packet, with all required attachments, by the closing date and time. Deliver Bids to: Purchasing Coordinator, Ormond Beach City Hall, 22 South Beach Street, Ormond Beach, Florida 32174. **Make sure the bid number is clearly visible on the outside of the delivery package. Bids delivered after the time and date specified will not be accepted.** For any question regarding bid delivery contact the purchasing office at 386-676-3223.

**TECHNICAL QUESTIONS:** Submit all technical questions regarding this Bid to the City's Landscape Architect, Paul MacDonald, by telephone (386) 676-3296 or by e-mail, macdonald@ormondbeach.org.

**REJECTION RIGHTS:** The City of Ormond Beach reserves the right, at any time, to modify, waive or otherwise vary the terms and conditions of this Bid including, but not limited to, the deadlines for submission and submission requirements. The City further reserves the right to reject any or all submittals, to cancel or withdraw this Bid at any time and to negotiate with any party prior to or after submittal of proposals.

**COST OF BID PREPARATION:** No reimbursement will be made by the City of Ormond Beach for any costs incurred in the preparation of the Bid, proposal or presentation.

**BIDS TO BE IN EFFECT:** Each Bid shall state that it is valid for a period of not less than one hundred and twenty (120) days from date of receipt.

**BID FORM:** Bids shall be submitted on standard forms which are furnished in this Invitation to Bid. Bid Forms must be completed in ink or by typewriter. Where indicated on the Bid Form, the Bid price of each item on the form must be stated in words and numerals; in case of a conflict, words will take precedence. The Bid shall contain an acknowledgement of receipt of all Addenda (the numbers and dates of which shall be filled in on the Bid Form.)

**REGISTRATION AND RISK MANAGEMENT REQUIREMENTS:** Any Contractor doing work for the City of Ormond Beach, on City property shall be **registered** to do business in the City of Ormond Beach and shall provide **proof of**, abide by and maintain, for the entire life of the Contractual Agreement, including any and all approved time extensions, such **insurance** as is required by City ordinance, which shall be incorporated in and made part of the contract documents. This proof of insurance will be required prior to commencement of any **on-site** work.

**DEFINITION OF TERMS:** For the purpose of this Agreement the following terms, phrases, words and their derivations shall have the meaning given herein. When not inconsistent with the context, words used in the present tense include the future, words in the plural number include the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory and not merely directory.

**Annual** - A plant that lives for only a year.

**Authorized Representative** - the employee or employees designated by the City Manager to represent the City in the administration and supervision of this contract.

**City** - the City of Ormond Beach, a Florida municipal corporation, acting through the City Commission or City Manager, or official designated by the City Manager as the case may be.

**Contractor** - the individual, firm or corporation who or which agrees to perform the work or services as set forth in this Agreement.

**Debris** - all material normally removed after maintenance or installation, such as sand, glass, paper, cans, trimmings, etc.; it does not include larger items such as large stones, wood, cable, etc.

**Director** - the Leisure Service Director, or his/her designee.

**Erosion** - the group of natural processes, including weathering, dissolution, abrasion, corrosion, and transportation, by which material is worn away from the earth's surface.

**Fertilizer** - anything added to the soil to maintain or increase its fertility. Fertilizers may be organic, that is derived from once-living matter, as are manure, compost, and bone meal; or inorganic (artificial), such as soleplate or ammonia or superphosphate, which are prepared in chemical factories.

**Ground Cover** - a dense, extensive growth of low-growing plants, other than turf grass, normally reaching a maximum height of not more than eighteen (18") inches at maturity.

**Herbicide** - a substance that kills plants or inhibits their growth. Nonselective herbicides, generally toxic, are used to clear all plants from a broad area; selective herbicides attack weeds without permanently harming ornamental plants.

**Irrigation System** - the supply of water to landscape areas by an automatic sprinkler system.

**Logbook** - an official record book with daily entries of project status, pertaining to plant condition, fertilization, herbicide, pesticides, and irrigation repairs.

**Mulch** - used in landscape design to retard erosion, weed infestation, and retain moisture in planting areas.

**Palm** - a monocot tree which normally attains an overall height of at least twenty (20) feet.

**Pesticide** - A chemical substance used to destroy or inhibit the lifecycle of non-beneficial insects or diseases causing pathogens.

**pH** - the scale on which the acidity or alkalinity of soil is measured. It ranges from 1, an acid of fearsome strength, to 14, an alkali of equal ferocity, with 7 being the neutral point. Most garden soils fall between a pH of 5.5 and 8.6.

**Plant Material** - any of the following or a combination thereof such as, but not limited to: grass, ground cover, shrubs, vines, hedges, trees and palms.

**Prune** - the removal of dead, dying, diseased, weak or objectionable branches in a manner consistent with the National Arborist Association standards as incorporated herein, and as may be amended.

**Shrub** - a self-supporting woody perennial plant normally growing to a height of twenty-four (24") inches or greater and characterized by multiple stems and branches continuous from the base.

**Sucker Growth** - a shoot or stem that arises from the roots or trunk bases of a tree or shrub.

**Supervision** - the act, process, or function of supervising.

**Top Soil** - a medium composed of naturally occurring mineral particles and organic matter which provides physical, chemical and biological properties necessary for plant growth.

**Tree** - any living self-supporting woody plant which locally grows to an overall height of fifteen (15) feet or greater with a minimum crown spread of fifteen (15) feet or greater and which has a trunk which can be maintained with over five feet of clear trunk.

**Turf Grass** - any member of the very large grass family (Poaceae or Gramineae). Any area planted with lawn grasses.

**Surety** - the party which is bound with and for the Contractor to insure the payment of all lawful debts pertaining to and for the acceptable performance of the Agreement.

**Weed** - any plant that is unwanted and a nuisance in the context of a particular environment, whether it be a garden, a cultivated field, a pasture or in natural woodland or forest.

## SCOPE OF WORK AND SPECIFICATIONS

**STATEMENT OF RESPONSIBILITIES:** The Contractor will be responsible for providing machinery, equipment, tools, all materials, labor, supervision, transportation, supplies, insurance, proper safety measures and all incidentals necessary to provide and perform grounds maintenance services as described and required in these specifications.

**MAINTENANCE CLASSES:** Staff has designated all locations within this bid as one of the following service classes or what we refer to as "level of finish". The more site visits performed, the higher level of finish is expected for a site with that designation.

Each class typically represents the frequency of turf grass mowings / cuts unless otherwise noted in the chart and other landscape related maintenance tasks such as pruning of trees, shrubs and groundcovers as needed or as specified in this bid document. Debris cleanup, edging, blowing, string trimming, weeding, removing or adjusting tree stake kits etc. must be performed with every scheduled site visit.

Example #1: Granada Medians – Class "A" requires 39 turf grass mowings and 39 landscape maintenance visits to accomplish the above written tasks.

Example #2: - Vining Court – Class "A" requires 0 turf grass mowings and 39 landscape maintenance visits to accomplish the above written tasks.

## Class "A" Maintenance

**Number of Site Visits:** A total of thirty-nine (39) **maintenance visits** shall be provided between January 1st and December 31st.

**Maintenance Frequency:** The first thirty (30) **visits** of the season are to occur every seven (7) days starting March 14th. The final nine (9) **visits** are to occur every fourteen (14) days (November 1st to March 13th).

## Class "B" Maintenance

**Number of Site Visits:** A total of twenty-nine (29) **maintenance visits** shall be provided between January 1st and December 31st.

**Maintenance Frequency:** The first two (2) **visits** of the season are to occur every fourteen days starting on April 1st. The next seventeen (17) **visits** of the season are to occur every seven (7) days (May 1st to August 31st). The next six (6) **visits** are to occur every fourteen (14) days (September 1st to November 30th). The final four (4) **visits** are to occur every thirty (30) days (December 1st to March 31st).

## Class "C" Maintenance

**Number of Site Visits:** A total of sixteen (16) **maintenance visits** shall be provided between January 1st and December 31st.

**Maintenance Frequency:** The first ten (10) **visits** of the season are to occur every fourteen days starting April 1st. The final six (6) **visits** are to occur every thirty (30) days (September 1st to March 1st).

## Class "D" Maintenance

**Number of Site Visits:** A total of eleven (11) **maintenance visits** shall be provided between January 1st and December 31st.

**Maintenance Frequency:** The eleven (11) **visits** are to occur approximately every thirty (33) days.

## The following maintenance activities will occur during each scheduled site visit:

**TRASH / DEBRIS CLEANUP:** The Contractor shall be responsible for removing all trash and debris, regardless of its source from all turf grass area, parking area, sidewalks mulched landscape areas and shorelines. This includes, but is not limited to paper, bottles, cans, palm fronds, tree limbs, etc. from all sites covered in this bid document. The Contractor is responsible for disposal of trash and debris in accordance with all federal, state and local laws, rules and regulations.

**MOWING OF TURF GRASS AREAS:** All turf grass areas within specified facilities, parks, rights-of-way (medians and shoulders) including adjacent curb gutters shall be cleaned of all trash and/or debris prior to mowing. Mowing of trash and debris to shred into smaller pieces is not allowed.

All turf grass areas shall be mowed as specified in this document. No more than one-third (1/3) of the leaf blade should be removed per mowing. The grass shall not be cut so low as to damage or stress the grass and shouldn't be allowed to reach a height of six (6") inches or more unless otherwise requested by the City. The minimum turf grass mowing heights are as follows:

**St. Augustine – 3" minimum mowing height**

**Empire Zoysia – 2" minimum mowing height**

**Argentine Bahia – 3" minimum mowing height**

Areas where large mowers are impractical shall be serviced using **small push mowers such as the narrow median tips along Granada Boulevard, US1, Nova Road and A1A.** Mowing of wet turf grass shall be avoided unless permission is authorized by City staff. Contractor shall leave surrounding area(s) in a clean condition free of accumulated debris, including but not limited to grass clippings, after each mowing. Large clumps of clippings will be distributed by mechanical blowing or collected and removed. Materials removed from grounds shall be disposed of off-site by the Contractor in a lawful manner.

**EDGING OF TURF GRASS:** Contractor shall edge all appropriate surfaces with suitable mechanical equipment including, but not limited to driveways, curbs, parking areas, walkways, fences, plant beds and tree wells, so that no grass, ground covers or weeds are left extending beyond or over the surface being edged. This includes edging between adjoining beds of dissimilar ground cover types.

**STRING TRIMMING OF TURF GRASS:** Final string trimming around permanent objects such as metal posts and concrete curbing shall be accomplished with suitable mechanical equipment and at the same cutting heights as the rest of the turf areas. Where string trimming may damage wooden posts, decorative light poles or other City property, other non mechanical means must be performed.

**BLOWING OF DEBRIS AND TURF GRASS CUTTINGS:** Contractor shall blow all appropriate surfaces with suitable mechanical equipment including, but not limited to driveways, curbs, parking areas, walkways, turf grass areas, plant beds and tree wells as required to leave the area clean and free of debris. **Grass clippings and other organic debris shall not be blown into the roadway or disposed of in storm sewer drains per City Ordinance, Section(s) 10-8 and 10-9.**

**PRUNING OF SHADE AND ORNAMENTAL TREES:** Trees are to be pruned to maintain their natural shape and form by cutting any limb or "flag" that creates an odd shape or appearance. Dead, dying, diseased, sucker growth, and weak branches shall be removed to maintain a minimum 7'6" clear trunk height to provide unimpeded pedestrian or vehicular use of the sidewalks, roadways, parking areas, turf grass areas, planting beds, playgrounds and to provide visibility to all traffic devices and business identification signage.

All pruning shall be performed in accordance with the latest approved ANSI - A300 pruning standards.

**Crape myrtle trees are not pruned within the City limits and are not part of this bid. However, the contractor is responsible to remove all sucker growth that occurs between the rootball and bottom of the tree canopy.**

**ADJUSTING AND REMOVING TREE STAKE KITS:** Contractor is required to maintain all newly planted trees in a straight vertical position by adjusting tree stake kits as needed. The contractor will also be responsible to completely remove all stake kits approximately six (6) months to one (1) year after initial planting.

**PRUNING OF ORNAMENTAL SHRUBS AND GROUNDCOVERS:** Contractor shall prune and shape all ornamental shrubs and ground cover to maintain the natural form of the plant material and maintain its growth within the limitations of the plant bed, to eliminate damaged or diseased wood, and to provide sight distance requirements, if needed (see ornamental pruning specifications). The Maximum shrub height if found within sight distance triangles is 2'-6".

**WEEDING OF LANDSCAPE PLANTING BEDS:** Weeds, grasses and unwanted plant growth shall be removed from all mulched planting areas by hand pulling to removing the entire root system, or by herbicide spraying to effectively kill the entire root system of unwanted plant material. Herbicide shall not be applied in close proximity to existing ornamental shrubs, groundcovers or near the root system of any palm tree, with no exceptions. Herbicides shall not be applied on windy days as the drift will likely kill untargeted plant materials or turf grasses. String trimming around tree trunks with mechanical devices is prohibited. Weeding of all planting beds (including pavement and sidewalk areas) shall take place during each and every scheduled service to ensure the overall aesthetics of the landscape is not adversely affected by weed growth.

**REMOVING DEAD PLANT MATERIAL:** Contractor is responsible to remove and dispose of all dead ornamental trees, shrubs and ground cover during each scheduled visit. The contractor is responsible to notify staff to determine if a replacement is necessary.

**FERTILIZATION, DISEASE AND INSECT CONTROLS:** All landscaped areas shall be treated as outlined below to maintain all trees, palms, shrubs, groundcovers, and turf grass in good, healthy appearance and color. An application schedule along with the specified products must be submitted and approved by the City prior to applications.

**The following maintenance specification and schedules must be adhered to during this maintenance contract:**

**TURF GRASS FERTILIZATION (St. Augustine and Empire Zoysia):** All turf grass shall receive four (4) pounds of nitrogen per 1,000 square feet during the growing season. Turf grass shall be fertilized four (4) times per year and no more than one (1) pounds of nitrogen per 1,000 square feet shall be applied during each scheduled visit. In addition, a complete fertilizer shall be granular in composition and contain thirty to fifty percent (30% - 50%) or more of the nitrogen in a slow release form. The ratio of nitrogen to potash will be 1:1 or 2:1. A complete fertilizer shall be applied twice per year in March and September.

**SHADE AND ORNAMENTAL TREE FERTILIZATION:** All trees shall be fertilized one (1) time per year in early Spring with a balanced, slow release fertilizer, including minors at a rate of one (1) lbs per inch of caliper measured at DBH (4.5' above rootball).

**PALM TREE FERTILIZATION:** All mature palms in the landscape shall receive a complete granular fertilizer formulated for palms ("palm special") two (2) times per year at a rate of eight (8) pounds per application. Fertilizer shall be applied in March and September. Broadcast the fertilizer under the canopy of the palm but not up against the trunk where newly emerging roots may be injured.

**SHRUB AND GROUNDCOVER FERTILIZATION:** All shrubs and ground covers plantings shall be fertilized one (1) times per year in March with a heavy application of a balanced, slow release fertilizer, including minors. Each planting bed shall receive one (1) pound of nitrogen per 1,000 square feet of bed area. The mulch is to be pulled back and the fertilizer shall be applied directly near the rootball of each plant. Broadcasting on-top of mulch will not be allowed unless approved by City staff.

**DISEASE & INSECT CONTROL:** Contractor is responsible for the immediate control and identification of any insect or disease causing organisms that may arise in any landscape area. Root drench and bud drench all Medjool Palms with City approved fungicide/insecticide at the rate recommended by the manufacturer up to two (2) times per year. Upon confirmation of a specific problem requiring treatment, pesticides will be applied as needed on a spot treatment basis, whenever possible using the least toxic, effective pesticide. All applications of pesticides and fertilizations will be performed when temperatures are below 90 degrees and wind drift is negligible. All applicators shall have a State licensed, certified operator on staff or use a City approved sub-contractor that is licensed and certified for pest control.

Records will be kept on pests identified and treatment(s) rendered for control, shall be submitted to the City Contract Manager. All service costs related to pest control are to be included in the "total cost", as listed in the Bid Schedule. The Contractor or subcontractor shall be in strict accordance with all state and local regulations concerning licensing and safety requirements and be registered with the City of Ormond Beach Building and General Inspections Division.

**HERBICIDES:** Herbicide(s) may be used only with the prior written approval of the City and only in those areas authorized by the City staff. Pre-emergence herbicide shall be applied for control of winter annual weeds and herbicide shall be applied when night-time temperatures drop to fifty-five to sixty degrees Fahrenheit for several consecutive days from late October 20th to early November 7th. Contractor shall be responsible for the identification of weeds and be competent to recommend appropriate selective herbicides. Selective herbicides shall be used to manage weed outbreaks throughout the growing season. All herbicide applicators must be State Licensed to apply herbicides, and a copy of that license shall be provided to the City.

**LANDSCAPE PLANTING BED MULCHING:** All mulched areas will be replenished once a year during the winter months of November to March. The Contractor will properly prepare all planting beds by cutting new bed edges, adjusting tree rings sizes (per City Landscape Architect direction), raking out or removing excess mulch, digging new edges along concrete curbs and sidewalks, removing all weeds and dead plant materials prior to top-coating existing mulch areas with grade "A" shredded cypress hardwood mulch with pre-emergent. The Contractor shall replace areas where wash out occurs due to storms on an as-needed basis and the repair work will be billed as an extra work item. Depth of mulch shall be a minimum of 3 inches and a maximum of 4 inches.

## PLANT MATERIAL PRUNING SPECIFICATIONS AND SCHEDULE:

**SHADE AND ORNAMENTAL TREES:** Contractor will be responsible to prune all trees within the locations listed in this bid document. All pruning shall be performed in accordance with the latest approved ANSI - A300 pruning standards. Contractor will not be responsible to prune trees above a 15' height limit. Some of the most common trees are listed below:

**Crape Myrtles:** Remove crisscross, dead, broken branches, sucker growth and maintain a minimum clear trunk height of 7'6". **We do not cut back or tip our Crapes on a yearly basis.**

**EP / Dahoon Hollies:** Prune to keep a loose natural form by removing any branches that take away from the natural oval shape. Remove all sucker growth and maintain a minimum clear trunk height of 7'6". DO SHEER INTO A TIGHT TOPIARY SHAPE.

**Elm Species:** Remove crisscross, dead, broken branches, sucker growth and maintain a minimum clear trunk height of 7'6".

**Maple Species:** Remove crisscross, dead, broken branches, sucker growth and maintain a minimum clear trunk height of 7'6".

**Oaks Species:** Remove crisscross, dead, broken branches, sucker growth and maintain a minimum clear trunk height of 7'6".

**Oleander Standard Species:** Prune to keep a loose natural form by removing any branches that take away from the natural round shape. Remove all sucker growth and maintain a minimum clear trunk height of 7'6". **Do not sheer into a tight topiary shape.**

**PALM TREES (ADDITIVE ALTERNATE):** Contractor will be responsible to prune all palm trees per the quantities listing below if they are added to the base bid of this contract. The palms will be trimmed at the frequency specified to keep them free of seedpods and dead palm fronds. **No green palm fronds shall be removed during any trimming.**

**SHRUBS:** Contractor will be responsible to prune all shrubs within the locations listed in this bid document. Some of the most common materials are listed below with general maintenance specifications of each:

**Azaleas:** Prune after bloom has ended.

**Boxwoods:** Sheer tightly and box at a height of 24"- 36" as directed by staff.

**Crinums:** Remove damaged leaves and flower pods in Winter / Spring. Do not cut to ground unless directed by staff.

**Japanese Holly:** Sheer loosely and rounded at a height of 24"- 48" as directed by staff.

**Japanese Privet:** Sheer top rounded to a height of 24"– 48" as directed by staff.

**Ilex Species:** Sheer tightly and rounded at a height of 18"- 36" as directed by staff.

**Indian Hawthorn:** Sheer tightly and rounded at a height of 18"- 36" as directed by staff.

**Juniper Species:** Do not sheer as this will damage the plant material by browning the growing tips. Only remove brown branches with hand pruners.

**Nandinas:** Sheer tightly and rounded at a height of 18"- 30" as directed by staff.

**Oleanders:** Prune loosely and rounded at a height of 24"- 48" as directed by staff.

**Philodendrons:** Prune to remove damaged / brown leaves as needed.

**Pineapple Guava:** Sheer loosely and rounded at a height of 36"- 48" as directed by staff.

**Pittosporums:** Sheer loosely and rounded at a height of 36"- 48" as directed by staff.

**Podocarpus:** Sheer tightly and box at a height of 36"- 72" as directed by staff.

**Shrub Roses:** Dead head roses after bloom and keep form small and compact.

**Schefflera:** Sheer loosely and rounded at a height of 36"- 48" as directed by staff.

**Silverthorn:** Sheer loosely and rounded at a height of 48"-72" as directed by staff.

**Viburnum Species:** Sheer loosely and rounded at a height of 48"-72" as directed by staff.

**Wax Myrtles:** Sheer loosely and rounded at a height of 48"-72" as directed by staff.

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**GROUNDCOVERS:** Contractor will be responsible to prune all groundcovers within the locations listed in this bid document. Some of the most common materials are listed below with general maintenance specifications for each:

**Agapanthus:** Remove spent flower stalks after bloom is completed within 30 days.

**Asiatic Jasmine:** Sheer once per year to adjust height for matching consistency.

**Bulbines:** Remove spent flower stalks after bloom is completed within 30 days.

**Daylilys:** Remove spent flower stalks after bloom is completed within 30 days.

**Flax Lilies:** Remove spent flower stalks after bloom is completed within 30 days.

**Iris:** Hand prune to thin out material as needed to remove old dead or dying growth. Remove spent seed pods after bloom is completed within 30 days.

**Junipers:** Do not sheer as this will damage the plant material by browning the growing tips. Only remove brown branches with hand pruners.

**Liriopes:** Hand prune to thin out material as needed to remove old dead or dying growth.

**Perennial Peanut:** Mow once per year as directed by staff.

**Society Garlic:** Remove spent flower stalks after bloom is completed within 30 days.

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**ORNAMENTAL GRASSES:** Contractor will be responsible to cutback all grasses within the locations listed in this bid document. Some of the most common grasses are listed below:

**Crown Grass:** Do not cut back unless authorized by staff. (Example: I-95 Slopes).

**Dwarf Fakahatchee Grass:** Do not cut back unless authorized by staff. (N. US1 Gateway).

**Fountain Grass:** Cut back to 4"-6" inches tall at beginning of Winter.

**Muhly Grass:** Cut back to 4"-6" inches tall at beginning of Winter.

**Pampas Grass:** Cut back to 2' – 4' foot tall at beginning of Winter.

**Sandcord Grass:** Cutback to 4"-6" inches tall at beginning of Winter.

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**The following specifications are for the Granada Boulevard Medians specifically but should be used as a guideline for all FDOT permitted median plantings.**

**Yaupon Hollies:** Must be maintained at a maximum height of 24" inches. The hollies along the curb must be low enough as to not block the irrigation spray and must be maintained at this height as per the approved FDOT plans.

**Flax Lilies:** Cut back 2"-3" above the ground if damaged by frost.

**Indian Hawthorn:** Must be maintained at a maximum height of 24" inches. The hawthorn along the curb must be low enough as to not block the irrigation spray and must be maintained at this height as per the approved FDOT plans.

**Parson Junipers:** Prune the brown out of the junipers and remove dead plants as if required.

**Nandina Firepower:** Must be maintained at a maximum height of 24" inches. The nandina along the curb must be low enough as to not block the irrigation spray and must be maintained at this height as per the approved FDOT plans.

**Plant Free Zone:** Maintain a four (4') foot, plant free mulch zone behind back of curbs so the materials do not obstruct the irrigation spray. Also, all ground cover within a 3' radius of an existing irrigation heads should be removed for the same reason above.

**ANNUAL FLOWERS:** The contractor shall purchase, deliver, and furnish all material, labor, and necessary soil amendments for the installation and replacement of annual flowers per quarter. Four-inch pots, planted in the following schedule and spacing, to correspond with the installation period unless directed differently by the City.

| | | |
|---|---|---|
| January - March | = | 7,500 Annuals |
| April - June | = | 7,500 Annuals |
| July - September | = | 7,500 Annuals |
| October - December | = | 7,500 Annuals |

Proper annual spacing is as follows: 8"-10" spaces on-center.

**IRRIGATION SYSTEMS: (ADDITIVE ALTERNATE)** Contractor is responsible for the entire irrigation system from the water meter to the sprinkler excluding the meter.

Irrigation systems, including but not limited to all heads, pipes, valves, rain shut-off devices controllers etc., shall be thoroughly inspected at the first sign of turf or shrub distress and tested monthly for each area. Heads shall be visually inspected at each mowing and all necessary repairs shall be made immediately.

Inspections shall include the firing of all zones for the purpose of flushing and adjusting heads to provide for maximum coverage and efficiency. Contractor's personnel shall do visual inspections on a continual basis during the day-to-day maintenance operation. This shall include observing for dry areas, wash outs, missing or broken heads, etc. and reporting any problems to the Contractor's appropriate supervisor, to be scheduled for repairs. Contractor is responsible for monitoring for overuse of water – repair and reset as needed. Contractor is required to monitor and minimize overspray of irrigation heads onto paved surfaces (concrete/asphalt). **A monthly irrigation system inspection report shall be submitted and the area of repair shall be kept in a logbook. Any repairs charged to the City should be noted in this report to coincide with the monthly billing for extra work.**

Controllers shall be set by a qualified member of Contractor's staff according to design specifications and the current weather conditions, in compliance with all applicable local, state, or federal regulations. Irrigation schedules shall be submitted to the City staff for approval. The City shall provide staff assistance to the Contractor with respect to controller questions and state/local watering restrictions.

Repairs or replacement of any of the systems for normal wear and tear shall be reported to City staff. The contractor will repair the system and charge the City based on the hourly rate and material markup as per the bid documents. Emergency repairs must be completed within 24 Hours of notice by City staff.

Contractor will be required to repair/replace any irrigation parts that fail or are damaged due to contractor negligence. The City will be responsible for the costs to replace any irrigation parts that are stolen, damaged by acts of vandalism, vehicular damage or other unforeseen or unpreventable causes. All non-functional irrigation heads shall be turned in to the City staff.

**EROSION:** If there is noticeable erosion of any site caused by any means, the Contractor shall immediately notify the City's Contract Manager of its location. The Contractor shall be responsible for any erosion damage caused by Contractor's equipment or performance of its duties under this Contract.

## The following are additional requirements of this maintenance contract:

**EQUIPMENT:** The Contractor shall have on hand at all times and in good working order such equipment as shall permit the Contractor to adequately and efficiently perform its contractual duties. All equipment shall be kept in good repair, appearance, and in a sanitary and clean condition at all times.

Equipment shall have the name of the Contractor, business telephone number and the number of the vehicle in letters not less than three (3) inches high on each side of the vehicle. The contractor may also place its corporate logo on the vehicles; however, no other form of advertising shall be permitted on vehicles. The Contractor shall supply the City with a listing of the vehicle numbers normally assigned to performance of duties under this Contract and shall keep the list current.

All equipment shall be kept in good safe operating condition with sharp blades and in such condition that oil and gasoline are not leaked.

**EQUIPMENT STORAGE:** The Contractor is responsible for storing all equipment and supplies off site. The City will not provide any storage space for the contractor.

**EQUIPMENT FUELING AND LUBRICATING:** Mowers and power equipment shall be fueled and lubricated using proper tools and equipment. Any fuel or oil spills are the sole responsibility of the Contractor to clean up and / or remove at the Contractor's expense. Any damage to median plant material by such fuel or oil spills shall be replaced within three (3) days by Contractor at the Contractor's expense.

**CONTRACTOR SCHEDULE:** Contractor shall submit a calendar schedule of all work, including a fertilizer timetable, specifying fertilizer manufacturer and formulary, to be performed for one (1) year. A copy of the yearly calendar shall be submitted to City's Contract Manager. Contractor shall update schedule on a monthly basis as needed. The use of noise making equipment is restricted to the hours of 7:30 A.M. to 6:30 P.M. Monday through Friday, (unless otherwise approved in writing by the City's Contract Manager).

**FREEZE DAMAGE:** Any freeze damaged plant material shall have dead growth removed as soon as it is deemed safe by the contractor and staff, by the appropriate means. Typically, after March 15th.

**REPLACEMENT OF PLANT MATERIALS:** City will be responsible to replace all plant materials that are frozen, stolen, vandalized, or otherwise destroyed by unforeseen or unpreventable circumstances. However, if the City staff determines that the poor condition of plant materials is due to improper

maintenance or irrigation, the Contractor will be responsible for replacing such plant material at the Contractor's sole expense. City shall be notified of plants or areas in distress. These areas need to be evaluated for plan of action and monitored by contractor for actions success. **No dead plant material** will remain in landscape. All replacements shall be done within one (1) week of notification. City staff shall approve all plant replacements, sizes and specifications.

**SAFETY CONSIDERATIONS AND MAINTENANCE OF TRAFFIC (MOT):** During mowing/maintenance operations, "MOWING" or "CAUTION MOWING OPERATIONS" signs must be placed on or near affected walkways and other traffic areas. All highway equipment used on right-of-ways must be properly signed and equipped with working safety lights. The Contractor is responsible for being in compliance with all FDOT and OSHA rules and regulations at all times. Within DOT right-of-way, Maintenance of Traffic Plan (MOT) shall be prepared and implemented by the Contractor when required. All work shall be performed according to FDOT safety and signage recommendations as outlined in their Utility Accommodation Guide, Document Number 710-020-001-b

**EMERGENCY:** The Contractor must respond within one (1) hour to emergency calls placed by the City staff. Contractor shall employ all available means to expedite the service applicable to the nature of the emergency.

**STORM DAMAGE CLEANUP:** The Contractor must fully cooperate with the City in the cleanup of the medians after a storm. Storm damage cleanup must be completed within twenty-four (24) hours after the storm event. A storm is defined as winds of 35 M.P.H. or greater, rain in excess of three (3) inches over a twenty-four (24) hour period or other acts of nature. Provided the Contractor has obtained prior written authorization from the City's Contract Manager, the Contractor shall be reimbursed for the actual documented cost to the Contractor of all required additional labor, overhead and equipment provided by the Contractor in response to the storm event.

**ADDITIONAL MAINTENANCE: (Non-emergency):** The Contractor is required to complete additional maintenance and/or additional regularly schedule maintenance activities to new site not currently listed within this contract, at the request of City staff. Additional costs will be in accordance with the executed contacts unit costs, or as otherwise negotiated by City staff for additional site maintenance not presently included within this contract.

**EXTRAORDINARY OCCURRENCES:** It is agreed that in no event shall the City or Contractor be liable or responsible to each other or any other person to perform work herein provided, where such stoppages or delays result from inclement weather, drought or excessive rain, acts of God, fire, or any other cause not within the control of the City and/or the Contractor.

**QUALITY OF SERVICE:** The direction and supervision of grounds maintenance services shall be by competent and qualified personnel and the Contractor shall devote sufficient personnel, time and attention to the direction and detail of the operation to assure performance satisfactory to the City.

In the event the quality of work performed is not acceptable to the City or the work is not performed when specified, the City will reduce the next payment using the full price as submitted in this bid for the affected site.

**SUPERVISION:** The Contractor is responsible for all personnel and supervision required performing work in accordance with these specifications. Supervision will be required for all working hours of the contract.

The Contractor and their employees must comply with all City regulations.

The Contractor understands that all planning, coordinating, and implementation of the described services shall be done through personal contact between the Contractor and City staff. Contractor will notify the City staff (via fax, e-mail or in person) when the specified scheduled services are fully completed. This is to allow City staff to inspect for full contract compliance and authorization for scheduled payments. City approved representatives of the Contractor shall be available to meet with the City staff as required to accomplish the City's objectives. All meetings with the City will be at no charge.

**CONTACT PERSON:** The Contractor shall provide the name and telephone number(s) of an English speaking contact person in case of an emergency.

The Contractor shall provide the name and telephone of an English-speaking representative to meet periodically with City staff.

**CONTRACTORS EMPLOYEES:** Contractors employees must be bonded. Proof of bonding must be submitted with bid. The City may request the Contractor to provide a list of employees working certain days, hours, or assignments. Such list must be submitted within two (2) hours (unless otherwise indicated) of the City' request and may include Social Security numbers, driver's license numbers, and addresses.

The City reserves the right to accept or reject any employee of the Contractor.

All personnel must be visible as Contractor's employee(s) by uniform and/or badge while on City property. The Contractor's work force shall be neat and clean in appearance and shall wear identification. Identification shall include the employee's name and company name.

**SUBCONTRACTOR:** The contractor is not permitted to use any subcontractors in performing any services related to these specifications unless the contractor obtains prior written approval from City staff or is approved during the bid process.

Approval by the City does not make the City a party of such subcontract, or subject the City to liability of any kind to any subcontractor. No subcontract will, under any circumstances, relieve the Contractor of their liability and obligation under this Contract; and despite any such subletting; the City shall deal through the Contractor. Subcontractors will be dealt with as employees and representatives of the Contractor, and as such shall be subject to the same requirements as are other employees of the Contractor.

**VACATION:** Contractor shall not be allowed vacation time as part of this contract.

**AWARD:** The City reserves the right to award any contract(s) to the bidder(s) which it deems to offer the best overall service; therefore, the City is not bound to award any contract(s) based solely on lowest quoted price. The City also reserves the right to negotiate separately with competing bidders as deemed to be in the City's best interest.

**COST ADJUSTMENT:** No later than June 1, of each contract year, the Contractor may petition the City through the Contract Manager for a rate adjustment to reflect the change in the cost of doing business, as measured by fluctuations in the Consumer Price Index (CPI), All Urban Customers, published by the U.S. Department of Labor, Bureau of Labor Statistics, for the preceding July 1-June 30 period. The maximum increase for any annual period shall be four (4%) percent which will only apply to the future year, increases will not be retroactive. The adjusted rate, if approved by the City Commission shall take effect on October 1, of the year in which approved.

**TAXES:** The Contractor is responsible for paying any and all taxes associated with this agreement.

**OTHER AGENCIES:** Any bidder(s) awarded a contract resulting from this bid is/are given the privilege and is/are required to permit all public and governmental entities in the State of Florida to participate in the contract under the same terms and conditions.

It is understood that at no time will any agency be obligated for placing an order for any other agency. Each agency will only have the authority to obligate itself and will not be held responsible for bills incurred by any other agency. Further, it is understood that each agency will issue its own purchase order(s) or contract to successful bidder(s).

**NON-APPRROPIATION OF FUNDS:** In the event sufficient budget funds are not available for a new fiscal period, the City shall notify the Contractor of such occurrence and the contract shall terminate on the last day of the current fiscal period, without any penalty or expense to the City of any kind whatsoever.

**PAYMENT PROCEDURES:** Payment will be made after satisfactory completion of the work. Each invoice shall be paid by the CITY within thirty (30) days, in accordance with the Florida Prompt Payment Act (Part VII, Chapter 218, *Florida Statutes*). Submit invoices to the CITY's Facilities Maintenance Manager, Public Works Department, 501 N. Orchard Street, Ormond Beach, FL 32174.

Due to such occurrences if the work scheduled is unable to be performed or cancelled, no payments will be let for service(s) not rendered.

**TERMINATION OF AGREEMENT:** If the Contractor fails to perform the conditions of the agreement as specified and as interpreted by the Contract Manager, the Contract Manager shall provide written notice of such violations. Full payment may be withheld unless the discrepancy is resolved within five (5) calendar days of written notice. If the violations are not corrected to the satisfaction of City staff or reoccur, the City may in its sole discretion immediately terminate the agreement. Termination or cancellation of the agreement will not relieve the Contractor from any contractual obligations to the City.

**The City reserves the right to terminate the agreement with or without cause upon one hundred eighty (180) calendar day written notice.**

The City Commission shall have the right to terminate the Agreement in the event the Contractor files any petition or proceeding for bankruptcy relief, or is adjudicated to be bankrupt or insolvent, or fails to pay just debts as they ordinarily become due.

This Agreement may not be terminated by the Contractor.

# CITY OF ORMOND BEACH
## INVITATION TO BID
### GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
### Bid No. 2012-10

## SELECTION OF CONTRACTOR, SUBMITTALS AND BID SCHEDULE

**PROFESSIONAL QUALIFICATION:** Any firm or individual licensed and bonded to perform the landscape maintenance work, having demonstrable professional experience in the project category for a minimum of 10 years and having interest in providing these services to the City of Ormond Beach, is invited to submit a Letter of Interest and Bid. References will be verified and past performance must be found acceptable by City staff.

**INFORMATION TO BE SUBMITTED:** The Bid package shall consist of the following:

1. One (1) complete original BID including Bid (ITB) form, Addendum Acknowledgement and completed fee schedule..
2. One (1) original letter of interest.
3. Philosophy and general project approach of the firm or individual.
4. Proposed organizational chart, with resumes of the project team. Include subcontractors for consideration, if appropriate.
5. Provide financial information (Balance Sheet and Income Statement) for 2009, 2010, and 2011.
6. Past Experience - Similar contracts. List projects which are similar in scope and size that the proposed firm or individual has been awarded within the past five (5) years including:
   a) Contract name
   b) Address
   c) A brief description of the work
   d) Contract amount
   e) Duration
   f) Name of contact with telephone number
7. List of equipment the bidder possesses.
8. Copy of firm's current Operational Business License renewal.
9. Copy of firm's insurance certificates.
10. Conflict, Non-Conflict of Interest Statement and Litigation Statement
    A list of all lawsuits that the bidder has been a party to in the past five (5) years
11. Drug Free Workplace Certificate

# CITY OF ORMOND BEACH
## INVITATION TO BID

### GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
### Bid No. 2012-10

The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER to complete all Work as specified or indicated in the Contract Documents for the Contract Price and within the Contract Time as indicated in this Bid Proposal and in full accordance with all requirements as set forth in the Contract Documents.

(a) The Contract Documents, which set forth the terms and conditions of the Agreement, are comprised of the signed Quotation, with all related attachments and addendum (if any), any documentation accompanying the Quote, any post-quotation documentation submitted prior to the Notice of Award, the Certificate of Liability Insurance, the Bonds (when required), the Project Specifications and/or Drawings, the signed Purchase Order, as issued by the OWNER, and any other exhibits identified in the Agreement, together with any modifications issued after the execution of the Agreement.

(b) The Contract Price constitutes the total compensation (subject to authorized adjustments) payable by the OWNER to the CONTRACTOR for performing the Work.

(c) The Contract Time constitutes the number of calendar (consecutive) days allowed for the completion of the Work. The time shall commence on the date set in the Notice to Proceed. The completion date shall not fall on a Saturday or Sunday or on any legal holiday and shall be advanced to the next "business" day.

The Contractor is responsible for furnishing and maintaining all equipment in safe operating condition to perform duties in accordance with these specifications.

The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

**HOLD HARMLESS:** The City, its agents, employees, and officials, both elected and appointed, shall be held harmless from and against all claims for bodily injury, sickness, disease, death or personal injury or damage to property or loss of use resulting there from, arising out of the agreement, contract or lease unless such claims are a result of the City's sole negligence, as determined by the final arbiter of such claim.

The City, its agents, employees, and officials, both elected and appointed shall be held harmless from and against all claims for bodily injury, sickness, disease, death or personal injury or damage to property or loss of use resulting there from arising out of performance of the agreement or contract, unless such claims are a result of the City's sole negligence, as determined by the final arbiter of such claim.

The City, its agents, employees, and officials, both elected and appointed shall also be held harmless from and against all claims for financial loss with respect to the provision of or failure to provide professional or other services resulting in professional, malpractice, or errors and omissions liability arising out of performance of the agreement or contract, unless such claims are a result of the City's sole negligence, as determined by the final arbiter of such claim.

In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement, that:

# CITY OF ORMOND BEACH
## INVITATION TO BID
## GROUNDS MAINTENANCE SERVICES – FACILITIES, PARKS & RIGHTS OF WAY
## Bid No. 2012-10

(a) BIDDER has examined copies of all the Contract Documents and of the following addenda (receipt of all of which is hereby acknowledged):

| Addendum Date | Addendum Number |
|---|---|
| 4/17/2012 | #1 |
| | |
| | |

(b) BIDDER has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as BIDDER deems necessary.

(c) BIDDER accepts all of the terms and conditions of the Contract Documents. This Bid will remain open for 120 days after the day of Bid opening. BIDDER will submit the Contract security bonds (when required) and other documents required by the Contract Documents within ten (10) days after the date of OWNER'S Notice of Award.

(d) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or a corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for himself any advantage over any other Bidder or over OWNER; and

(e) BIDDER will complete the Work for the following price(s):

## GROUNDS MAINTENANCE - ZONE 1

| ITEM # | SITE NAME | ADDRESS | ACREAGE | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 1 | Birthplace of Speed Park | 21 Ocean Shore Blvd | .68 Acre | 39-A | 9 | $ 5,384.00 |
| 2 | NE Bridge Approach | John Anderson & Granada Ave. | .05 Acre | 16-C | 2 | $3,402.00 |
| 3 | Windward Circle | End of Windward Dr. | .01 Acre | 11-D | 0 | $180.00 |
| 4 | Sundance Trail | 1 Block S. of Neptune Dr. | .01 Acre | 11-D | 0 | $180.00 |
| 5 | Lift Station 6P | 350 John Anderson Dr | .18 Acre | 16-C | 5 | $252.00 |
| 6 | Colonial Circle | Colonial & John Anderson | .07 Acre | 16-C | 1 | $252.00 |
| 7 | Country Club Med/Ent. | Country Club & N. A1A | .06 Acre | 16-C | 0 | $252.00 |
| 8 | Standish Water Tank | 20 Standish Dr. | .15 Acre | 16-C | 0 | $ 252.00 |
| ~~9~~ | ~~Bellewood Circle~~ | ~~Bellwood & N. Halifax~~ | ~~.12 Acre~~ | ~~16-C~~ | ~~0~~ | ~~$252.00~~ |
| 10 | Ellicott Drive | Ellicott Dr. & N. A1A | .04 Acre | 16-C | 0 | $ 252.00 |
| 11 | Woodhaven Circle | John Anderson & Woodhaven Dr. | .02 Acre | 16-C | 1 | $ 252.00 |

## GROUNDS MAINTENANCE - ZONE 1 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 12 | St. Marks Circle | 1 block E. of John Anderson off Halifax Dr. | .02 Acre | 16-C | 1 | $252.00 |
| 13 | Ted Porter Park | 1044 John Anderson | .15 Acre | 16-C | 3 | $504.00 |
| 14 | Sandcastle Drive Medians | Between John Anderson & A1A | .02 Acre | 16-C | 0 | $252.00 |
| 15 | Streetscape Granada Blvd. | A1A to N. Orchard - SR40 | 1 Acre & 5 Medians | 39-A | 29 | $9,219.00 |
| 16 | Post Office, Beachside | 55 E. Granada Blvd | .05 Acre | 39-A | 1 | $2,460.00 |
| 17 | Fortunato Park | 2 John Anderson Dr | 2.65 Acre | 39-A | 12 | $13,079.00 |

## GROUNDS MAINTENANCE - ZONE 2

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 1 | Fire Station #91 (See attached plan for additional Maintenance Requirements) | 364 S Atlantic Ave | 1 Acre | 39-A | 12 | $ 8,317.00 |
| 2 | Tennis Center | 38 E. Granada | 2.29 Acre | 39-A | 3 | $ 8,191.00 |
| 3 | The Casements | 25 Riverside Dr. | 1.71 Acre | 39-A | 11 | $ 6,655.00 |
| 4 | Rockefeller Gardens/S.E. Bridge Approach | 26 Riverside Dr. | 3.41 Acre | 39-A | 10 | $ 16,104.00 |
| 5 | Bosarvey Circle | Bosarvey & S. Halifax Dr. | .03 Acre | 16-C | 0 | $ 252.00 |
| 6 | Riverside Circle | Off of Riverside Dr. | 0 Acre | 11-D | 0 | $ 96.00 |
| 7 | Ormond Parkway Lift Station 3P & Park | 252 Riverside Dr. | .07 Acre | 16-C | 0 | $ 384.00 |
| 8 | Magnolia & Valencia | Magnolia & S. Halifax Dr. | .01 Acre | 16-C | 2 | $ 252.00 |
| 9 | Vadner Park | 105 Seminole Ave. | .61 Acre | 16-C | 2 | $ 384.00 |
| 10 | Fluhart Corner | Fluhart & S. Halifax Dr. | 0 Acre | 11-D | 0 | $ 96.00 |

## GROUNDS MAINTENANCE - ZONE 2 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 11 | Milton Pepper Park | 6 Bayberry Ct | .16 Acre | 39-A | 6 | $ 2,460.00 |
| 12 | Lift Station 2P | 605 Riverside Dr. | .0046 Acre | 11-D | 0 | $ 180.00 |
| 13 | Ponce DeLeon/Benjamin Triangle | Ponce DeLeon & Benjamin Dr. (W) | .002 Acre | 16-C | 1 | $ 252.00 |
| 14 | Ponce DeLeon/Benjamin Triangle | Ponce DeLeon & Benjamin Dr. (E) | .002 Acre | 16-C | 0 | $ 252.00 |
| 15 | Marvin Cemetery | 106 Marvin Rd | .02 Acre | 16-C | 0 | $ 384.00 |
| 16 | Lift Station 5P | 812 Riverside Dr. | .01 Acre | 11-D | 0 | $ 264.00 |
| 17 | Ormond Shores Park | 201 Ormond Shores Dr. | 2 Acre | 39-A | 6 | $ 4,296.00 |
| 18 | Vining Court | Vining Court | 0.15 Acre | 0-B | 8 | $ 9,132.00 |
| 19 | Ormond Parkway Palms | Ormond Parkway | N/A | 0-D | 1 | $ 180.00 |
| 20 | Arlington Way Palms | Arlington Way | N/A | 0-D | 1 | $ 180.00 |

## GROUNDS MAINTENANCE - ZONE 2 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 21 | Ellinor Village Sign | 10 Mulberry Dr. & 63 Byron Ellinor Dr | 0.01 Acre | 0-C | 2 | $ 252.00 |
| 22 | Granada Beach Approach | 300 E Granada Blvd. | 0.02 Acre | 0-A | 2 | $ 924.00 |
| 23 | Memorial Gardens | 78 E Granada Blvd | N/A | IRRIG. ONLY | 14 | $ 180.00 |
| 24 | A1A Medians | A1A | 9 Medians | 39-A | 18 | $ 13,727.00 |
| 25 | Andy Romano Beachfront Park | 839 S. Atlantic Ave | 3.27 Acre | 39-A | 15 | $ 8,077.00 |

## GROUNDS MAINTENANCE - ZONE 3

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 1 | Bailey Riverbridge Gardens NW Bridge Approach | 1 N. Beach St. | 1.36 Acre | 39-A | 18 | $ 11,372.00 |
| 2 | New Britain Parking Lot | 15 N Washington St. | 1.21 Acre | 39-A | 9 | $2,460.00 |
| 3 | State Road 40 | Orchard St. W. to Old Kings Rd. | 1.25 Acre | 39-A | 0 | $ 12,797.00 |
| 4 | N. Beach St. ROW | N. Beach St. & Rosewood/N. Beach & Dix/N. Beach & Lincoln | .19 Acre | 16-C | 0 | $252.00 |
| 5 | Hernandez & US1 | Hernandez & US1 | .28 Acre | 16-C | 0 | $ 504.00 |
| 6 | Wilmette Circle | Off of Wilmette Ave. | .04 Acre | 16-C | 1 | $ 252.00 |
| 7 | Senior Center | 351 Andrews St | .53 Acre | 39-A | 10 | $ 8,994.00 |
| 8 | Performing Arts Center | 399 N. US 1 | 2.22 Acre | 39-A | 11 | $ 15,363.00 |
| 9 | Huguenot Park | 401 N. Beach St. | .44 Acre | 29-B | 2 | $1,836.00 |
| 10 | Sanchez Park / Lift Station | 329 Sanchez Ave. | 1.93 Acre | 39-A | 2 | $7,974.00 |

## GROUNDS MAINTENANCE - ZONE 3 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 11 | Woodmere Park | 630 N Ridgewood Ave | .27 Acre | 16-C | 0 | $ 504.00 |
| 12 | Sanchez Gate Coquina Monument | 1 Sanchez Ave | .008 Acre | 16-C | 0 | $ 252.00 |
| 13 | Lift Station 7M | 903 N. Beach St. | .01 Acre | 16-C | 1 | $ 252.00 |
| 14 | Woodmere Entrance / Circle | Woodmere & N. Beach St. | .02 Acre | 16-C | 0 | $ 504.00 |
| 15 | Parkwood Circle | Parkwood 1 S. of Woodmere Dr. | .01 Acre | 16-C | 0 | $ 252.00 |
| 16 | Northbrook Dr. Median / Ent. | Northbrook & N. Beach St. | .12 Acre | 16-C | 1 | $ 504.00 |
| 17 | Santa Lucia Medians | Santa Lucia & N. Beach St. | .08 Acre | 16-C | 0 | $ 504.00 |
| | | | | | | |
| 18 | Santa Lucia Park | 1099 Oak Forest Dr | .20 Acre | 16-C | 0 | $ 252.00 |
| 19 | Avenue Bonita Medians | Ave. Bonita & N. Beach St. | .03 Acre | 16-C | 0 | $ 504.00 |

## GROUNDS MAINTENANCE - ZONE 3 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 20 | Eileen Terrace Median | Eileen Terrace & N. Beach St. | .01 Acre | 16-C | 0 | $ 252.00 |
| 21 | Avenue La Vista Medians | Ave. LaVista & N. Beach St. | .03 Acre | 16-C | 0 | $ 384.00 |
| 22 | Carmel Terrace Median | Carmel Terrace & N. Beach St. | .01 Acre | 16-C | 0 | $ 252.00 |
| 23 | Sharon Terrace Median | Sharon Terrace & N. Beach St. | .01 Acre | 16-C | 0 | $ 252.00 |
| 24 | Fleet Maintenance Complex | 500 N. Orchard St. | 2.09 Acre | 29-B | 2 | $ 9,762.00 |
| 25 | Public Works Complex | 501 N. Orchard St. | 2.22 Acre | 29-B | 10 | $ 9,276.00 |
| 26 | Waste Water Plant | 550 N. Orchard St. | .92 Acre | 29-B | 7 | $ 4,572.00 |
| 27 | Water Tank | 500 N. Orchard St. | .25 Acre | 29-B | 3 | $ 2,736.00 |
| 28 | Hospital Gardens | 171 Old Kings Rd. | .51 Acre | 16-C | 2 | $ 504.00 |
| 29 | Shadow Lakes Entrance | Shadow Lakes & Nova Rd. | .09 Acre | 29-B | 0 | $ 912.00 |

## GROUNDS MAINTENANCE - ZONE 3 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 30 | Nova Community Park / E. & W. side of Nova Rd. outside of ball field fences | 440 N. Nova Rd. | 10.12 Acre | 39-A | 14 | $ 23,071.00 |
| 31 | Lift Stations 8M2 & 8M3 | 301 & 103 Riverbluff Dr. | .04 Acre | 16-C | 0 | $ 504.00 |
| 32 | Airport Recreation Complex | 1375 Harmony Ave | 3 Acre | 29-B | 8 | $ 9,364.00 |
| 33 | Airport Entrance | 730 Airport Rd. | 3.77 Acre | 39-A | 6 | $ 3,827.00 |
| 34 | Business Park Entrance | Airport Rd. at Sunshine Blvd. | .5 Acre | 39-A | 12 | $ 3,684.00 |
| 35 | Lift Station ABP | 14L Sunshine Blvd. | .4 Acre | 16-C | 2 | $ 1,008.00 |
| ~~36~~ | ~~Fire Station #94~~ | ~~2301 Airport Rd.~~ | ~~.94 Acre~~ | ~~29-B~~ | ~~6~~ | ~~$ 2,785.00~~ |
| 37 | Leeway Tank | 301 Leeway Trail | 1 Acre | 16-C | 0 | $ 1,008.00 |

## GROUNDS MAINTENANCE - ZONE 3 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 38 | Breakaway Trail Treatment Plant | 35 Breakaway Trail | 1 Acre | 16-C | 0 | $ 1,512.00 |
| 39 | Ormond Towne Square | SE corner of SR40 and Williamson | 1 Acre | 16-C | 0 | $ 1,764.00 |
| 40 | Hidden Hills | SR40 & Hidden Hills Dr. | .01 Acre | 16-C | 0 | $ 252.00 |
| 41 | Fire Station #93 | 300 Wilmette Ave | .87 Acre | 39-A | 5 | $ 5,329.00 |
| 42 | Tank Site | 495 N Orchard St | 1.35 Acre | 39-A | 4 | $ 3,684.00 |
| 43 | North Nova Rd Medians | Nova Rd | 6 Medians | 39-A | 6 | $ 9,933.00 |
| 44 | Lakebridge ROW | Lakebridge Dr. | 1.35 Acre | 29-B | 0 | $ 2,736.00 |
| 45 | I-95 Slopes | I-95 & SR-40 | 1.26 Acre | 0-B | 12 | $ 9,973.00 |
| 46 | Riverbend Park | 775 Airport Rd | 1 Acre | 29-B | 0 | $ 1,824.00 |
| 47 | N US-1 Gateway Sign | 1000 N. US Hwy 1 | 0.01 Acre | 29-B | 1 | $ 912.00 |
| 48 | US-1 Medians | US Hwy 1 | 46 Medians | 39-A | 31 | $ 26,917.00 |

## GROUNDS MAINTENANCE - ZONE 3 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 49 | SR-40 Medians (Orchard to Old Tomoka) | SR-40 | 32 Medians | 39-A | 57 | $ 42,702.00 |
| 50 | Williamson Medians | Williamson Blvd | 9 Medians | 39-A | 5 | $ 8,486.00 |

## GROUNDS MAINTENANCE - ZONE 4

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 1 | Cassen Riverfront Park / SW Bridge Approach | 1 S. Beach St. | 1.97 Acre | 39-A | 12 | $ 11,904.00 |
| 2. | City Hall / Library | 22 S. Beach St. | 1.41 Acre | 39-A | 21 | $ 14,841.00 |
| 3 | Live Oak ROW | Live Oak & Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 4 | Ames Park | 195 S. Beach St. | 1.44 Acre | 39-A | 0 | $ 7,030.00 |
| 5 | Indian Mound Park | 196S. Beach St. | .35 Acre | 39-A | 0 | $ 1,848.00 |
| 6 | Fairview Avenue ROW | Fairview & S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 7 | Division Avenue ROW | Division & S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 8 | Ellsworth Avenue ROW | Ellsworth & S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 9 | Arbor Drive South ROW | Arbor and S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 10 | McAlister Drive ROW | McAlister and S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |

## GROUNDS MAINTENANCE - ZONE 4 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 11 | Riverview Pump Station | 559 S. Beach St. | .01 Acre | 11-D | 0 | $ 180.00 |
| 12 | Lorillard Place ROW | Lorillard Place & S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 13 | Reynolds Avenue ROW | Reynolds & S. Beach St. | .01 Acre | 11-D | 0 | $ 348.00 |
| 14 | Lift Station 1M | 699 S. Beach St. | .07 Acre | 11-D | 0 | $ 348.00 |
| 15 | Arroyo ROW | S. Beach St. & Arroyo Pkwy. | .01 Acre | 11-D | 0 | $ 348.00 |
| 16 | Arryo Fountain | 11 Arroyo Pkwy. | .03 Acre | 16-C | 1 | $ 228.00 |
| 17 | Riviera Park | 901 S. Beach St. | 6.86 Acre | 39-A | 12 | $ 12,382.00 |
| 18 | Plaza Triangle | Plaza Grande & S. Beach St. | .01 Acre | 16-C | 0 | $ 252.00 |
| | | | | | | |

## GROUNDS MAINTENANCE - ZONE 4 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 19 | Areca Triangle | Buena Vista & Areca | .10 Acre | 16-C | 0 | $ 1,008.00 |
| 20 | Plaza Grande Medians (2) | 95 Plaza Grande | 1.12 Acre | 16-C | 3 | $ 1,570.00 |
| 21 | Alcazar Triangle | Buena Vista & Alcazar | .53 Acre | 16-C | 0 | $ 756.00 |
| 22 | Seville Triangle | Buena Vista & Seville | .10 Acre | 16-C | 2 | $ 504.00 |
| 23 | Arroyo Oaks Mini-Park | 165 Arroyo Pkwy. | .50 Acre | 16-C | 0 | $ 756.00 |
| 24 | Big Oak Triangle | Intersection of E. & W. Ridgewood Ave. | .13 Acre | 16-C | 0 | $ 504.00 |
| 25 | Capri Circle | Capri Cir. E. of S. Ridgewood Ave. | .01 Acre | 16-C | 0 | $ 252.00 |
| 26 | South Ormond Neighborhood Center | 176Division Ave. | 3.08 Acre | 39-A | 18 | $ 10,862.00 |
| 27 | Waldo O Berry Park | 192 Central Ave | .25 Acre | 39-A | 6 | $ 3,588.00 |

## GROUNDS MAINTENANCE - ZONE 4 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 28 | Washington Streetscape ROW | On Washington St. from Tomoka Ave. to Division Ave. | .75 Acre | 29-B | 0 | $ 2,736.00 |
| 29 | Corbin Parking Lot | 101 Corbin Ave | 0.5 Acre Lot .36 Acre | 39-A | 8 | $ 6,144.00 |
| 30 | Ormond Elementary ROW | ROW on S. Ridgewood Ave. from Granada Blvd. to Tomoka Ave. | .08 Acre | 29-B | 4 | $ 912.00 |
| 31 | Police Department | 170 W Granada Blvd. | 2.06 Acre | 39-A | 29 | $ 11,157.00 |
| 32 | Water Plant | 298 Tomoka Ave. | .92 Acre | 29-B | 1 | $ 3,192.00 |
| 33 | Mary Street Lot | Mary St. & Malaga Ave. | .20 Acre | 11-D | 0 | $ 348.00 |
| 34 | Central Park (II) | 601 Hammock Ln. | 4 Acre | 39-A | 10 | $ 8,654.00 |
| 35 | Central Park (III)(A) | 600 Hammock Ln. | 5.15 Acre | 39-A | 10 | $ 12,610.00 |

## GROUNDS MAINTENANCE - ZONE 4 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 36 | Central Park (III)(B) | 601 Division Ave. | 5.15 Acre | 29-B | 0 | $ 3,296.00 |
| 37 | Central Park (IV) | 601 Hand Ave. | 1 Acre | 29-B | 0 | $ 3,158.00 |
| 38 | Central Park (I) | 601 Fleming Ave | 5.50 Acre | 39-A | 1 | $ 11,901.00 |
| 39 | Lift Station AYO | 600 Arroyo Pkwy. | .25 Acre | 16-C | 2 | $ 252.00 |
| 40 | Stratford Place | All medians in Stratford Pl. off of Hand Ave. | .15 Acre | 29-B | 2 | $ 1,140.00 |
| 41 | Mooreland Boulevard Medians | Mooreland Blvd. & S. Nova Rd. W. side | .71 Acre | 39-A | 6 | $ 3,684.00 |
| 42 | Woodlands Boulevard Entrance | Woodlands Blvd. & S. Nova Rd. W. side | .31 Acre | 39-A | 1 | $ 1,848.00 |
| 43 | Fire Station #92 | 189 S. Nova Rd. | .67 Acre | 29-B | 0 | $ 1,824.00 |

## GROUNDS MAINTENANCE - ZONE 4 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 44 | Woodlands Circle | Woodlands Blvd. | .01 Acre | 29-B | 1 | $ 456.00 |
| 45 | Butternut Circle | Woodlands Blvd. | .01 Acre | 29-B | 1 | $ 456.00 |
| 46 | Hamlet Circle | Woodlands Blvd. | .01 Acre | 29-B | 1 | $ 456.00 |
| 47 | Sugarberry Circle | Woodlands Blvd. | .03 Acre | 29-B | 1 | $ 456.00 |
| 48 | Red Maple Circle | Woodlands Blvd. | .03 Acre | 29-B | 1 | $ 684.00 |
| 49 | Sandpiper Circle | Woodlands Blvd. | .03 Acre | 29-B | 2 | $ 456.00 |
| 50 | Winding Woods Wall | SR40 and Winding Woods E. | .02 Acre | 16-C | 1 | $ 252.00 |
| 51 | Lift Station 5M | 900 W Granada Blvd | .17 Acre | 16-C | 0 | $ 504.00 |
| ~~52~~ | ~~Trails 40 Medians (3) From SR40~~ | ~~SR40 & S. Forty Trail~~ | ~~.02 Acre~~ | ~~16-C~~ | ~~3~~ | ~~$ 756.00~~ |
| 53 | Oakridge Cemetery | 170 S. Nova Rd. | 1.50 Acre | 16-C | 0 | $ 1,260.00 |

## GROUNDS MAINTENANCE - ZONE 4 (Continued)

| ITEM # | SITE NAME | ADDRESS | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|---|
| 54 | South Nova Rd Medians | Nova Rd | 18 Medians | 39-A | 16 | $ 19,039.00 |
| 55 | Division Ave Pond | 801 Division Ave. | 1.72 Acre | 29-B | 2 | $ 3,060.00 |
| 56 | South Old Kings Rd Pond | 135 South Old Kings Rd | 2.28 Acre | 29-B | 2 | $ 3,958.00 |

## MOWING - AREA 1

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | S. Halifax Dr. - Granada S. to Riverbeach Dr. - AVOID 422 S. Halifax | .285 Acre | 16-C | 0 | $ 252.00 |
| 2 | Willis Dr. and Riverside - 20' ROW by river | .078 Acre | 16-C | 0 | $ 252.00 |
| 3 | Vining Court - on south side | .216 Acre | 16-C | 0 | $ 252.00 |
| 4 | Coquina - Lucky Dr. north to Vining Court | .277 Acre | 16-C | 0 | $ 252.00 |
| 5 | Lucky Dr. - from Bosarvey north to Vining Court | .094 Acre | 16-C | 0 | $ 252.00 |
| 6 | Seton Trail - From Bosarvey to Seminole | .049 Acre | 16-C | 0 | $ 252.00 |
| 7 | Bosarvey - Halifax east to A1A | .633 Acre | 16-C | 0 | $ 773.00 |
| 8 | Seminole - Halifax east to A1A | .916 Acre | 16-C | 0 | $ 893.00 |
| 9 | Osceola to Oleeta - ROW south east corner | .099 Acre | 16-C | 0 | $ 252.00 |
| 10 | Byron Ellinor - A1A west behind shopping center | .226 Acre | 16-C | 0 | $ 252.00 |
| 11 | Fluhart - From S. Halifax west to Pine, south side | .005 Acre | 16-C | 0 | $ 252.00 |
| 12 | Rockefeller, ROW on river and from sidewalk on north side east to A1A | .533 Acre | 16-C | 0 | $ 504.00 |

## MOWING - AREA 1 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 13 | Grandview - SE corner at Rockefeller and north of 503 | .037 Acre | 16-C | 0 | $ 252.00 |
| 14 | Wild Olive - Intersection of Wild Olive and Ormond | .025 Acre | 16-C | 0 | $ 252.00 |
| 15 | Ormond Shore - Wild Olive west to Pinewood (south) | .029 Acre | 16-C | 0 | $ 252.00 |
| 16 | Northshore - A1A west to first drive past Pinewood | .101 Acre | 16-C | 0 | $ 252.00 |
| 17 | Pinewood - Riverbeach south to Northshore around corner | .079 Acre | 16-C | 0 | $ 252.00 |
| 18 | Palmetto - Marvin north to Benjamin including easement between houses at Palmetto and Benjamin | .099 Acre | 16-C | 0 | $ 252.00 |
| | | | | | |
| 19 | Milsap & Marvin - From A1A west including ROW and in front of Marvin Cemetery | .113 Acre | 16-C | 0 | $ 252.00 |
| 20 | Harvard - Just west of Bennigan's on north side | .025 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 2

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | John Anderson Drive. - Granada to Halifax AVOID 422 S. Halifax | .855 Acre | 16-C | 0 | $ 830.00 |
| 2 | Sandcastle - SE corner & south side to church lot | .112 Acre | 16-C | 0 | $ 252.00 |
| 3 | Banyan Drive - ROW at Banyan & Halifax | .679 Acre | 16-C | 0 | $ 710.00 |
| 4 | Ellicott - At A1A and around wall South side | .03 Acre | 16-C | 0 | $ 252.00 |
| 5 | Standish - South side east of N. Halifax | .131 Acre | 16-C | 0 | $ 252.00 |
| 6 | Dianne Drive - East end sides and island | .131 Acre | 16-C | 0 | $ 252.00 |
| 7 | Amsden - South side west of A1A | .014 Acre | 16-C | 0 | $ 252.00 |
| 8 | North Halifax - From Banyan Court south to Granada | .117 Acre | 16-C | 0 | $ 252.00 |
| 9 | Neptune - A1A west to golf course | .029 Acre | 16-C | 0 | $ 252.00 |
| 10 | Royal Palm - South side west of N. Halifax | .023 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 3

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | S. Beach St. - Tomoka Ave. south to Division | .04 Acre | 16-C | 0 | $ 252.00 |
| 2 | S. Ridgewood | .97 Acre | 16-C | 0 | $ 1,140.00 |
| 3 | Tomoka St. - Beach St. west to US1 | .155 Acre | 16-C | 0 | $ 252.00 |
| 4 | Corbin St. - S. Ridgewood west to US1 | .109 Acre | 16-C | 0 | $ 252.00 |
| 5 | Grove St. - Tomoka south to Ellsworth & 1 ROW on Ellsworth | .179 Acre | 16-C | 0 | $ 252.00 |
| 6 | Arbor Triangles - One near Beach St. - One near S. Ridgewood | .064 Acre | 16-C | 0 | $ 252.00 |
| 7 | N. Ridgewood from Lincoln to SR40 south to Division | .01 Acre | 16-C | 0 | $ 252.00 |
| | | | | | |
| 8 | Midway - Washington west to US1 | .112 Acre | 16-C | 0 | $ 252.00 |
| 9 | Live Oak - S. Ridgewood west to US1 | .074 Acre | 16-C | 0 | $ 252.00 |
| 10 | Central - ROW just east of Grove west to US1 including easement between S. Ridgewood and Washington | .307 Acre | 16-C | 0 | $ 383.00 |
| 11 | Mound - Beach St. west to US1 | .157 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 3 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 12 | Fairview - S. Ridgewood west to US1 | .29 Acre | 16-C | 0 | $ 252.00 |
| 13 | Roosevelt - ROW only at Fairview | .017 Acre | 16-C | 0 | $ 252.00 |
| 14 | Division - Beach St. west to US1 | .234 Acre | 16-C | 0 | $ 252.00 |
| 15 | Bostrom - Division south to Hand | .255 Acre | 16-C | 0 | $ 252.00 |
| 16 | Fred Gamble - Hand to Fleming west side | .121 Acre | 16-C | 0 | $ 252.00 |
| 17 | Fleming - S. Ridgewood west to railroad tracks | .083 Acre | 16-C | 0 | $ 252.00 |
| 18 | Alcazar - At Arroyo SE corner | .049 Acre | 16-C | 0 | $ 252.00 |
| 19 | Hand Ave. - S. Ridgewood west to US1 | .17 Acre | 16-C | 0 | $ 252.00 |
| 20 | Hand Ave. - Lot behind duplex housing, mow area between wooded area on West side and duplex's back yards on east side. | .21 Acre | 16-C | 0 | $ 383.00 |

## MOWING - AREA 4

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | N. Yonge St. - Hernandez north to Sanchez | 4.866 Acre | 16-C | 0 | $ 3,668.00 |
| 2 | N. Ridgewood - Granada north to Domicilio Ave. | 2.267 Acre | 16-C | 0 | $ 2,156.00 |
| 3 | New Britain - Washington east to Beach St. | .054 Acre | 16-C | 0 | $ 252.00 |
| 4 | Lincoln - US1 east to Beach St. | .128 Acre | 16-C | 0 | $ 252.00 |
| 5 | Rosewood - Yonge east to Beach St. including Rosewood at Yonge bus stop | .07 Acre | 16-C | 0 | $ 252.00 |
| 6 | Kenilworth - US1 east to Beach St. cut back to red wall at NE corner of Kenilworth & Yonge | .151 Acre | 16-C | 0 | $ 252.00 |
| 7 | Wilmette - US1 east to Beach St. | .156 Acre | 16-C | 0 | $ 252.00 |
| 8 | Melrose - N. Ridgewood east to Beach St. including in front of 65 Melrose. | .091 Acre | 16-C | 0 | $ 252.00 |
| 9 | Greenwood - NW corner at N. Ridgewood | .043 Acre | 16-C | 0 | $ 252.00 |
| 10 | Warwick - East of 23 near Beach St. - SE at corner Yonge | .049 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 4 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 11 | Putnam - N. Ridgewood west. Also NW corner at Yonge to end of road | .14 Acre | 16-C | 0 | $ 252.00 |
| 12 | Cumberland - NW corner at Yonge then west of #140 and south sides / north side at bus stop near Beach St. | .061 Acre | 16-C | 0 | $ 252.00 |
| 13 | Sanchez - From Sanchez Park to Beach St., also west of 26 | .198 Acre | 16-C | 0 | $ 252.00 |
| 14 | Andrews - Sanchez south to Putnam and SW corner at Putnam using pole as guide to define ROW | .184 Acre | 16-C | 0 | $ 252.00 |
| 15 | Domicilio - Beach St. west to rock including easement behind rocks | 1.32 Acre | 16-C | 0 | $ 1,148.00 |
| 16 | Northbrook - between Parkside - Parkwood south side | .667 Acre | 16-C | 0 | $ 504.00 |
| 17 | Sycamore Cir. - West across from #10 east of #55 | .075 Acre | 16-C | 0 | $ 252.00 |
| 18 | Poplar Dr. - Across from 1502 north of 1515 and around Acacia, north of 1523 northside of Poplar Ct. between 1560-1564 | .099 Acre | 16-C | 0 | $ 252.00 |
| 19 | Box Elder - One section of ROW | .002 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 4 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 20 | Oak Forest - North of 1201, north-south of 1403 east of 1541 | 0.61 Acre | 16-C | 0 | $ 504.00 |
| 21 | N. Beach St. - From Rosewood to Inglesia | 1.21 Acre | 16-C | 0 | $ 1,148.00 |

## MOWING - AREA 5

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | Perrott Dr. - Granada south to Tomoka | .29 Acre | 16-C | 0 | $ 392.00 |
| 2 | Tomoka - From Perrot Dr. west to US1 | .04 Acre | 16-C | 0 | $ 252.00 |
| 3 | Midway - From US1 west to end | .022 Acre | 16-C | 0 | $ 252.00 |
| 4 | Madison - From US1 west to end | .061 Acre | 16-C | 0 | $ 252.00 |
| 5 | Jefferson - From US1 west to end | .054 Acre | 16-C | 0 | $ 252.00 |
| 6 | Oleander - From US1 west to end | .081 Acre | 16-C | 0 | $ 252.00 |
| 7 | Willow - From US1 west to end | .058 Acre | 16-C | 0 | $ 252.00 |
| 8 | Palm Place - From US1 west to end | .129 Acre | 16-C | 0 | $ 252.00 |
| 9 | Washington Place - From US1 west to end | .045 Acre | 16-C | 0 | $ 252.00 |
| 10 | Railroad St. - Water Plant south to Division | .121 Acre | 16-C | 0 | $ 252.00 |
| 11 | Division St. - From US1 west to Orchard | .026 Acre | 16-C | 0 | $ 252.00 |
| 12 | Coolidge - Division south to Hand | .37 Acre | 16-C | 0 | $ 392.00 |

## MOWING - AREA 5 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 13 | Andalusia - Division south to end, including crossing Hand | .282 Acre | 16-C | 0 | $ 392.00 |
| 14 | Parque - Division south to end, including crossing Hand | .309 Acre | 16-C | 0 | $ 392.00 |
| 15 | Center St. - From Hand south to City limit | .221 Acre | 16-C | 0 | $ 252.00 |
| 16 | Harbour Lights - Hand south to Fleming | .502 Acre | 16-C | 0 | $ 504.00 |
| 17 | Fleming - Charleston Square west to Nova | .69 Acre | 16-C | 0 | $ 504.00 |
| 18 | Aston Circle - Undeveloped ROWs | .112 Acre | 16-C | 0 | $ 252.00 |
| 19 | Park Ridge Subdivision (south of Central Park) - all undeveloped ROWs | .632 Acre | 16-C | 0 | $ 504.00 |
| 20 | Orchard - Hand Ave. north to Granada | .186 Acre | 16-C | 0 | $ 252.00 |
| 21 | Tomoka - From railroad tracks west to Granada | .783 Acre | 16-C | 0 | $ 504.00 |
| 22 | Mary St. & Malaga northeast corner | .183 Acre | 16-C | 0 | $ 252.00 |
| 23 | Sandy Oaks to 301 between 512 - 516, 519 - 523 | .05 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 5 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 24 | Hammock Lane - Orchard west to Old Kings Rd. including well field on south side | .576 Acre | 16-C | 0 | $ 504.00 |
| 25 | Hand Ave. - West of US1 to Nova Rd. including Woodgate Ct. | 1.04 Acre | 16-C | 0 | $ 1,008.00 |
| 26 | Old Tomoka - Off of West 40, both sides | .327 Acre | 16-C | 0 | $ 392.00 |
| 27 | Mayfield Terrace - East side only | .509 Acre | 16-C | 0 | $ 504.00 |
| 28 | Magnolia & Midway off of SR40 including ROWs on Magnolia | .118 Acre | 16-C | 0 | $ 252.00 |
| 29 | Old Kings Rd. - Nova south to Division | 1.479 Acre | 16-C | 0 | $ 1008.00 |
| 30 | Division - From Nova east to Center St. | 1.23 Acre | 16-C | 0 | $ 1008.00 |
| | SOUTH SIDE | | | | |
| 31 | Arroyo Parkway - 610 east to Center St. - 524 to Orchard - 426 to Santa Fe - 809 west to Nova Rd. | 0.165 Acre | 16-C | 0 | $ 252.00 |
| | NORTH SIDE | | | | |
| 32 | Arroyo Parkway - Center St. west to 603 | 0.064 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 5 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| | NORTH SIDE (CONTINUED) | | | | $ 252.00 |
| 33 | Tennessee Dr. | 0.038 Acre | 16-C | 0 | $ 252.00 |
| 34 | Santa Anna - 631 to 619 Arroyo Pkwy. (phone boxes) | 0.014 Acre | 16-C | 0 | $ 252.00 |
| 35 | Garden Lane (east side) 707 to 721 | 0.022 Acre | 16-C | 0 | $ 252.00 |
| 36 | Garden Lane (west side) to Calle Grande | 0.071 Acre | 16-C | 0 | $ 252.00 |
| 37 | Orchard Ave. (east side) 749 - 739 | 0.031 Acre | 16-C | 0 | $ 252.00 |
| 38 | Orchard Ave. (west side) Arroyo Pkwy. to 712 | 0.033 Acre | 16-C | 0 | $ 252.00 |
| 39 | Sante Fe (east side) Calle Grande to 764, 745 to 717, 718 to Arroyo Pkwy., 615 to dead end | 0.227 Acre | 16-C | 0 | $ 252.00 |
| 40 | Woodland Blvd. (south side) across the street | 0.017 Acre | 16-C | 0 | $ 252.00 |
| 41 | Woodland Blvd. (north side) entrance to #4, Sugarberry Cir. to #54 | 0.192 Acre | 16-C | 0 | $ 252.00 |
| 42 | Sandpiper Cir., Woodland Blvd. to #37 | 0.021 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 5 (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| | NORTH SIDE (CONTINUED) | | | | |
| 43 | Military Blvd. between Fernway Dr., Gallaten also southeast corner up to 1290 Fernway between 314 and 382 | 0.067 Acre | 16-C | 0 | $ 252.00 |
| 44 | Scottsdale, cul-de-sac between Military and woods | 0.096 Acre | 16-C | 0 | $ 252.00 |
| 45 | Moreland Blvd., Nova (west) to Forest Hills Blvd. | 0.289 Acre | 16-C | 0 | $ 252.00 |
| 46 | Forest Hills Blvd. vacant lot at Vanderbile (east side) near corner | 0.20 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 6A

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | Lincoln - Orchard east to US1 | .78 Acre | 16-C | 0 | $ 504.00 |
| 2 | Thompson Creek - Lincoln south to Granada | .166 Acre | 16-C | 0 | $ 252.00 |
| 3 | Ford St. - From Lincoln north to end | .059 Acre | 16-C | 0 | $ 252.00 |
| 4 | White St. - Lincoln south to Granada | .20 Acre | 16-C | 0 | $ 252.00 |
| 5 | Orchard - From Granada to Wasterwater Plant | .976 Acre | 16-C | 0 | $ 756.00 |
| 6 | Sterthaus - Orchard west to hospital area | 1.21 Acre | 16-C | 0 | $ 1,208.00 |
| 7 | Center St. - Sterthaus north to Wilmette | 2.27 Acre | 16-C | 0 | $ 1,712.00 |
| 8 | Wilmette - US1 to Willow Pond | .485 Acre | 16-C | 0 | $ 504.00 |
| 9 | Lakebridge - Wilmette south to Shadow Lake | .124 Acre | 16-C | 0 | $ 252.00 |
| 10 | Memorial Circle - West side up to hospital | .038 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 6A (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 11 | Tomoka Oaks (inside)<br>a. North of 35 N. St. Andrews<br>b. North of 61 N. St. Andrews<br>c. Across from 75 N. St. Andrews<br>d. Bay Hill - N. St. Andrews Corner<br>e. Across from Tomoka View & N. St. Andrews<br>f. Eagle Court - Across from #14<br>g. Sherwood Dr. off Eagle Dr. between #7 & #11 Riverbluff Dr., across from Lauren Court (west from 124 Riverbluff south around corner onto Lajolla Court and south of 124 on west side) | .319 Acre | 1<br>6-C | 0 | $ 252.00 |
| 12 | Hidden Hills at SR40 south to lift station | .448 Acre | 16-C | 0 | $ 504.00 |
| 13 | Old Tomoka from Hidden Hills to SR40 | .182 Acre | 16-C | 0 | $ 252.00 |
| 14 | Sandpiper Lane next #45 mailbox | .009 Acre | 16-C | 0 | $ 252.00 |
| 15 | Hidden Hills Dr. - All undeveloped areas of ROWs | .224 Acre | 16-C | 0 | $ 252.00 |
| 16 | Raintree Lane by #15 only | .01 Acre | 16-C | 0 | $ 252.00 |
| 17 | Spanish Oak Lane | .11 Acre | 16-C | 0 | $ 252.00 |
| 18 | Golden Oak Lane | .026 Acre | 16-C | 0 | $ 252.00 |
| 19 | Heritage Cir. - Undeveloped lots only | .337 Acre | 16-C | 0 | $ 252.00 |

## MOWING - AREA 6A (Continued)

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 20 | Sagebrush and South Forty Trail - SW corner and ROW going west on Sagebrush | .084 Acre | 16-C | 0 | $ 252.00 |
| 21 | Clyde Morris Blvd. - South Forty Trail south to the Falls - west side | .473 Acre | 16-C | 0 | $ 504.00 |

## MOWING - AREA 6B

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | Airport Rd. - Sides and medians from US1 to last median (Bear Creek) | 3.39 Acre | 16-C | 0 | $ 1,368.00 |
| 2 | Hull Rd. - US1 to inside complex where dirt road begins. | 2.01 Acre | 29-B | 0 | $ 2,352.00 |
| 3 | Airport Business Park , Sunshine Blvd., Aviator Way, Signal Ave., East & West Tower Circle | 11.39 Acre | 16-C | 0 | $ 4,596.00 |
| 4 | Airport - Mow all turf areas in airport around runways & fairways | 15.76 Acre | 16-C | 0 | $ 5,292.00 |
| 5 | Nova Rd. Landfill - Mow all turf | 24.1 Acre | 16-C | 0 | $ 8,100.00 |
| 6 | Airport Rd. west of Tymber Creek to Fire Station #94 | 8.65 Acre | 16-C | 0 | $ 4,120.00 |
| 7 | Pineland Trail from Ormond Green Blvd. to City limit sign | 7.73 Acre | 16-C | 0 | $ 3,220.00 |

## MOWING - AREA 7A

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | A1A North Sides - Granada north to Plaza Dr. | 3.02 Acre | 29-B | 0 | $ 5,095.00 |
| 2 | A1A South Sides - Granada south to City limit sign | 2.4 Acre | 39-A | 0 | $ 4,908.00 |
| 3 | US1 North - Granada to Melrose | .509 Acre | 16-C | 0 | $ 504.00 |
| 4 | US1 South - Sides Granada to City limits Arragon | 2.2 Acre | 16-C | 0 | $ 1,512.00 |

## MOWING - AREA 7B

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | Granada Blvd. - Orchard west to Nova | 0.35 Acre | 29-B | 0 | $ 912.00 |
| 2 | SR40 - West of Nova to I-95 overpass | 1.11 Acre | 16-C | 0 | $ 1,403.00 |
| 3 | South Nova Rd. - Granada south to Golf | 0.01 Acre | 29-B | 0 | $ 456.00 |
| 4 | North Nova Rd. - Granada north to US1 | 0.19 Acre | 29-B | 0 | $ 456.00 |

# Right-of-Way Mowing Services for State Roads

| ITEM # | SITE NAME | ACREAGE OR # OF MEDIANS | # OF MOWINGS - CLASS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | **U.S. 1 R.O.W.** - Start east side, North of Melrose Ave. to curve at I-95 interchange | 6.1 | 11-D | 0 | $ 1,536.00 |
| 2 | **U.S. 1 R.O.W.** - Start west side at I-95 interchange, to Wilmette Ave. | 6.2 | 11-D | 0 | $ 1,560.00 |
| 3 | **S. R. 40 R.O.W.** - West (N. & S. sides) from I-95 interchange to Buckskin Ln. | 12 | 11-D | 0 | $ 2,772.00 |

## CURB EDGING

| ITEM # | SITE NAME | MILES | # OF EDGINGS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | SR40 - Orchard west to Nova Rd. - Curbline for medians & sides of road | 4.6 | 3 | 0 | $ 456.00 |
| 2 | SR40 - Nova Rd. west to I-95 - Curbline for medians & sides of road | 7.1 | 3 | 0 | $ 708.00 |
| 3 | US1 - Dix south to City limits - sides of road curbline | 3.4 | 3 | 0 | $ 336.00 |
| 4 | A1A - Just north of Granada Blvd. south to City limits - Curbline for medians & sides of road - 5 miles | 5 | 3 | 0 | $ 504.00 |
| 5 | Vining Ct. & Coquina Ct. - Corner of Vining Ct. & Coquina down to Lucky Dr. - all curbs in that area | .2 | 3 | 0 | $ 74.00 |
| 6 | Thompson Creek - Lincoln south to Granada Blvd. - Curbline on sides of road | .1 | 3 | 0 | $ 59.00 |
| 7 | Old Kings Rd. - Granada Blvd. south to Division - Curbline on sides of road | 1.4 | 3 | 0 | $ 144.00 |
| 8 | Airport Business Park - Entire Park curbline on sides of road | 2.6 | 3 | 0 | $ 264.00 |

## GUARD RAILS

| ITEM # | SITE NAME | FEET | # OF APPLICATIONS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| | **D.O.T. US1 / SR40** | | | | $_____ |
| 1 | North of Melrose on east side | 309 | 3 | 0 | $ 72.00 |
| 2 | North of Melrose on east side | 150 | 3 | 0 | $ 36.00 |
| 3 | South side of bridge at Tomoka River | 385 | 3 | 0 | $ 96.00 |
| 4 | North side of bridge at Tomoka River | 795 | 3 | 0 | $ 192.00 |
| | **SR40** | | | | |
| 1 | Tomoka River Bridge - west past I-95 overpass, all 4 sides | 308 | 3 | 0 | $ 72.00 |
| 2 | West of Tymber Creek | 894 | 3 | 0 | $ 228.00 |
| 3 | West of Tymber Creek - south side only | 328 | 3 | 0 | $ 84.00 |
| | **IN CITY** | | | | |
| 1 | Hand Ave. - east of Nova Rd. on north side | 27 | 3 | 0 | $ 58.00 |
| 2 | Airport Rd.. - west of US1, north and south side | 283 | 3 | 0 | $ 72.00 |

## GUARD RAILS (Continued)

| ITEM # | SITE NAME | FEET | # OF APPLICATIONS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| | IN CITY (CONTINUED) | | | | |
| 3 | Sterthaus Dr. - west of Orchard - cement rail both sides | 20 | 3 | 0 | $ 58.00 |

## BLOWING ONLY

See Attached Central Park Trails Map

| ITEM # | SITE NAME | Feet | # OF BLOWINGS | # OF IRRIG. ZONES | TOTAL COST |
|---|---|---|---|---|---|
| 1 | Central Park – Division to Hammock Trails | 1,320 LF | 3 | 0 | $ 65.00 |
| 2 | Central Park – Division to Dead End Trail | 300 LF | 3 | 0 | $ 48.00 |
| 3 | Central Park – Hand & Division Parking Lots | 10,000 SF | 3 | 0 | $ 240.00 |
| 4 | Central Park – Hand to Division and Lime Rock Trail (3 segments) | 3,400 LF | 3 | 0 | $ 144.00 |

**Part 1 - Base Bid Schedule**

| Item No. | Description | Location | Unit | Total Estimated Price |
|---|---|---|---|---|
| 1. | Ground Maintenance & Mowing Services | Zone 1 | LS | $ 36,676.00 |
| | | Zone 2 | LS | $ 81,471.00 |
| | | Zone 3 | LS | $ 255,509.00 |
| | | Zone 4 | LS | $ 176,594.00 |
| 2. | Mowing & Maintenance Services | Area 1 | LS | $ 6,454.00 |
| | | Area 2 | LS | $ 3,556.00 |
| | | Area 3 | LS | $ 6,190.00 |
| | | Area 4 | LS | $ 12,908.00 |
| | | Area 5 | LS | $ 16,072.00 |
| | | Area 6A | LS | $ 9,220.00 |
| | | Area 6B | LS | $ 29,048.00 |
| | | Area 7A | LS | $ 12,019.00 |
| | | Area 7B | LS | $ 3,227.00 |
| 3. | Right of Way Mowing & Maintenance Services | State Roads | LS | $ 5,868.00 |
| 4. | Curb Edging | City Wide | LS | $ 2,545.00 |
| 5. | Guardrails | City Wide | LS | $ 968.00 |
| 6. | Blowing | Central Park | LS | $ 497.00 |
| 7. | Annuals (4" pots) Furnish, Delivered and Installed | City Wide (7,500 x 4 times) | LS | $ 41,400.00 |
| 8. | Mulch Top-Dressing City Wide Furnish, Delivered and Installed | 3,000 Cubic Yards Unit Price $ 35.00 | | $ 105,000.00 |
| 9. | Playground Safe Mulch Furnish, Delivered and Installed | 300 Cubic Yards Unit Price $ 40.00 CY | | $ 12,000.00 |
| 10. | Balanced Fertilizer Trees, Shrubs and Groundcover Furnish, Delivered and Installed | 80,000 lbs Unit Price $ .61 lbs | | $ 48,800.00 |
| **TOTAL PART 1 (BASE BID)** | | | | $ 866,022.00 (Figures) |

Eight hundred sixty-six thousand, twenty-two dollars and zero cents
(Words)

**Part 2 – Additive Alternate – Amount to be added to the total Base Bid .**

| Item No. | Description | Location | Quant. | Unit Price | Total Estimated Price |
|---|---|---|---|---|---|
| 1A. | Date Palm Pruning - Spring (Remove dead fronds & seed pods) | City Wide | 220 | $15.00 EA | $ 3,300.00 |
| 2A. | Date Palm Pruning - Fall (Remove dead fronds & seed pods) | City Wide | 220 | $15.00 EA | $ 3,300.00 |
| 3A. | Mexican Fan Palm Pruning (Remove dead fronds & seed pods) | City Wide | 80 | $20.00 EA | $ 1,600.00 |
| 4A. | Cabbage Palm Pruning (Remove dead fronds & seed pods) | City Wide | 500 | $15.00 EA | $ 7,500.00 |
| 5A. | Monthly Irrigation Zone Testing (Monthly Wet Testing and Adjustments) | City Wide 7,380 zones per year | 615 x 12 months 7,380 | $10.00 EA | $ 73,800.00 |
| 6A. | Irrigation Repairs - Labor (Beginning at Point of Connection to Nozzles including Controller) | City Wide | 4,000hrs | $30.00 Hr. | $ 120,000.00 |
| 7A. | Irrigation Repairs - Materials (Beginning at Point of Connection to Nozzles including Controller) | City Wide | $15,000 X 12.5 % | | $ 1,875.00 |

# CITY OF ORMOND BEACH, FLORIDA

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

[X] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

[ ] The undersigned firm has had no litigation on any project in the last five (5) years.

[X] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Austin Outdoor, LLC
COMPANY NAME

AUTHORIZED SIGNATURE

William M Dellecker
NAME (PRINT OR TYPE)

President
TITLE

4/23/2012
DATE

# *Litigation Information*

| | | | | |
|---|---|---|---|---|
| Austin Outdoor, LLC v. Bella Harbor, LLC and VCI Construction, LLC | 2008-CA-000970 Flagler County, FL Circuit Court | Austin had a subcontract with VCI Construction to provide landscaping under a contract between VCI and Bella Harbor, owner of the condominium project. VCI and Bella Harbor have common ownership. Austin has not been paid $119,297.80 of the contract amount. Austin has filed suit to foreclose its construction lien. | $ 119,297.80 | Chiumento & Guntharp, P.A. |

# CITY OF ORMOND BEACH, FLORIDA

## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Austin Outdoor
Company Name

Authorized Signature

William M Dellecker
Print Name

President
Title

## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS:** Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

7) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

8) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.

9) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

10) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.

11) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

12) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Austin Outdoor
Company Name

Authorized Signature

William M Dellecker
Print Name

President
Title

## LOCAL VENDOR PREFERENCE

The following is taken from the Code of Ordinances, City of Ormond Beach, Chapter 2, Financial Matters, Division 3, Purchasing, Article IX, Section 2-304:

Except where otherwise provided by federal or state law or other funding source restrictions, purchases of goods and services under the Purchasing Code shall give preference to local businesses as follows:

(a) Under a competitive bid solicitation, the City *may* give a local preference in the amount of three percent (3%) of the bid price or $25,000, whichever is less. The bid price shall include not only the base bid price but all alternatives which are part of the bid and actually purchased or awarded.

(b) A *local business* shall mean a vendor that has a valid occupational license issued by the City of Ormond Beach at least one year prior to bid opening, with a physical business address located within the municipal boundaries of the City of Ormond Beach from which the vendor operates or performs business on a day-to-day basis that is a substantial component of the goods or services being offered and has provided a Local Vendor Affidavit of Eligibility at the time the bid is submitted.

(c) A *Local Vendor Affidavit of Eligibility* shall accompany the bid submittal to be considered valid and shall include, but not be limited to, the following information:

(1) A physical business and location address;
(2) A copy of current City of Ormond Beach Local Business Tax Receipt (occupational license) to verify the business location;
(3) Proof of payment of business tax and real property tax due to the City of Ormond Beach;
(4) A copy of the firm's most recent annual corporation report to the Florida Division of Corporations;
(5) Any additional information necessary to verify local status.

(d) *Exemptions:* Goods or services provided under a cooperative purchasing agreement, contracts for professional services subject to Consultants' Competitive Negotiation Act, purchases or contracts funded in whole or part by a governmental entity that does not allow local preferences, purchases made under another agency's agreements or contracts (piggybacking), purchases under emergency or sole source situations and procurements subject to formal proposals including but not limited to request for proposals (RFP) or continuing contract, and request for quotes (RFQ) versus straight competitive bids.

(e) This section shall not be deemed to require the granting of a local preference, and nothing herein prohibits the award of a contract to a non-local vendor where such award is in the public interest.

## Local Vendor Affidavit of Eligibility

I certify that my company meets all of the following qualifications to be eligible for the local vendor preference:

a. My company has a physical business address located within the municipal boundaries of the City of Ormond Beach which is used to perform business on a day-to-day basis.
b. My company holds any business (occupational) or contractor license required by the City of Ormond Beach at least one year prior to bid opening.
c. Payment of business tax and real property tax due to the City of Ormond Beach is current
d. My company is in compliance with annual reporting to the Florida Division of Corporations

Company Name:_____

Address: _____

Business or Contractor License Number: _____

Phone Number: _____Fax Number: _____

Owner's Name: _____Signature: _____

Sworn to before me this _____day of _____

Notary Public for the State of _____My Commission Expires _____

Notary Public Signature: _____ Printed Name: _____

**To be approved as a local bidder and receive bid preference on an <u>eligible</u> local project, this affidavit of eligibility, a copy of your local business or contractor license, copy of business tax/real property tax and a copy of the firm's most recent annual corporation report <u>must be submitted with your bonafide BID package</u>. Bid preference is provided at the City's sole discretion.**

**VENDOR DO NOT COMPLETE BELOW**

To be verified and completed by an authorized representative of the City of Ormond Beach's Purchasing Department:

Vendor Certified by:_____Date: _____
(Authorized Signature)

Insurance Requirements

[From Ormond Beach Code of Ordinances establishing minimum requirements for risk management, commercial general liability insurance, and comprehensive general liability insurance, as amended by Resolution No. 2011-116 (8/16/11)]:

**B. Contractual Provisions Relative to Risk Management**

All contracts for any public works to be performed, and service-related contracts, for or on behalf of the City shall include the following, or substantially similar, provisions:

**1. Hold Harmless**

**(a) General**

The City, its agents, employees, and officials, both elected and appointed, shall be held harmless from and against all claims for bodily injury, sickness, disease, death or personal injury or damage to property or loss of use resulting therefrom, arising out of the agreement, contract or lease unless such claims are a result of the City's sole negligence, as determined by the final arbiter of such claim.

**(b) Professional Services Contracts**

The City, its agents, employees, and officials, both elected and appointed shall be held harmless from and against all claims for bodily injury, sickness, disease, death or personal injury or damage to property or loss of use resulting therefrom arising out of performance of the agreement or contract, unless such claims are a result of the City's sole negligence, as determined by the final arbiter of such claim.

The City, its agents, employees, and officials, both elected and appointed shall also be held harmless from and against all claims for financial loss with respect to the provision of or failure to provide professional or other services resulting in professional, malpractice, or errors and omissions liability arising out of performance of the agreement or contract, unless such claims are a result of the City's sole negligence, as determined by the final arbiter of such claim.

**2. Payment on Behalf of City**

The Contractor shall pay all costs of the City's legal defense, as may be selected by the City, for all claims described in the Hold Harmless paragraph.

Such payment on behalf of the City shall be in addition to any and all other legal remedies available to the City and shall not be considered to be the City's exclusive remedy.

**3. Loss Control/Safety**

Precaution shall be exercised at all times by the Contractor for the protection of all persons, including employees and property. The Contractor shall comply with all applicable laws, regulations and ordinances related to safety and health, shall make special efforts to detect hazardous conditions, and shall take prompt action when loss control/safety measures are reasonably necessary.

The City may order work to be stopped if conditions exist that present an immediate danger to persons or property. The Contractor acknowledges that such work stoppage will not shift responsibility for any damages from the Contractor to the City.

4. **Service Bond**
For Service-related contracts only, the City may require the Contractor to secure a service bond with a minimum $25,000 coverage limit for the period of the service agreement. The service bond covers dishonest acts of the contractor's employees against the City. A copy of the bond shall be provided to the City when the agreement commences.

Service-related contracts include and are not limited to businesses providing janitorial, pest control, general repair, security, carpet cleaning, locksmith, temporary employment, painting, moving services or other contracts as determined in the discretion of the Risk Manager as necessary to minimize loss.

C. **Contractor's Insurance**

1. **General**
The Contractor, including service-related contractors, shall purchase and maintain for the entire life of the Project, including any and all approved time extensions, until its final acceptance by the City, such insurance as will protect the Contractor from claims under Workers' Compensation, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees; from claims insured by usual or unusual injury liability coverage; from claims or injury to or destruction of tangible property and from claims insured by usual Commercial General Liability coverage. This includes loss of use resulting therefrom, any or all of which may arise out of the Contractor's operations under the Contract Documents, whether such operations be by the Contractor, by any Subcontractor, or by anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. The Contractor's deductibles/self-insured retentions shall be disclosed to the City and may be disapproved by the City, and may be reduced or eliminated at the sole discretion of the City. The Contractor is responsible for the amount of any deductible or self-insured retention.

2. **Types of Insurance and Limits of Liability**
The insurance required herein shall be written for not less than any limits of liability specified and incorporated as part of the Contract Documents or as required by law, whichever is greater, and shall include the following:

(a) Workers' Compensation Insurance in statutory limits for the State of Florida with Coverage B - Employer's Liability limits of not less than:

$100,000. Each Accident Bodily Injury by Accident
$100,000. Each Employee Bodily Injury by Disease
$500,000. Policy Limit Bodily Injury by Disease

Certificate of Exemptions. If the contractor has a State-issued Certificate of Exemption, the contractor may provide a copy in place of the requirement for coverage. However, if the contractor subcontracts or retains any other person or entity to perform under the contract, that person or entity must provide proof of workers' compensation insurance as required by law or provide a Certificate of Exemption.

It is the intent of the City that any individual who either contracts directly with the city or performs any work on behalf of any such contractor be covered by workers compensation insurance or have a valid exemption from said coverage.

(If applicable to the Project, the policy must include benefits under the United States Longshoremen's and Harbor Workers' Act and the Jones Act coverage--all maritime coverage.)

(b) Commercial General Liability Insurance shall be written on a coverage form as broad as Insurance Services Office (ISO) Form CG 00 01 11 88, or its successor form, including but not limited to the following coverage (any deviation shall be noted on the Certificates of Insurance):

a. Premises and Operations
b. Owners' & Contractors' Protective
c. Products & Completed Operation
d. Explosion, Collapse & Underground Conditions
e. Blanket Contractual Liability
f. Personal Injury Liability
g. Broad Form Property Damage Endorsement, including Completed Operations
h. Independent Contractors
i. Watercraft--Owned and Non-Owned (if applicable, endorsement must be included in General Liability policy or a separate Protection & Indemnity Policy must be written)
j. Pollution Liability (if applicable)
k. Asbestos Abatement (if applicable)
l. Fire Damage Liability

Certain coverage outlined above may not be required if they do not relate to the Project, as may be determined at the sole discretion of the City.

Commercial General Liability Coverage shall be written on an occurrence basis and the limits shall be no less than the following amounts for all tiers of Contractors and Subcontractors:

| Contract Value | Limits (not less than) |
|---|---|
| 0 - $25,000 | $300,000 Each Occurrence<br>$300,000 General Aggregate* |

| | |
|---|---|
| | $300,000 Aggregate Products & Completed Operations<br>$ 25,000 Fire Damage (any one fire) |
| $25,001 - $250,000 | $500,000 Each Occurrence<br>$1 Million General Aggregate*<br>$1 Million Aggregate Products & Completed Operations<br>$ 50,000 Fire Damage (any one fire) |
| $250,001 - $3,000,000 | $1 Million Each Occurrence<br>$1 Million General Aggregate*<br>$1 Million Aggregate Products & Completed Operations<br>$ 50,000 Fire Damage (any one fire) |
| $3,000,001 & over | 20% of the Value of the Contract [Minimum $1 Million Each Occurrence/$2 Million General Aggregate] |

* NOTE: Commercial General Liability Coverage must be purchased on either a project basis (separate policy per contract) or an endorsement allocating an aggregate limit per location or specified project.

(c) Automobile Liability Insurance for the operation, use, maintenance, loading or unloading of automobiles - ISO Symbol 1 (Any Auto) or alternatively a combination of Symbol 2 (Owned Autos), Symbol 8 (Hired Autos), and Symbol 9 (Non-Owned Autos).

| Contract Value | Limits (not less than) |
|---|---|
| 0 - $25,000 | $300,000 Combined Single Limit |
| $25,001 - $250,000 | $500,000 Combined Single Limit |
| $250,001 and over | $1 Million Combined Single Limit |

(d) Excess Liability

For Contracts of $250,000 or more, and in addition to the scheduled underlying policies for Commercial General Liability, Automobile Liability and Employers' Liability, the Contractor shall also provide an Excess Liability Policy with a maximum self-insured retention for occurrences insured in this Excess Policy not to exceed $25,000 and a minimum limit of $1 Million.

(e) Professional Liability, Malpractice and/or Errors and Omissions

The Contractor shall purchase and maintain professional liability, malpractice, or errors or omissions insurance with minimum limits of $1,000,000 per occurrence. If a claims made form of coverage is provided, the retroactive date of coverage shall be no later than the inception date of claims made coverage, unless the prior policy was extended indefinitely to cover prior acts. Coverage shall be extended beyond the policy year either by a supplemental extended reporting period (ERP) of as great a duration as is available, and with no less coverage and with reinstated aggregate limits, or by requiring that any new policy provides a retroactive date no later than the inception date of claims made coverage.

**D. Requirements for Certificates of Insurance**

1. With the execution of the Contract Documents, the Contractor, including service-related contractors, shall provide certificates of such insurance acceptable to the City. These certificates and insurance policies shall contain an endorsement that the coverage under the policies will not be canceled, non-renewed or materially changed until at least thirty (30) days' prior written notice of such cancellation, non-renewal or change (except for nonpayment of premium, which shall be ten (10) days) and a copy of the cancellation endorsement signed by an authorized representative of the insurer, be given to the City. The contractor shall be required to replace any expired or canceled policies in like amount and coverage to the satisfaction of the City. The Certificate of Insurance shall be the ACORD FORM 25-S (7/90), or its successor form, and shall be made a part of the Contract Documents.

2. New certificates of insurance shall be provided to the City at least fifteen (15) days prior to coverage renewals.

3. If requested by the City, the contractor shall immediately furnish complete copies of the Contractor's insurance policies, forms and endorsements.

4. For Commercial General Liability coverage the Contractor shall, at the option of the City, provide an indication of the amount of claims payments or reserves chargeable to the aggregate amount of liability coverage. If the Commercial General Liability form of coverage includes an annual aggregate limitation on the amount of insurance provided, a separate project aggregate limit may be required by the City for the given contract.

5. If the Contractor fails to obtain and maintain for the life of the Project the insurance required hereby or to replace any such expired or canceled policy, the City may obtain and maintain such insurance with such company as it deems satisfactory. Any amounts expended by the City in payment of premiums for such insurance shall be deducted by the City form the amount due the Contractor for the work covered by the Contract.

E. **Policies of Insurance**

1. Except as otherwise provided in this Exhibit, all insurance policies shall be issued by insurers licensed to do business in the State of Florida on an admitted basis or which is an eligible surplus lines insurer in the State of Florida, and any such insuring company is required to have a minimum financial rating of (A-), in the latest edition of "Best's Key Rating Guide", published by A. M. Best Co., Inc., or some similarly nationally recognized rating authority, including Standard and Poors and Demotech.

2. For Workers' Compensation coverage only, self-insurance programs are acceptable with a minimum A- rated reinsurance carriers; written confirmation is required.

3. All policies of insurance or certificates thereof referred to in this Exhibit shall be deposited with the City Clerk.

4. The City shall be named an Additional Insured on General Liability and Automobile Liability policies of insurance and certificates thereof.

## VIII. TERMS AND CONDITIONS

A. The City of Ormond Beach reserves the right without prejudice to reject any or all proposals, to request clarification of information submitted, and to request additional information of one or more proposers.

B. The City reserves the right to award the contract to the next most qualified firm if the successful firm fails to execute a contract within two weeks after the award of the contract by the City Commission.

C. In accordance with federal, State, and local regulations, the firm shall not discriminate under the contract against any person.

D. The firm shall not assign or transfer any interest in the contract without prior approval of the City Commission.

E. The City reserves the right to terminate the contract at any time.

F. Submission of a proposal indicates acceptance by the firm of the conditions contained in this Request for Proposals unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the City of Ormond Beach and the firm selected.

G. Submittals should include a copy of firm's insurance certificate, Conflict, Non-Conflict of Interest Statement/Litigation Statement, and Drug Free Workplace Certificate.

# City of Ormond Beach

## REGISTRATION REQUIREMENTS FOR VENDOR/CONTRACTOR WORKING ON CITY PROJECTS

### Registration Requirements

VENDOR'S doing business within the City Limits must be registered with the City. Requirements for registering a business are as follows:

Copy of City Business Tax Receipt (where your business is located).
Certificate of Insurance showing General Liability and Workers' Comp (or State Workers' Comp Exemption form).
Application Fee: $25.00 For more information, contact the City's Business Tax Receipt official.

### State Certified/Registered Contractors

All registered contractors must be registered with Volusia County. Volusia County Contractor Licensing, 123 W. Indiana Ave., Rm 203, Deland, Fl. 32720 (386) 736-5957 Opt. 2 –(386) 740-5215 Fax. Certified Contractors have the option of registering with Volusia County, or providing information directly to the business tax receipt official.

If you have any questions regarding the above requirements, please contact the business tax receipt official at (386) 676-3234.

**END OF BID**

**Amendment to Contract**
**No. 1-2015**

CONTRACT: Grounds Maintenance Services

Date Issued: October 1, 2012

CITY OF ORMOND BEACH
22 South Beach St
Ormond Beach, FL 32174

CONTRACTOR
Austin Outdoor, LLC
PO Box 849
Bunnell, FL 32110

You are directed to make the following changes to the Contract Documents:

Increase ____ the Contract Price from $ 1,225,693.66 to $ 1,262,340.66

Original Contract Price: $1,092,387.00

Adjustments prior to this amendment: $133,306.66

Purpose of Amendment Additional staff-approved grounds maintenance sites and services as follows:

| | |
|---|---|
| Red Maple ROW | $ 456.00 |
| Hull Road ROW | $ 252.00 |
| Clyde Morris Median, ROW | $ 1,068.00 |
| Plaza Grande Median | $ 1,649.00 |
| Magic Forest Playground – ADA mulch | $ 7,200.00 |
| Granada Medians I-95 West | |
| Mowing | $14,676.00 |
| Detailing | $ 3,612.00 |
| Additional Services – Reclinata pruning | $ 6,252.00 |
| Cardinal Beach Approach – landscape detail | $ 1,482.00 |
| Total Amendment to Contract | **$36,647.00** |

Contract Price with all adjustments: $1,262,340.66

CITY OF ORMOND BEACH

RECOMMENDED:
By: _____
Robert Carolin
Leisure Services Director

APPROVED:
_____
Ed Kelley
Mayor

ATTEST: _____
Joyce A. Shanahan
City Manager

APPROVED:
_____
Austin Outdoors, LLC

President
Title

William M. Dellecker
Printed Name

## AMENDMENT TO AGREEMENT

THIS AMENDMENT TO AGREEMENT FOR GROUNDS MAINTENANCE SERVICES is made and entered into by and between the **City of Ormond Beach, Florida** (hereinafter referred to as "City"), and **Austin Outdoor, LLC d/b/a Yellowstone Landscape**, (hereinafter referred to as "Contractor") for the purposes stated herein, as follows:

WHEREAS, the City and Austin Outdoor, LLC are parties to an Agreement for grounds maintenance services having an effective date of October 1, 2012, and

WHEREAS, the City and Austin Outdoor, LLC desire to amend the subject Agreement for the limited purpose of acknowledging the new corporate name under which the Contractor will provide grounds maintenance services for the City; now therefore,

1. The introductory paragraph of that certain Agreement between the City and Austin Outdoor, LLC is hereby amended to read as follows:

**THIS AGREEMENT** is made and entered into by and between the **City of Ormond Beach** ("City"), a Florida municipal corporation, 22 South Beach Street, Ormond Beach, Volusia County, Florida and **Austin Outdoor, LLC d/b/a Yellowstone Landscape**, 3235 North State Street, Bunnell, FL 32110 ("Contractor"), and in consideration of the mutual promises and covenants herein contained, the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree to the following:

2. All other terms and conditions of the subject Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this amendment to be executed by the undersigned officials as of the date listed below.

**DATED:** Nov. 17, 2015.

**CITY OF ORMOND BEACH, FLORIDA**

BY: Ed Kelley
Ed Kelley, Mayor

ATTEST: Joyce Shanahan
Joyce A. Shanahan, City Manager

**DATED:** _____, 2015.

**AUSTIN OUTDOOR, LLC**
**d/b/a YELLOWSTONE LANDSCAPE**

BY: _____
Name: William M. Gallagher
Title: Exec VP

**ATTEST:** _____
Name: _____
Title: _____

**Amendment to Contract**
**No. 1-2016**

CONTRACT: Grounds Maintenance Services

Date Issued: October 1, 2012

CITY OF ORMOND BEACH
22 South Beach St
Ormond Beach, FL 32174

CONTRACTOR
Yellowstone Landscape
PO Box 846
Bunnell, FL 32110

You are directed to make the following changes to the Contract Documents:

Increase the Contract Price from $ 1,287,678.00 to $ 1,426,733.20

Original Contract Price: $1,092,387.00

Adjustments prior to this amendment: $ 195,291.00

Purpose of Amendment Additional staff-approved grounds maintenance sites and services as follows:

| | |
|---|---|
| Water Dept. Well Site Maintenance | $ 6,930.00 |
| Wilmette Ave. Tree Maint. (44 new trees) | $ 1,360.00 |
| Nova Community Park Sidewalks (Edge, Blow) | $ 1,404.00 |
| Airport Runways/Taxiways Herbicide May/Oct. | $ 13,280.00 |
| I-95 & US1 Interchange & Medians from Wilmette to 2nd Traffic Light North of I-95 | $ 59,950.00 |
| Granada Medians I-95 West (Mow, Detail, Mulch) | $ 13,872.00 |
| 140 Downtown Medjools 2016 – 2 Prunings/year | $ 11,900.00 |
| I95 Interchange Annuals – Quarterly Rotation | $ 4,471.20 |
| Nova Skate Park 60yds ADA Mulch Annually | $ 2,400.00 |
| Marvin Cemetery Increase Service Level to 29B from 16C | $ 312.00 |
| Environmental Discovery Center Grounds Maintenance | $ 23,176.00 |
| Total Amendment to Contract | $139,055.20 |

Contract Price with all adjustments: $1,426,733.20

CITY OF ORMOND BEACH

RECOMMENDED:
By: Robert Carolin
Robert Carolin
Leisure Services Director

APPROVED:
Ed Kelley
Ed Kelley
Mayor

APPROVED:
Yellowstone Landscape

ATTEST: Joyce Shanahan
Joyce A. Shanahan
City Manager

Executive V.P.
Title

William M. DeHeeden
Printed Name

**Amendment to Contract**
**No. 1-2017**

CONTRACT: Grounds Maintenance Services

Date Issued: October 1, 2012

CITY OF ORMOND BEACH
22 South Beach St
Ormond Beach, FL 32174

CONTRACTOR
Yellowstone Landscape
PO Box 846
Bunnell, FL 32110

You are directed to make the following changes to the Contract Documents:

Increase the Contract Price from $ 1,441,000.53 to $ 1,450,096.03

Original Contract Price: $1,092,387.00

Adjustments prior to this amendment: $ 348,613.53

Purpose of Amendment Additional staff-approved grounds maintenance sites and services as follows:

| | |
|---|---|
| Renovated Hospital Gardens increase service levels to 29B from 16C | $ 931.50 |
| Lincoln Parking Lot | $ 1,885.00 |
| Lincoln Park | $ 4,524.00 |
| Water Dept. Oak Forest Lift Station | $ 1,131.00 |
| Hernandez ROW outfall extension | $ 624.00 |
| Total Amendment to Contract | $ 9,095.50 |

Contract Price with all adjustments: $1,450,096.03

CITY OF ORMOND BEACH

RECOMMENDED:

By: _____
Robert Carolin
Leisure Services Director

APPROVED:

_____
Bill Partington
Mayor

ATTEST: _____
Joyce A. Shanahan
City Manager

APPROVED:

_____
Yellowstone Landscape

VICE PRESIDENT
Title

AL LALONDE
Printed Name

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 4/1/2026 — 3/25/2025

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

| | |
|---|---|
| **PRODUCER** Lockton Companies, LLC<br>DBA Lockton Insurance Brokers, LLC in CA<br>CA license #0F15767<br>3280 Peachtree Rd. NE, Ste. 1000<br>Atlanta GA 30305<br>(404) 460-3600 | **CONTACT NAME:**<br>**PHONE (A/C, No, Ext):** **FAX (A/C, No):**<br>**E-MAIL ADDRESS:** |
| **INSURED** 1472881<br>Yellowstone Landscape, Inc. and all Subsidiaries<br>See Attached List<br>3235 N State Street<br>P.O. Box 849<br>Bunnell FL 32110 | **INSURER(S) AFFORDING COVERAGE** — **NAIC #**<br>**INSURER A :** Safety National Casualty Corporation — 15105<br>**INSURER B :** ACE Property and Casualty Insurance Company — 20699<br>**INSURER C :**<br>**INSURER D :**<br>**INSURER E :**<br>**INSURER F :** |

**COVERAGES** **CERTIFICATE NUMBER:** 19525393 **REVISION NUMBER:** XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X **COMMERCIAL GENERAL LIABILITY**<br>CLAIMS-MADE [X] OCCUR<br>X Pesticide&Herbicide<br>X SIR $250,000<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>POLICY [X] PRO-JECT [X] LOC<br>OTHER: | N | N | GL6676218 | 4/1/2025 | 4/1/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 2,000,000<br>$ 300,000<br>$ 10,000<br>$ 2,000,000<br>$ 4,000,000<br>$ 4,000,000 |
| A<br>A | **AUTOMOBILE LIABILITY**<br>X ANY AUTO<br>OWNED AUTOS ONLY / SCHEDULED AUTOS<br>X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY | N | N | CA6676217<br>XEL4069294 - $1M x $1M | 4/1/2025<br>4/1/2025 | 4/1/2026<br>4/1/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident) | $ 2,000,000<br>$ XXXXXXX<br>$ XXXXXXX<br>$ XXXXXXX |
| B | X **UMBRELLA LIAB** X OCCUR<br>**EXCESS LIAB** CLAIMS-MADE<br>DED RETENTION $ | N | N | XEUG72569647 004 | 4/1/2025 | 4/1/2026 | EACH OCCURRENCE<br>AGGREGATE<br>SIR | $ 10,000,000<br>$ 10,000,000<br>$ 25,000 |
| A | **WORKERS COMPENSATION AND EMPLOYERS' LIABILITY**<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N<br>**(Mandatory in NH)**<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N / A | N | LDS4066360 | 4/1/2025 | 4/1/2026 | X PER STATUTE / OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | <br>$ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

**CERTIFICATE HOLDER**

**19525393**
City of Ormond Beach
399 North US 1
Ormond Beach FL 32174

**CANCELLATION** See Attachments

**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.**

**AUTHORIZED REPRESENTATIVE**



**© 1988-2015 ACORD CORPORATION. All rights reserved.**

## Policy Forms

## General Liability

1. CG 20 10 12 19 Additional Insured - Owners, Lessees or Contractors - Ongoing Operations
2. CG 20 37 12 19 Additional Insured - Owners, Lessees or Contractors - Completed Operations
3. CG 20 28 12 19 Additional Insured - Lessors of Leased Equipment
4. CG 20 07 12 19 Additional Insured - Engineers, Architects or Surveyors
5. CG 24 04 12 19 Waiver of Subrogation
6. CG 20 01 12 19 Primary and Non-Contributory Coverage
7. SNGL 047 0514 Earlier Notice of Cancellation Provided to Third Parties

# List of Named Insureds

Yellowstone Parent, L.P
Elk Intermediate Company I, Inc.
Elk Intermediate Company II, Inc.
Elk Buyer, Inc.
YLG Holdings, Inc.
Yellowstone Intermediate Holdings, Inc.
Yellowstone Landscape, Inc.
Yellowstone Landscape – Southeast, LLC
ALSW, LLC
Leaderscape – Palm Beach, LLC
Florida Landscape Consultants, LLC
Southeast Landscape Management Company, LLC
YLA - Midwest, LLC
Crawford Landscaping Group, LLC
Acres Maintenance, LLC
Hayden Landscaping & Maintenance, LLC
Green-Up Landscape, LLC
Acres Enterprises, LLC
Yellowstone Landscape - Central, Inc
BLSW LLC
YLCSW, LLC
Texas Services, LLC
Native Land Design, LLC
Landscape USA- Austin, LLC
Ecoscape Solutions Group LLC
ELSW, LLC
Heads Up Landscape Contractors, LLC
Yellowstone Landscape West, LLC
SLM Holdings , LLC
Somerset Landscape LLC
Park Landscape LLC
Greener Pastures Landscaping LLC
Premier Sports Fields, LLC
Duke's Grounds Maintenance, LLC
Landscape Management Professionals, LLC
RKLT Properties, LLC
Arizona's Best Landscape Management
Bloom Floralscapes, LLC
KCS Landscape Management, LLC
Premier Sports Fields, LLC
Moore Landscapes, LLC
O'Donnell's Landscape Service, LLC
Gleason Johndrow Landscaping, LLC
Davis Landscape Company LLC

Townscapes, LLC
Green Pastures Landscape Company, LLC
Northwest Landscaping, LLC
Greenery NYC, Inc
Elegant Lawn Care, LLC
Rainmaker Irrigation & Landscaping, LLC
Boren's Grass Groomers, LLC
Frank Carson Landscape & Maintenance, LLC
Green Earth Inc. (effective 5/1)

## HUMAN TRAFFICKING AFFIDAVIT
## (SECTION 787.06, FLORIDA STATUTES)

STATE OF FLORIDA §
§
COUNTY OF VOLUSIA §

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), after being duly sworn, hereby attests as follows:

1. My name is Brian Weatherby. I am over the age of Twenty-one years old. I am the Branch Manager (Title) of Yellowstone Landscape (Business Name), a non- governmental entity which does business in the State of Florida, hereinafter called the "Entity."
2. I have personal knowledge of each and every statement of fact contained herein, and each and every statement of fact is true and correct.
3. Entity does not use coercion, as defined in Section 787.06, Florida Statutes, for labor or services.
4. The undersigned is an officer or representative of the entity and is authorized to execute this affidavit on behalf of the Entity.
5. Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated herein are true.

Further Affiant sayeth not.

Date: June 06, 2025

Signed: _____
Print Name: Brian Weatherby
Title: Branch Manager

SUBSCRIBED AND SWORN before me by means of [X] physical presence or [_] online notarization on the 9 day of June, 2025 by Brian Weatherby as branch manager on behalf of Yellowstone Landscape who is personally known to me or who has produced _____ as identification.

(Notary Seal)

XIOMELI CORDERO
Notary Public, State Of Florida
Commission No. HH 293403
My Commission Expires: 7/26/2026

Notary Public, State of Xiomeli Cordero EXP 7/26/2026
*Printed name, commission and expiration of commission term*

***This document must be completed and returned with your Submittal***

# AFFIDAVIT OF COMPLIANCE WITH SECTION 287.138, FLORIDA STATUTES CONTRACTING WITH FOREIGN ENTITIES OF CONCERN

The undersigned ("Affiant"), on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

1. Affiant is the Branch Manager (Title) of Yellowstone Landscape (Business Name) which does business in the State of Florida, hereinafter called the "Entity".
2. Entity is not owned by the government of a foreign country of concern, as defined in Section 287.138 (1) (c), Florida Statutes.
3. The government of a foreign country of concern does not have a controlling interest in Entity, as defined in Section 287.138 (1)(a), Florida Statutes.
4. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
5. Entity is not owned or controlled by the government of a foreign country of concern.
6. For purposes of this affidavit, a foreign country of concern means the People's Republic of China, the Russian Federation, the Islamic Republic of Iran, the Democratic People's Republic of Korea, the Republic of Cuba, the Venezuelan regime of Nicolas Maduro, or the Syrian Arab Republic, including any agency of or any other entity of significant control of such foreign country of concern, as defined in Section 287.138(1)(c), Florida Statutes.

The undersigned is authorized to execute this affidavit on behalf of the Entity.

Date: June 06, 2025 Signed: _____

Entity: Yellowstone Landscape Name: Brian Weathby

Title: Branch Manager

STATE OF: Florida COUNTY OF: Volusia

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization, this 9 day of June, 2025, by Brian Weathby and who: ☒ is personally known to me; or ☐ has produced _____ as identification.

Xiomeli Cordero

Notary Public, State of Florida at Large: (seal)

*Printed Name/Seal of Notary, Commission and Expiration Date:*

My commission expires: 7/26/2026

XIOMELI CORDERO
Notary Public, State Of Florida
Commission No. HH 293403
My Commission Expires: 7/26/2026

***This document must be completed and returned with your Submittal***

# City of Ormond Beach
# Request for Proposals (RFP)
# CITY OF ORMOND BEACH, FLORIDA
## DRUG-FREE WORKPLACE CERTIFICATION

**IDENTICAL OR "TIE" SUBMITTALS**: Preference shall be given to businesses with drug-free workplace programs. Whenever two or more proposals which are equal in respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violation.
3) Give each employee that engages in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5 ) calendar days after such conviction.
5) Impose sanctions on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

Yellowstone Landscape

Company Name

Authorized Signature

Brian Weatherby

Print Name

Branch Manager

Title

***THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***

# City of Ormond Beach

## CONFLICT, NON-CONFLICT OF INTEREST STATEMENT
## LITIGATION STATEMENT

**1.**

[xxx] To the best of our knowledge, the undersigned firm has no potential conflicts of interest due to any other clients or contracts for this project.

[ ] The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other clients or contracts for this project.

**2.**

[xxx] The undersigned firm has had no litigation on any project in the last five (5) years.

[ ] The undersigned firm, by attachment to this form, submits a summary and disposition of individual cases of litigation during the past five (5) years.

Yellowstone Landscape
COMPANY NAME

AUTHORIZED SIGNATURE

Brian Weatherby
SIGNER'S NAME (PRINT OR TYPE)

Branch Manager
TITLE

June 06,2025
DATE

***THIS PAGE MUST BE COMPLETED AND RETURNED WITH YOUR PROPOSAL***




**Legend**

5 ITEM #

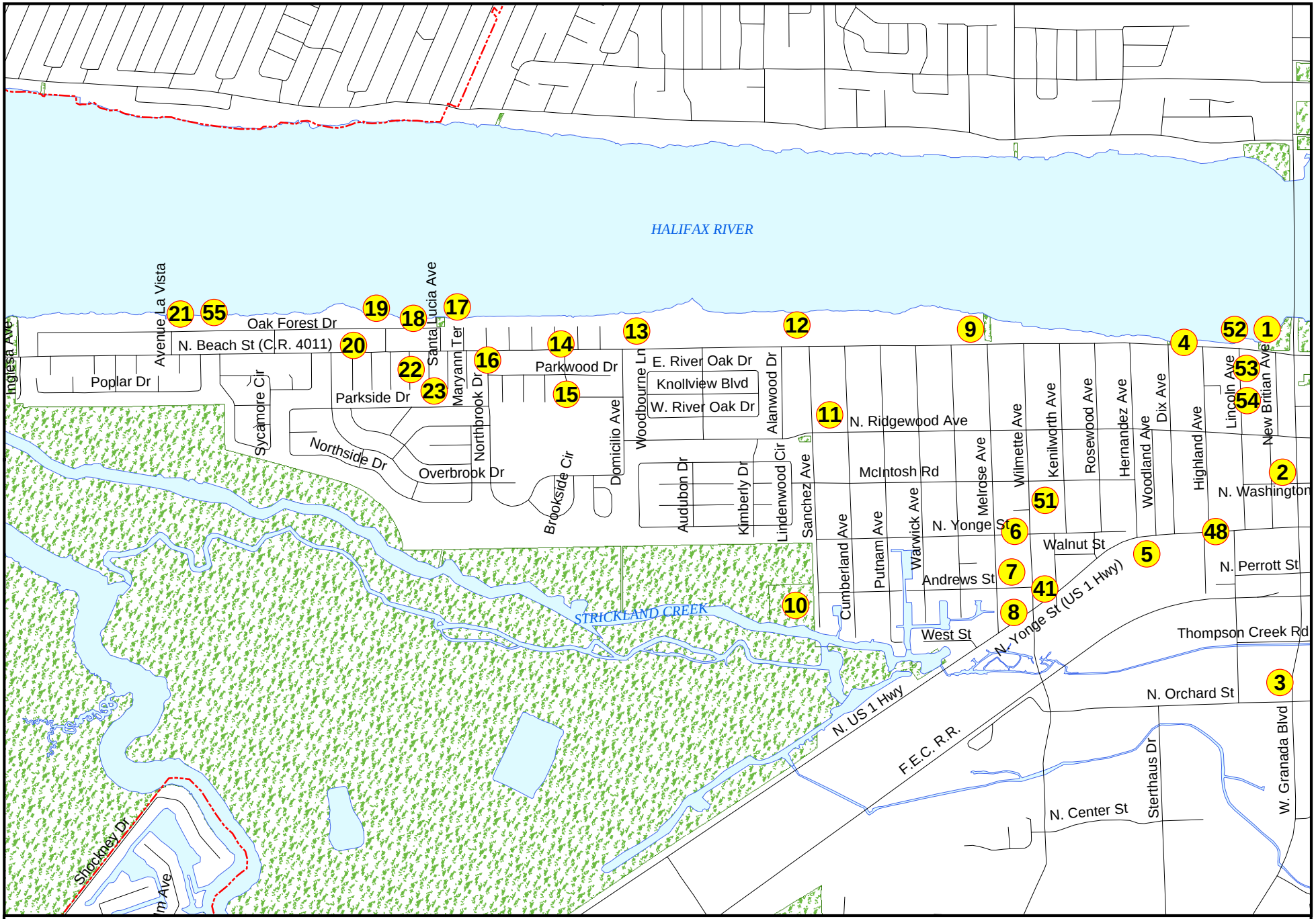
CITY PARK

# GROUNDS MAINTENANCE ZONE MAP

**ZONE NO. 2**

0 500 1,000 2,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 27, 2025




**Legend**

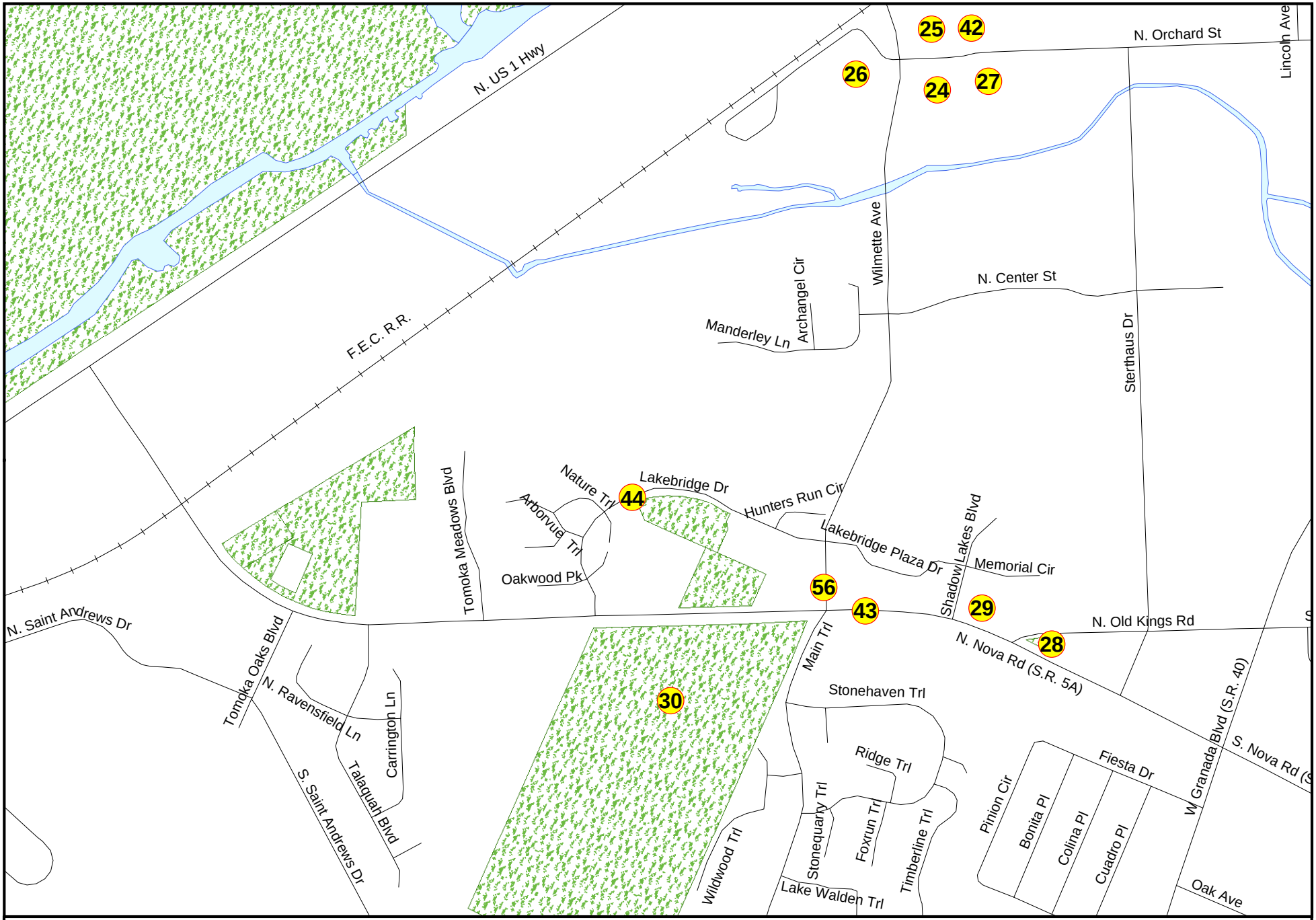
5 ITEM # CITY PARK

# GROUNDS MAINTENANCE ZONE MAP

**ZONE NO. 3 (MAP A)**

0 500 1,000 2,000 3,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 27, 2025




**Legend**

5 ITEM #

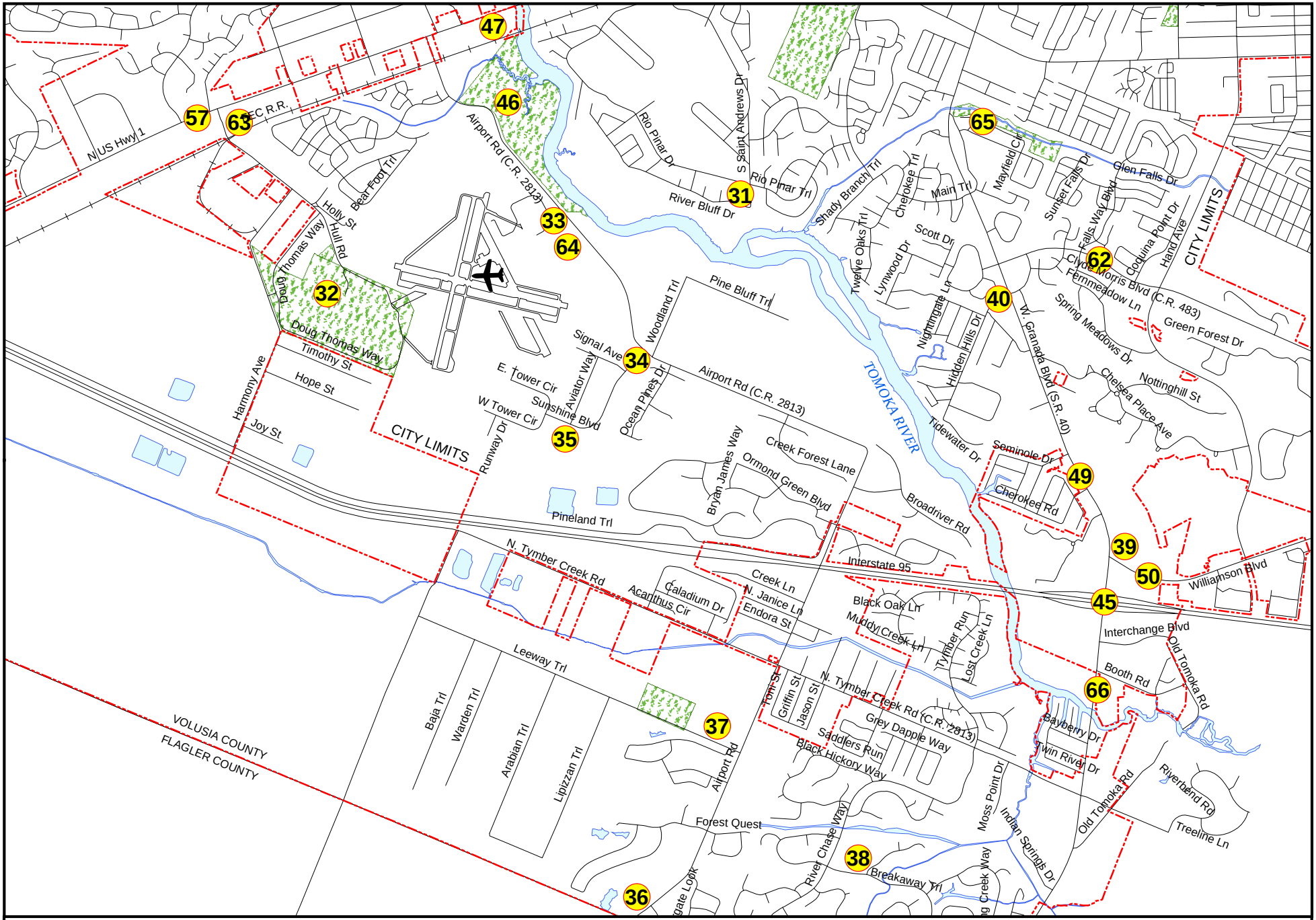
CITY PARK

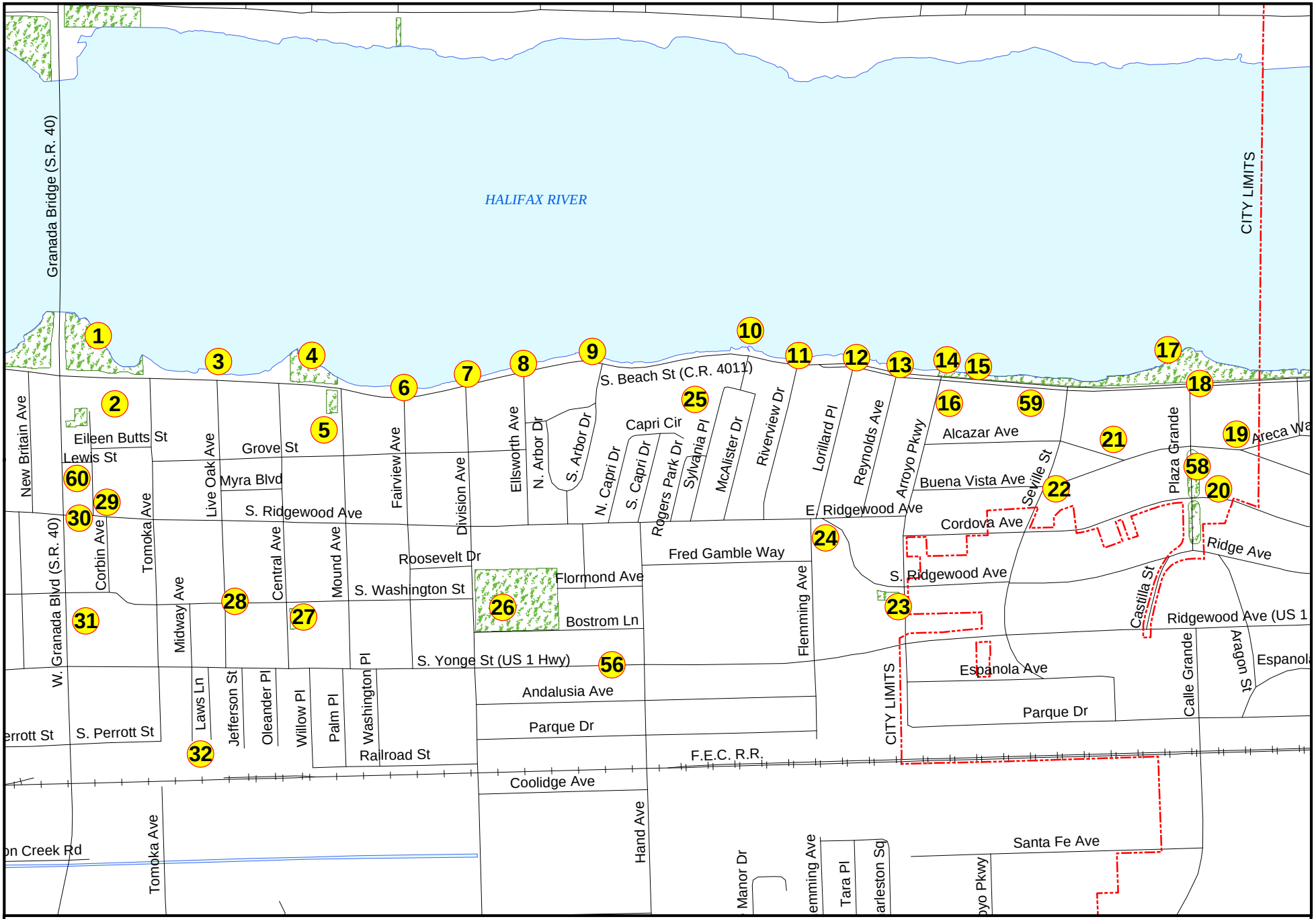
# GROUNDS MAINTENANCE ZONE MAP

**ZONE NO. 3 (MAP B)**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 27, 2025


47
46
57
63
FEC R.R.
N US Hwy 1
Airport Rd (C.R. 2813)
Rio Pinar Dr
S Saint Andrews Dr
Rio Pinar Trl
River Bluff Dr
31
65
Shady Branch Trl
Cherokee Trl
Main Trl
Mayfield Ct
Sunset Falls Dr
Glen Falls Dr
Falls Way Blvd
Coquina Point Dr
Hand Ave
CITY LIMITS
33
64
Bear Foot Trl
Holly St
Hull Rd
Doug Thomas Way
32
Twelve Oaks Trl
Lynwood Dr
Scott Dr
62
Clyde Morris Blvd (C.R. 483)
Fernmeadow Ln
Spring Meadows Dr
Green Forest Dr
40
Nightingale Ln
Hidden Hills Dr
W. Granada Blvd (S.R. 40)
Pine Bluff Trl
Woodland Trl
Signal Ave
34
Aviator Way
Sunshine Blvd
E. Tower Cir
W Tower Cir
Runway Dr
35
Ocean Pines Dr
Airport Rd (C.R. 2813)
TOMOKA RIVER
Chelsea Place Ave
Nottinghill St
Harmony Ave
Hope St
Timothy St
Joy St
CITY LIMITS
Tidewater Dr
Seminole Dr
49
Cherokee Rd
Creek Forest Lane
Ormond Green Blvd
Bryan James Way
Broadriver Rd
Pineland Trl
39
50
Williamson Blvd
N. Tymber Creek Rd
Interstate 95
45
Creek Ln
N. Janice Ln
Endora St
Caladium Dr
Acanthus Cir
Black Oak Ln
Muddy Creek Ln
Tymber Run
Lost Creek Ln
Interchange Blvd
Old Tomoka Rd
Booth Rd
66
Leeway Trl
Baja Trl
Warden Trl
Arabian Trl
Lipizzan Trl
37
Airport Rd
Tom St
Griffin St
Jason St
N. Tymber Creek Rd (C.R. 2813)
Grey Dapple Way
Saddlers Run
Black Hickory Way
Bayberry Dr
Twin River Dr
VOLUSIA COUNTY
FLAGLER COUNTY
Forest Quest
River Chase Way
Moss Point Dr
Indian Springs Dr
Old Tomoka Rd
Riverbend Rd
Treeline Ln
38
Breakaway Trl
36
Gate Lodge
Legend
5 ITEM #
CITY PARK
GROUNDS MAINTENANCE ZONE MAP
ZONE NO. 3 (MAP C)
N
0 500 1,000 2,000 3,000 4,000
Feet
Prepared By: The City of Ormond Beach
G.I.S. Department June 27, 2025




**Legend**

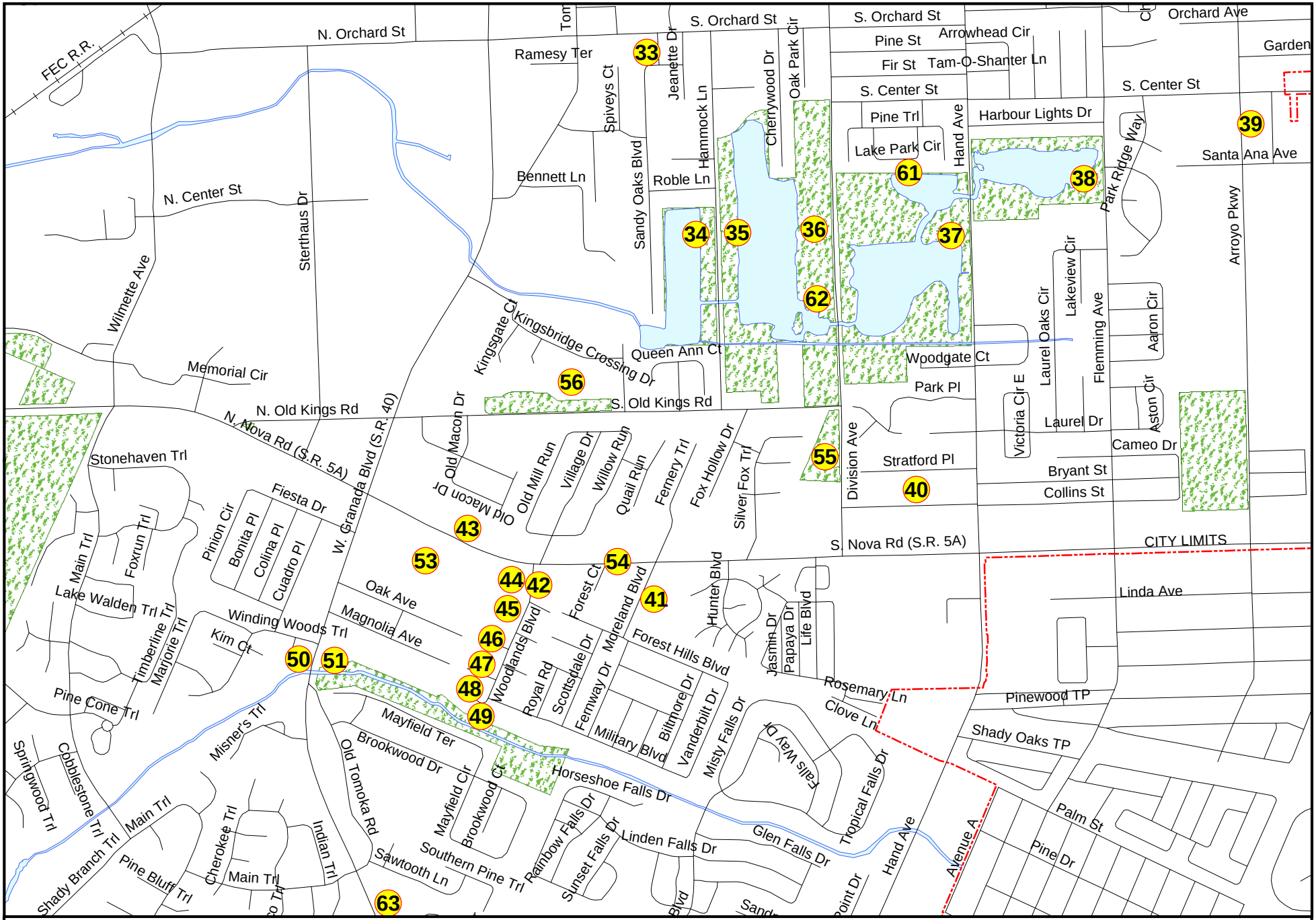
5 ITEM # CITY PARK

# GROUNDS MAINTENANCE ZONE MAP

**ZONE NO. 4 (MAP A)**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 27, 2025




**Legend**

5 ITEM #

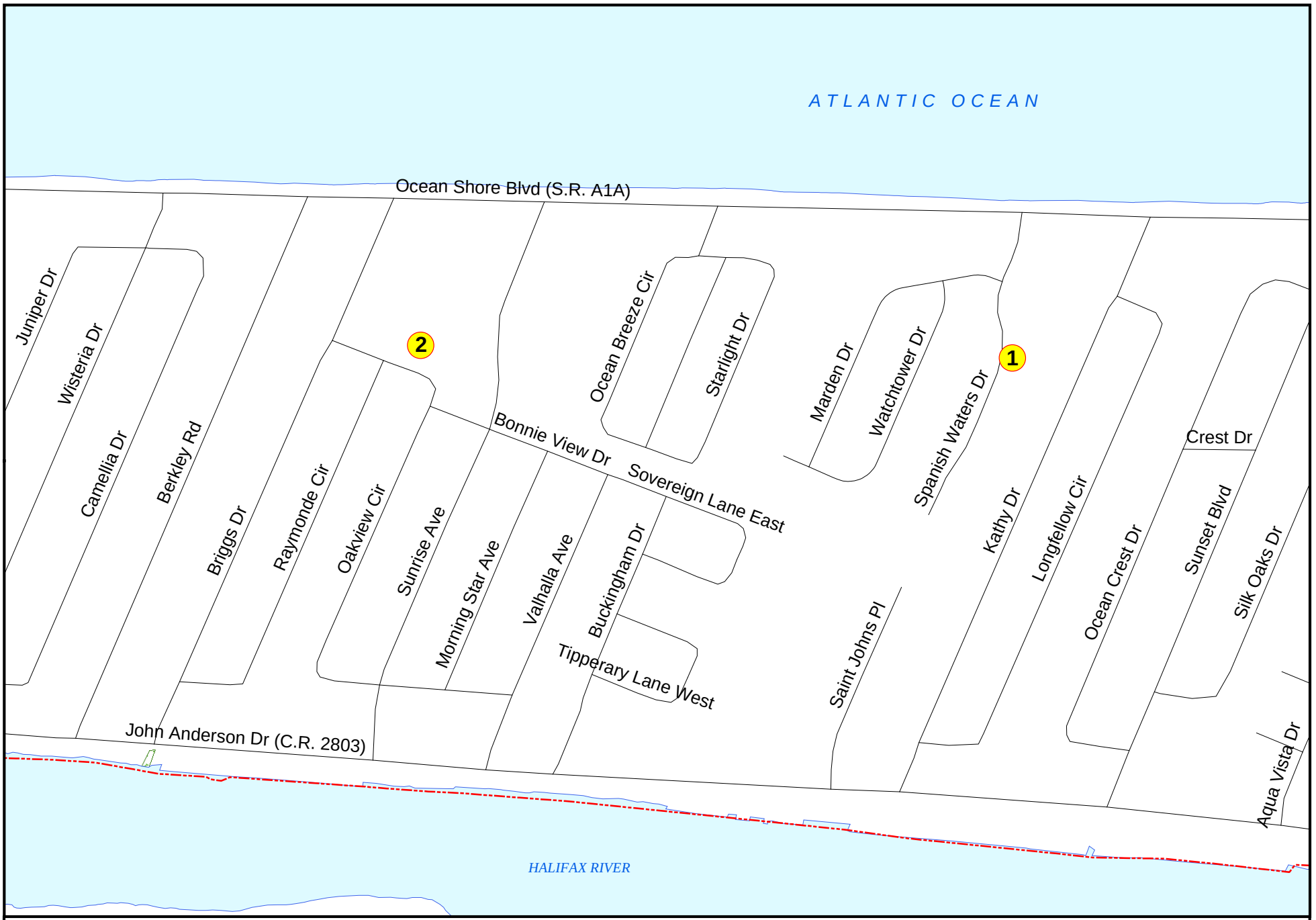
CITY PARK

# GROUNDS MAINTENANCE ZONE MAP

**ZONE NO. 4 (MAP B)**

0 500 1,000 2,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 27, 2025




**Legend**

5 ITEM # CITY PARK

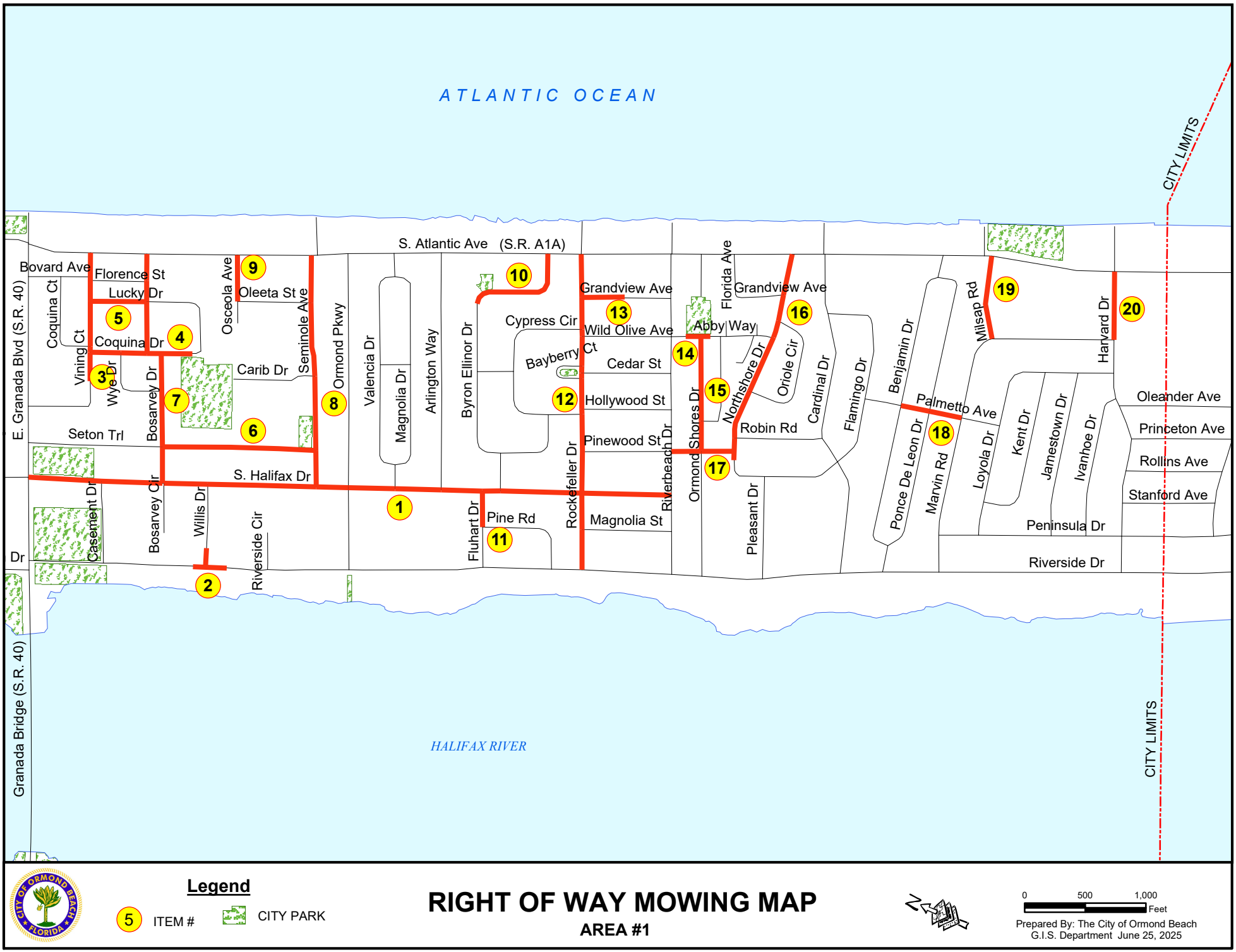
# GROUNDS MAINTENANCE ZONE MAP

**ZONE OBS**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 10, 2025

| | STATION NAME | OLD STATION NAME | Abreviation | PHISICAL ADDRESS |
|---|---|---|---|---|
| **2015** | | | | |
| | | | | Rima Ridge Rd. |
| | | Rima | 35R | 2198 Rima Ridge Rd. |
| | | Rima | 36R | 2154 Rima Ridge Rd. |
| | | Rima | 37R | 2180 Rima Ridge Rd. |
| | | Rima | 38R | 2190 Rima Ridge Rd. |
| | | | | |
| | | | | Hundson Wells- Hunters Ridge & Breakaway |
| | | | 22H | 25 DARTMOUTH TRACE |
| | | | 23H | 5 COTTONWOOD FLAT |
| | | | 24H | 49 ASHTON LOOK |
| | | | 25H | 51 ASHTON LOOK |
| | | | 26H | 39 AMELIA LN |
| | | | 27H | 62 AMELIA LN |
| | | | 28H | 2558 AIRPORT RD |
| | | | 29H | 68 ASHFORD LAKES DR |
| | | | 30H | 61 DEEP WOODS WAY |
| | | | 31H | 97 DEEP WOODS WAY |
| | | | 32H | 19 ASHTON LOOK |
| | | | 33H | 126 WRENDALE LOOP |
| | | | 34H | 157 ASHTON LOOK |
| | | | Access Rd. | grass road between 31H and 29H |
| **2017** | | | | |
| | 307 | 13M | 13M | 6 Twelve Oaks Trail, Ormond Beach, Fl 32174 |
| | 103 | 2P | 2P | 605 Riverside Drive, Ormond Beach, Fl 32176 |
| | 104 | 4P | 4P | 205 Seminole Avenue, Ormond Beach, Fl 32176 |
| | 101 | 5P | 5P | 812 Riverside Drive, Ormond Beach, Fl 32176 |
| | 108 | 7P | 7P | 708 Alden Drive, Ormond Beach, Fl 32176 |
| | 402 | ABERDEEN 1 | AB1 | 3 Bluewater Lake Circle, Ormond Beach, Fl 32174 |
| | 403 | ABERDEEN 2 | AB2 | 39 Beaverlake Circle, Ormond Beach, Fl 32174 |
| | 401 | ABERDEEN 3 | AB3 | 263 Blue Heron Lake Circle, Ormond Beach, Fl 32174 |
| | 404 | ABERDEEN 4 | AB4 | 17 Cypress Grove Lane, Ormond Beach, Fl 32174 |
| | 405 | ABERDEEN 5 | AB5 | 7 Pineview Lake Circle, Ormond Beach, Fl 32174 |
| | 701 | ORMOND LAKES 1 | OL1 | 51 Ormond Lakes Blvd, Ormond Beach, Fl 32174 |
| | 702 | ORMOND LAKES 2 | OL2 | 90 Ormond Lakes Blvd, Ormond Beach, Fl 32174 |
| | 703 | ORMOND LAKES 4 | OL4 | 140 Lakebluff Drive, Ormond Beach, Fl 32174 |
| | 209 | SANDY OAKS | SO | 514 Sandy Oaks Blvd, Ormond Beach, Fl 32174 |
| | 111 | SPANISH WATERS | SW | 12 1/2 Spanish Waters Drive, Ormond Beach, Fl 32176 |
| | 608 | ASHTON LOOK | AL | 100 Hunters Ridge Blvd, Ormond Beach, FL 32174 |
| | 609 | HUNTERS RIDGE | HR | 296 Hunters Ridge Blvd, Ormond Beach, FL 32174 |
| | | | | |
| | | | 6D | 557 Division Ave. |
| | | | 7D | 563 Division Ave. |
| | | | 8D | 599 Division Ave. |
| | | | 9D | 679 Division Ave. |
| | | | 11D | 719 Division Ave. |
| | | | 12D | 795 Division Ave. |




**Legend**

5 ITEM #

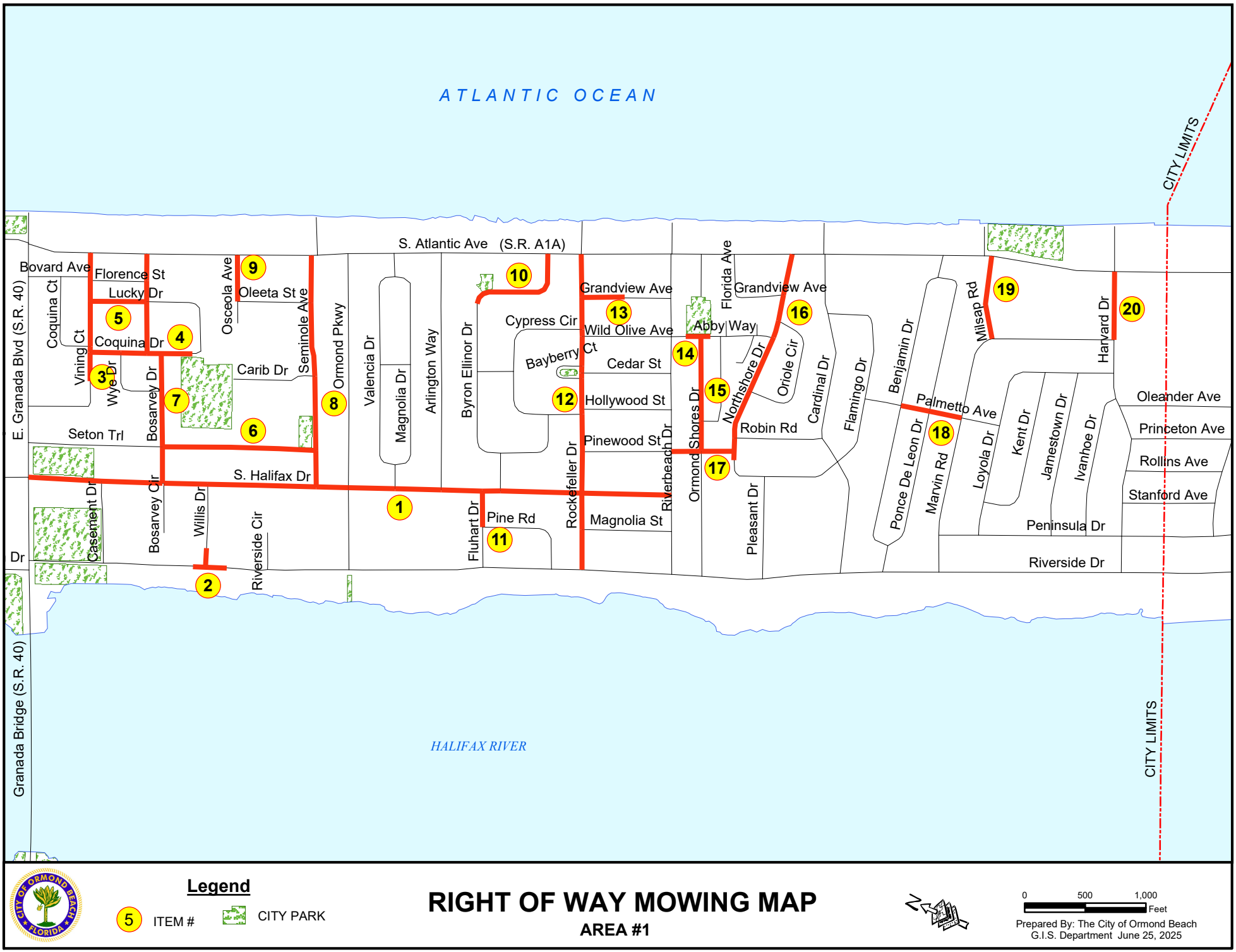
CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #1**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




**Legend**

5 ITEM #

CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #1**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




**Legend**

5 ITEM #

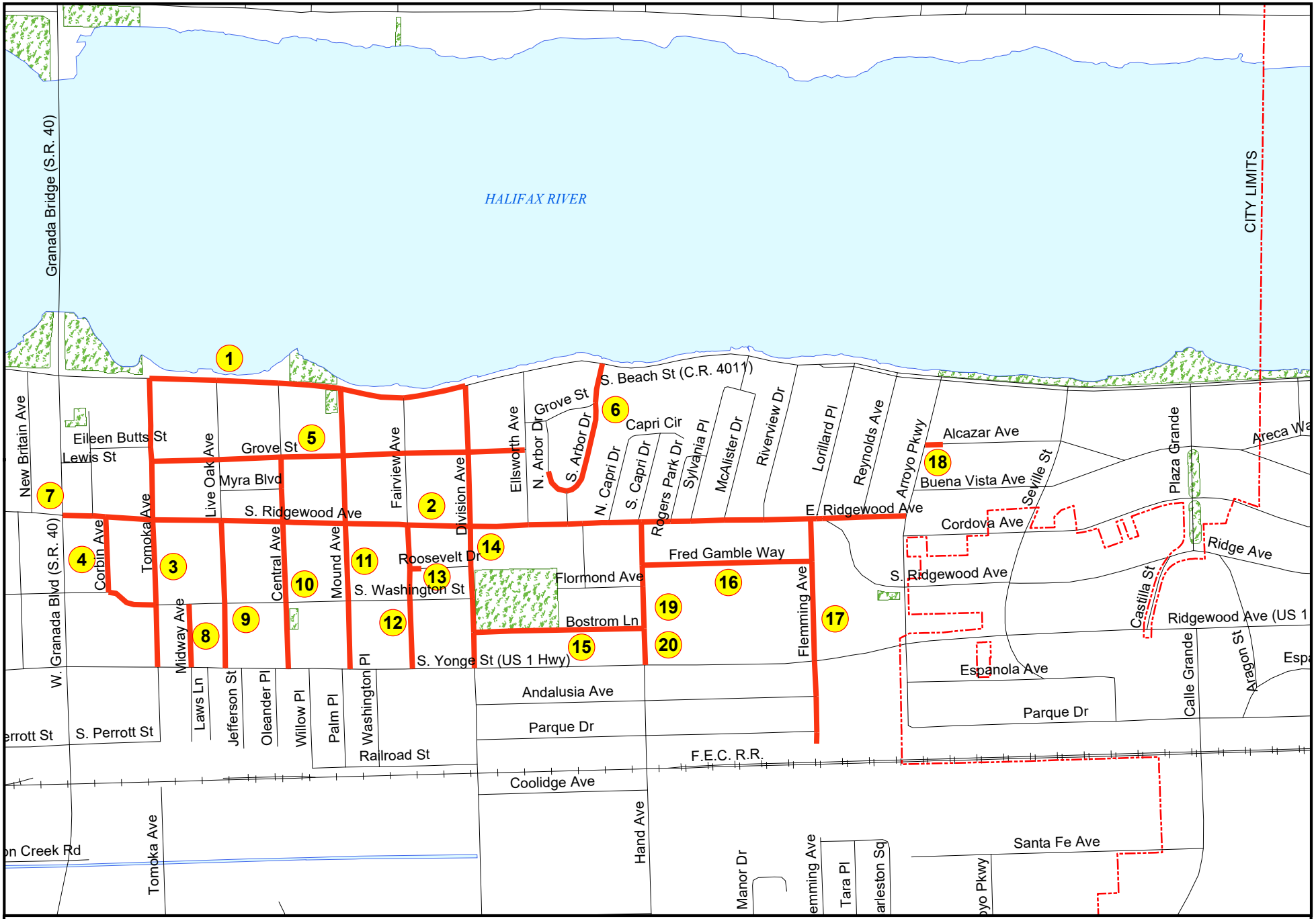
CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #2**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




**Legend**

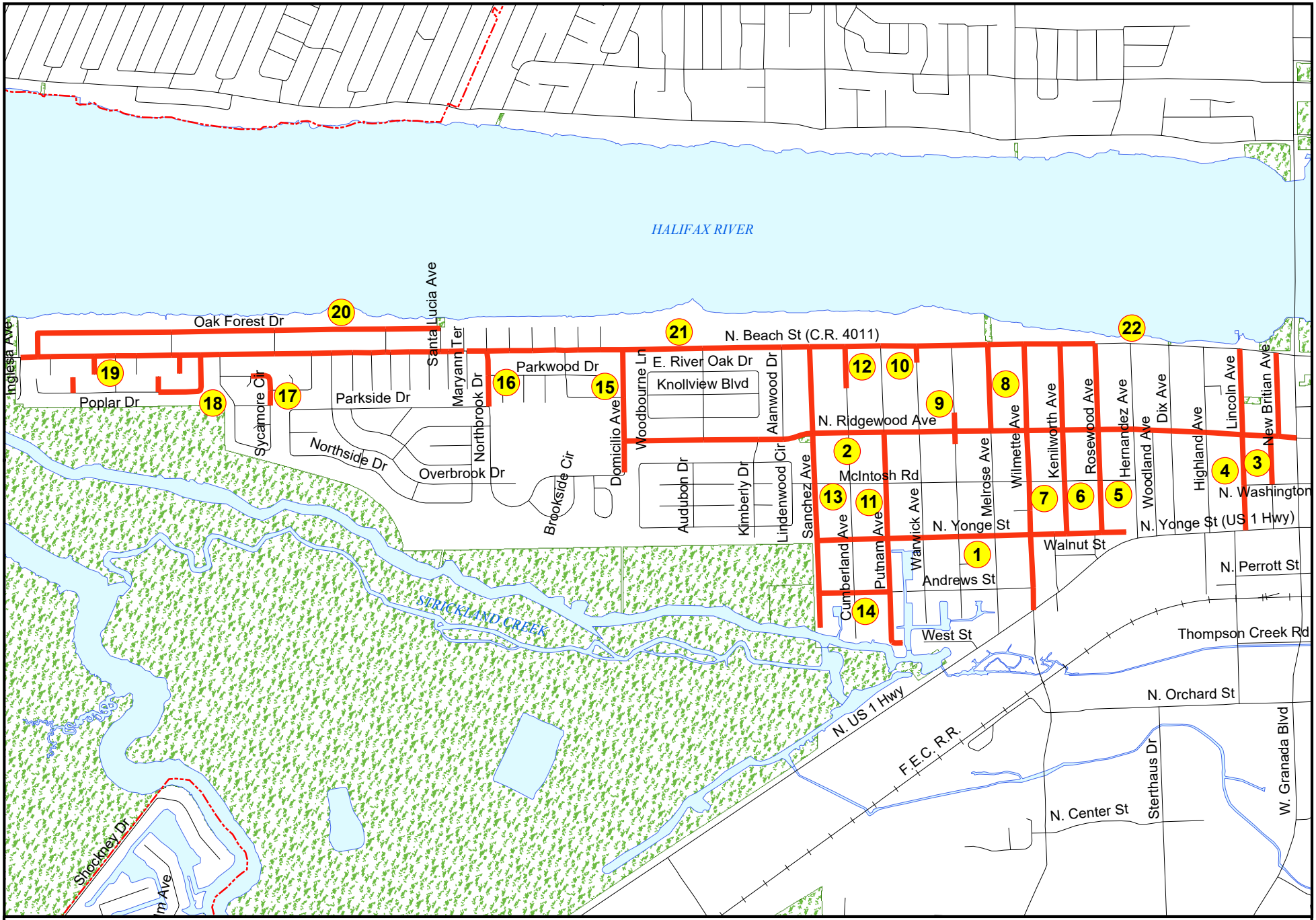
5 ITEM # CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #3**

0 500 1,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




**Legend**

5 ITEM #

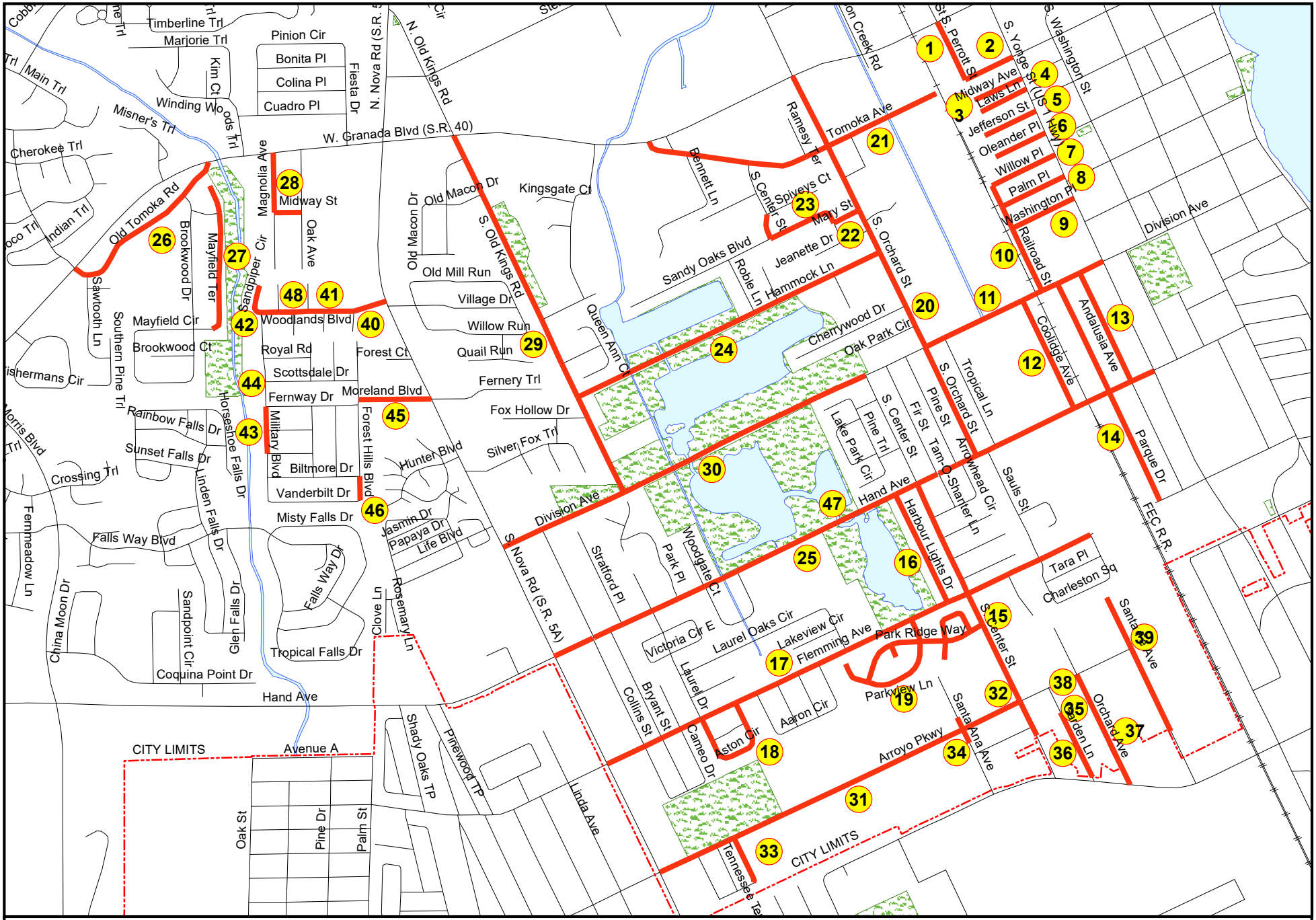
CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #4**

0 500 1,000 2,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




## Legend

5 ITEM #

CITY PARK

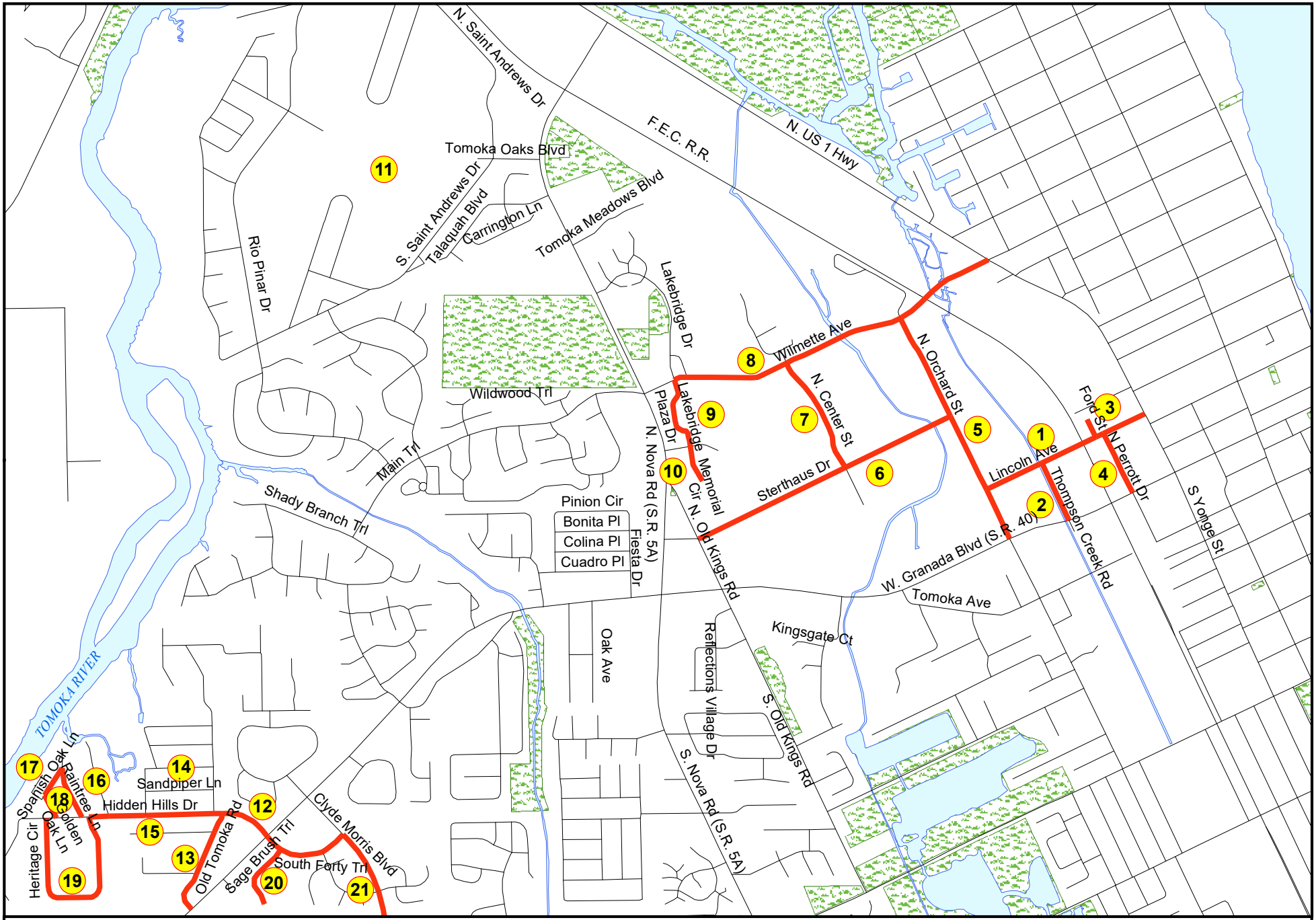
# RIGHT OF WAY MOWING MAP

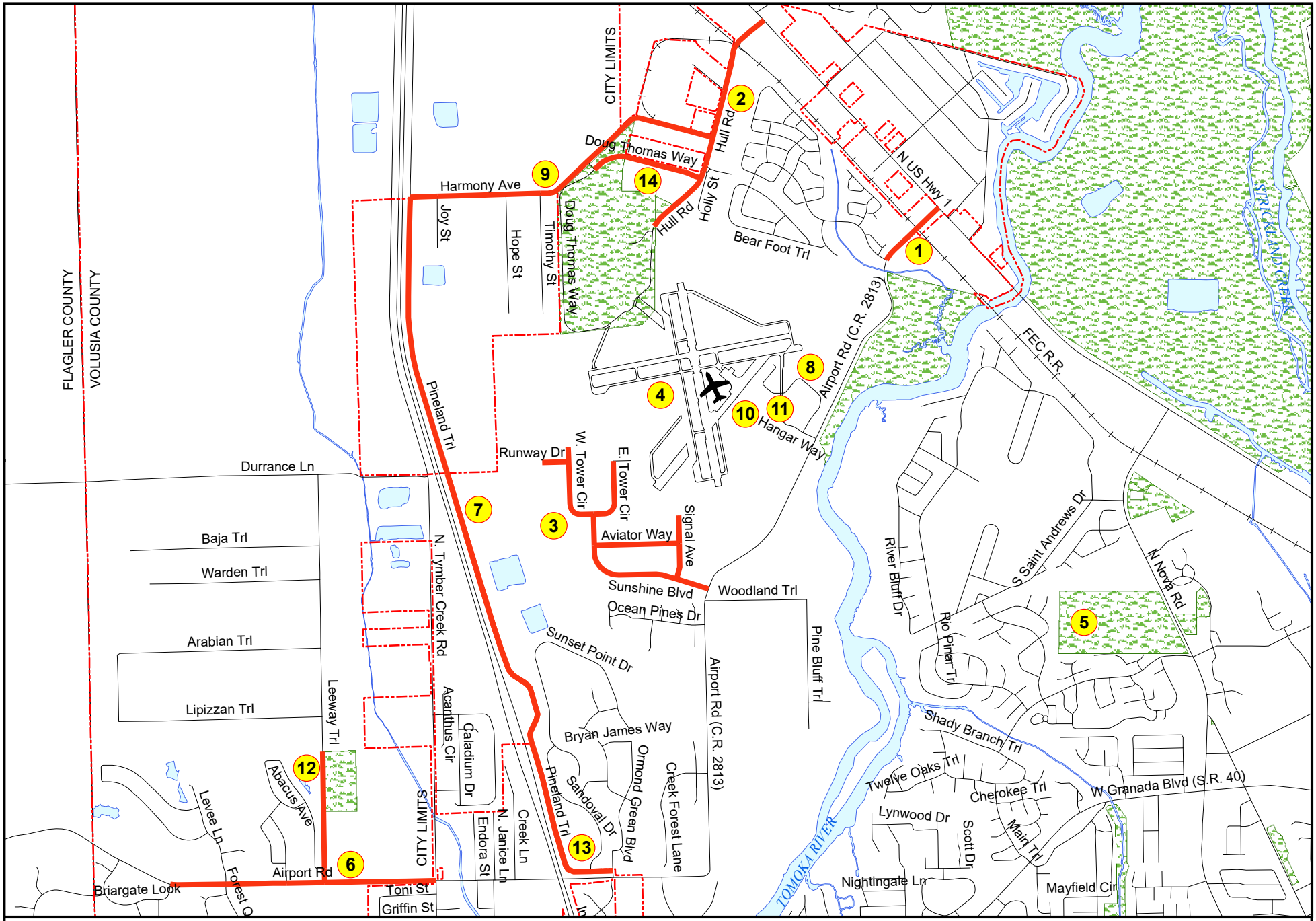
**AREA #5**

N

0 500 1,000 2,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025


N. Saint Andrews Dr
F.E.C. R.R.
N. US 1 Hwy
Tomoka Oaks Blvd
S. Saint Andrews Dr
Talaquah Blvd
Carrington Ln
Tomoka Meadows Blvd
Rio Pinar Dr
Lakebridge Dr
Wildwood Trl
Main Trl
Shady Branch Trl
Plaza Dr
N. Nova Rd (S.R. 5A)
Lakebridge Memorial Cir
N. Old Kings Rd
Wilmette Ave
N. Center St
N. Orchard St
Sterthaus Dr
Lincoln Ave
Ford St
N Perrott Dr
Thompson Creek Rd
S Yonge St
W. Granada Blvd (S.R. 40)
Tomoka Ave
Pinion Cir
Bonita Pl
Colina Pl
Cuadro Pl
Fiesta Dr
Oak Ave
Kingsgate Ct
Reflections Village Dr
S. Old Kings Rd
S. Nova Rd (S.R. 5A)
TOMOKA RIVER
Spanish Oak Ln
Raintree Ln
Golden Oak Ln
Heritage Cir
Sandpiper Ln
Hidden Hills Dr
Old Tomoka Rd
Sage Brush Trl
Clyde Morris Blvd
South Forty Trl
1
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16
17
18
19
20
21
Legend
ITEM #
CITY PARK
RIGHT OF WAY MOWING MAP
AREA #6A
N
0 500 1,000 2,000
Feet
Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




## Legend

5 ITEM # CITY PARK

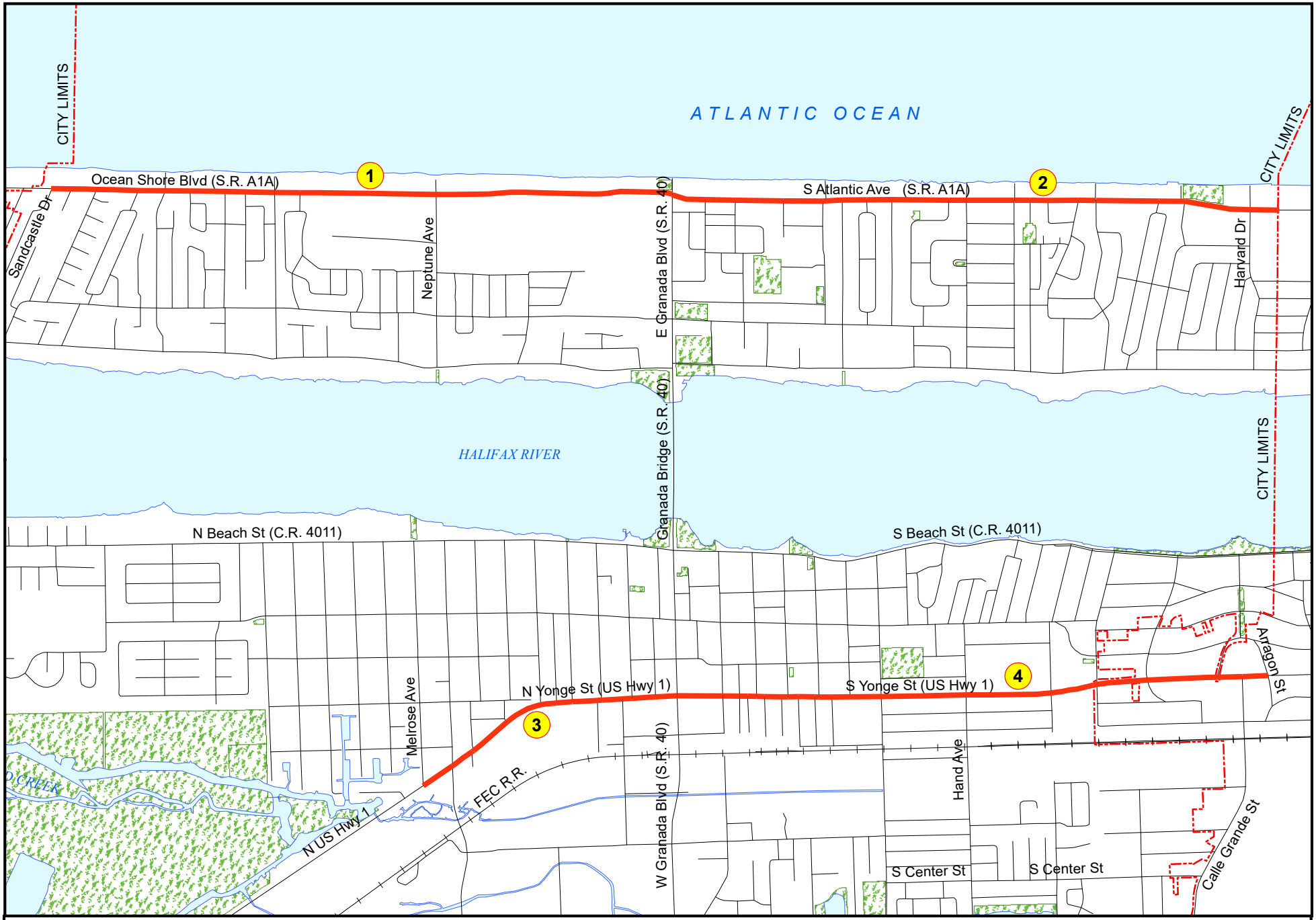
# RIGHT OF WAY MOWING MAP

**AREA #6B**

N

0 500 1,000 2,000 3,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




**Legend**

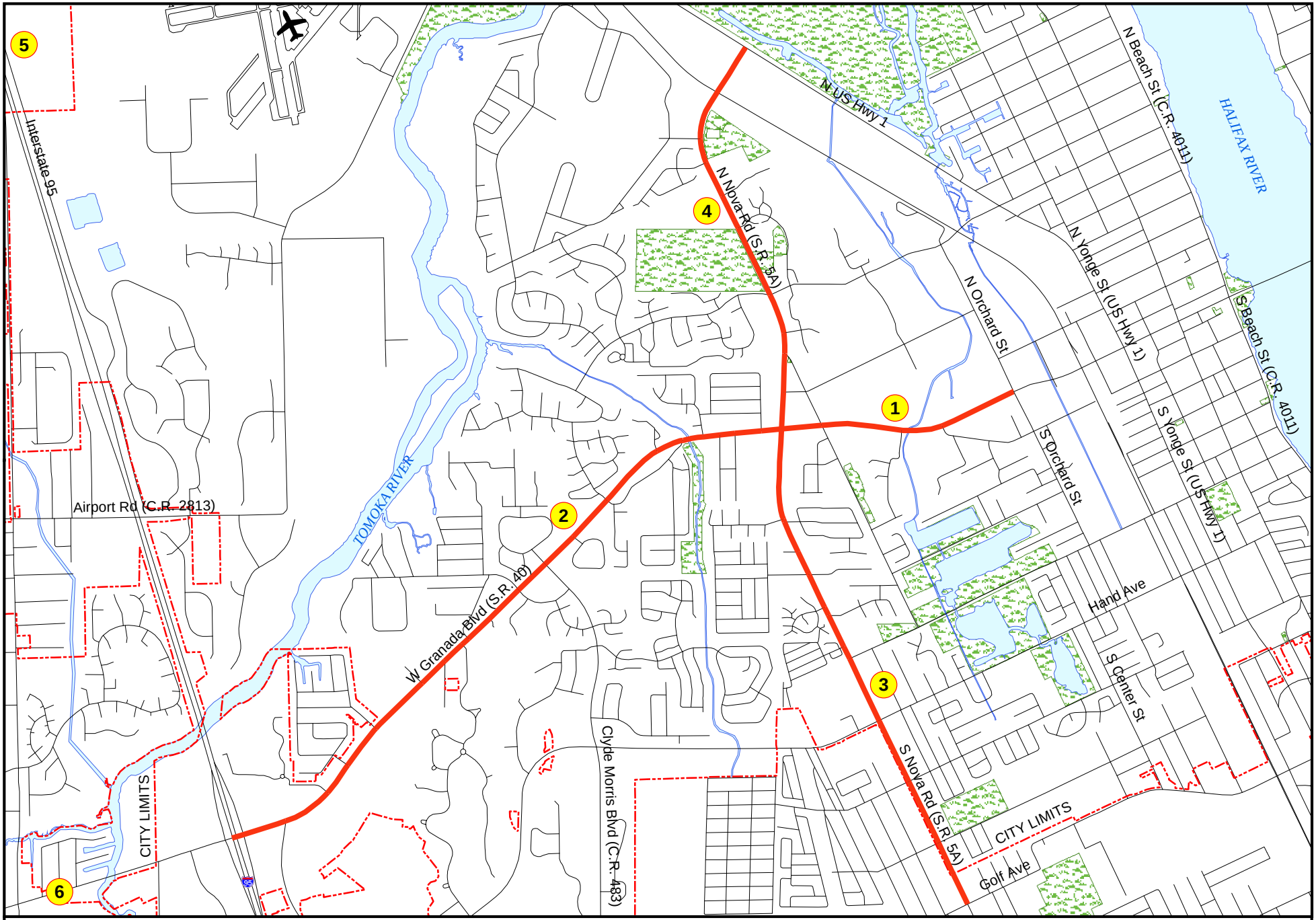
5 ITEM # CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #7A**

0 500 1,000 2,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 25, 2025




## Legend

5 ITEM #

CITY PARK

# RIGHT OF WAY MOWING MAP

**AREA #7B**

N

0 500 1,000 2,000 3,000 Feet

Prepared By: The City of Ormond Beach
G.I.S. Department June 30, 2025

# Addendum - Summary of Contract Additions FY 13 - 14

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| 1 | Airport Hanger Mowing | 770 Airport Rd. | 1 | 16-C | 0 | $520.00 |
| 2 | Harmony Ave. Right of ways | both sides from Hull Rd to Pinland Trail | 4.25 | 16-C | 0 | $1,428 |
| 3 | Additional Hanger mowing | 770 Airport Rd. | 0.6 | 16-C | 0 | $312.00 |
| 4 | Airport Mowing increase service level from 6 to 10d services per year | 770 Airport Rd. | 98.93 | 10-D | 0 | $20,117.54 |
| 5 | Country Club Medians increase service level from 16c to 39a | Country Club & A1A north | 0.06 | 39-A | 2 | $362 |
| 6 | Plaza Grande Medians increase service level from 16c to 29b | 95 Plaza Grande | 1.12 | 29-B | 3 | $1,275.56 |
| 7 | South Beach Medians | medians begin just south of Riverview Dr. to City limits | | 29-B | 7 | $4,300.00 |
| 8 | Memorial Gardens (mowing) | 78 E. Granada | | 39-A | 14 | $1,476.00 |
| | " " Detail service | " " | | 8 services | | $4,212.00 |
| | " " Blow off paths Mon/Wed/Fri | " " | | 3 per week | | $7,725.00 |
| 9 | Wastewater Treatment plant improvments | 550 N. Orchard St. | 0.92 | 29-B | 7 | $7,896.00 |
| 10 | Ted Porter Park increase service level from 16c to 29b | 1044 John Anderson | 0.15 | 29-B | 3 | $650.00 |
| 11 | I-95/SR40 Interchange | 4 slopes, ramps and right-of ways of I-95/SR40 interchange | ? | 29-B | | $17,352.00 |
| 12 | SR40 medians I-95 to Buckskin | I-95 to Buckskin | 17.87 | 11-C | 0 | $4,128.00 |
| 13 | Pineland Ave. right of ways. Harmony Ave. north to Tymber Creek | Harmony Ave. north to Tymber Creek | | 16-C | 0 | $1,600.00 |
| 14 | Downtown Medians | | | 39-A | | $11,280.00 |
| 15 | Hand Ave. (additional ROW mowing for new bridges) | additional mowing for new bridges | 0.17 | 16-C | 0 | $252.00 |
| 16 | Leeway Trail right of way mowing | Airort Rd. north to residenatal homes | | 16-C | 0 | $816.00 |
| 17 | Wimette Medians | Meadins are just east of Nova Rd. | 2 | 16-C | 2 | $296.00 |
| 18 | Sports Complex common area mowing | 700 Hull Rd | 19.03 | 29-B | 0 | $22,356.00 |
| | | | | | | |

$ 108,354.35

# Addendum - Summary of Contract Additions FY 15 - 16

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| | Clyde Morris Medians | 2 grass medians between Granada and Hand ave. | 2 | 16-C | 0 | **$1,068.00** |
| | Plaza Grande Medians Increae service level from 16C to 29B | 95 Plaza Grande | 2 | 29-B | 3 | **$1,649** |
| | Red Maple/Woodland Blvd right-of-way | On Woodland Blvd. From 32 Red Maple to Sugarberry Cir | 0.04 | 29-B | 0 | **$456.75** |
| | Hull Rd. mowing around US1 sign | Cornor of US1 & Hull Rd. | 0.02 | 16-C | 0 | **$252.00** |
| | ADA Mulch for Magic Forest playground at Nova Community Center | 440 N. Nova Rd. | 180 Cyds @ $40 per Cyd | 1X per year | | **$7,200** |
| | Granada Medians 1-95 west to Buckskin median & Right of way mowing | Due to plantings mowing needs to be performed by zero turn mowers instead of trackor mowing - increased price | 12 | | | **$14,676.00** |
| | " " | "detailing service for new plants | | | | **$3,612.00** |
| | " " | Reclinata palm tree prunning | 82 Palm trees | 1X per year | | **$6,252.00** |
| | Cardinal Beach Approach | Cardinal Dr. Beach approach (North side, between Lifeguard station and A1A) | 0.05 | 39-A | 2 | **$1,482.00** |
| | | | | | | |
| | | | | | | |
| | | | | | | |

$ 36,647.75

| | STATION NAME | OLD STATION NAME | Abreviation | PHISICAL ADDRESS |
|---|---|---|---|---|
| **2015** | | | | |
| | | | | Rima Ridge Rd. |
| | | Rima | 35R | 2198 Rima Ridge Rd. |
| | | Rima | 36R | 2154 Rima Ridge Rd. |
| | | Rima | 37R | 2180 Rima Ridge Rd. |
| | | Rima | 38R | 2190 Rima Ridge Rd. |
| | | | | |
| | | | | Hundson Wells- Hunters Ridge & Breakaway |
| | | | 22H | 25 DARTMOUTH TRACE |
| | | | 23H | 5 COTTONWOOD FLAT |
| | | | 24H | 49 ASHTON LOOK |
| | | | 25H | 51 ASHTON LOOK |
| | | | 26H | 39 AMELIA LN |
| | | | 27H | 62 AMELIA LN |
| | | | 28H | 2558 AIRPORT RD |
| | | | 29H | 68 ASHFORD LAKES DR |
| | | | 30H | 61 DEEP WOODS WAY |
| | | | 31H | 97 DEEP WOODS WAY |
| | | | 32H | 19 ASHTON LOOK |
| | | | 33H | 126 WRENDALE LOOP |
| | | | 34H | 157 ASHTON LOOK |
| | | | Access Rd. | grass road between 31H and 29H |
| **2017** | | | | |
| | 307 | 13M | 13M | 6 Twelve Oaks Trail, Ormond Beach, Fl 32174 |
| | 103 | 2P | 2P | 605 Riverside Drive, Ormond Beach, Fl 32176 |
| | 104 | 4P | 4P | 205 Seminole Avenue, Ormond Beach, Fl 32176 |
| | 101 | 5P | 5P | 812 Riverside Drive, Ormond Beach, Fl 32176 |
| | 108 | 7P | 7P | 708 Alden Drive, Ormond Beach, Fl 32176 |
| | 402 | ABERDEEN 1 | AB1 | 3 Bluewater Lake Circle, Ormond Beach, Fl 32174 |
| | 403 | ABERDEEN 2 | AB2 | 39 Beaverlake Circle, Ormond Beach, Fl 32174 |
| | 401 | ABERDEEN 3 | AB3 | 263 Blue Heron Lake Circle, Ormond Beach, Fl 32174 |
| | 404 | ABERDEEN 4 | AB4 | 17 Cypress Grove Lane, Ormond Beach, Fl 32174 |
| | 405 | ABERDEEN 5 | AB5 | 7 Pineview Lake Circle, Ormond Beach, Fl 32174 |
| | 701 | ORMOND LAKES 1 | OL1 | 51 Ormond Lakes Blvd, Ormond Beach, Fl 32174 |
| | 702 | ORMOND LAKES 2 | OL2 | 90 Ormond Lakes Blvd, Ormond Beach, Fl 32174 |
| | 703 | ORMOND LAKES 4 | OL4 | 140 Lakebluff Drive, Ormond Beach, Fl 32174 |
| | 209 | SANDY OAKS | SO | 514 Sandy Oaks Blvd, Ormond Beach, Fl 32174 |
| | 111 | SPANISH WATERS | SW | 12 1/2 Spanish Waters Drive, Ormond Beach, Fl 32176 |
| | 608 | ASHTON LOOK | AL | 100 Hunters Ridge Blvd, Ormond Beach, FL 32174 |
| | 609 | HUNTERS RIDGE | HR | 296 Hunters Ridge Blvd, Ormond Beach, FL 32174 |
| | | | | |
| | | | 6D | 557 Division Ave. |
| | | | 7D | 563 Division Ave. |
| | | | 8D | 599 Division Ave. |
| | | | 9D | 679 Division Ave. |
| | | | 11D | 719 Division Ave. |
| | | | 12D | 795 Division Ave. |

# Addendum - Summary of Contract Additions FY16/17

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| 1 | Water Dept. Well/Lift station site maintenace | **Numerous sites and locations on separate spread sheet** | | 11-D | | **$6,930.00** |
| 2 | Airport Runways/Taxiways herbicide applications May & Oct | 770 Airport Rd. | 0 | 2 applications | 0 | **$13,280.00** |
| 3 | Marvin Cemetery increase in service level 16c to 29B | 106 Marvin Rd. | 0.2 | 29-B | 0 | **$312.00** |
| 4 | Granada medians I-95 west to Buckskin increase in service 11d to 16C Plus detail & 80 yds mulch | Granada (SR40)medians west of I-95 to Buckskin | 12 | 16-C | 12 | **$10,428** |
| | " " | " "<br>Mulch 80 Cyds @$41.70 per Cyd | | 1 x per year | | **$3,336** |
| | " " | " "<br>detail services | | 6 x per year | | **$108** |
| 5 | Wilmette Ave Street Tree Maint | Wilmette Ave, Andrews St. & Wilmette Cir | 44 trees | 16-C | 3 | **$1,360.00** |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | Nova Community Center new sidewalk (edging & cleanup) | 440 N. Nova Rd. | 0 | 39 0-A | 0 | **$1,404.00** |
| 7 | US1 & I95 interchange, ROW & medians from Wilmette to Destination Daytona Ln. Increae service level from 11d to 16C | US1 from Wimette to Destination Daytona | 16 | 16-D | 16 | **$45,960** |
| | " " | " "<br>62 medjool palms prunning @ $42.50 per palm | | x2 per year | | **$5,270** |
| | " " | " "<br>36 reclinata palm prunning @ $65 per palm | | 1X per year | | **$2,340** |
| | " " | " "<br>Mulch 153 Cyds @$41.70 per Cyd | | 1X per year | | **$6,380** |
| 8 | Downtown Medjools | Orchard to A1A | | | | |
| | " " | " "<br>140 medjool palms prunning @ 42.50 per palm | | 2 X per year | | **$11, 900.00** |
| 9 | I-95/SR40 Interchange Annual flowers | 4 cornors of interchange (202) per cornor = 810 total @1.38 each | | 4X per year | | **$4,471** |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | Nova Skate Park Mulch | 440 N Nova Rd | | | | |
| | | " "<br>60 Cyds @ $40.00 per yard | | 1 X per year | | **$2,400** |
| 11 | Enviromental Discovery Center | 601 Division Ave. | | 39-A | 8 | **$23,176** |
| | | | | | | |

$139,055.20

# Addendum - Summary of Contract Additions FY 17-18

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| | Renovated Hospital Gardens **Level increase from 16C to 29B** | 171 N. Old Kings Rd | 0.51 Acre | 29-B | 3 | **$931.50** |
| | Lincoln Ave. Parking lot | 30 Lincoln Ave. | .3 Acre | 29-B | 2 | **$1,885.00** |
| | Lincoln Ave. Park | 64 Lincoln Ave. | .3 Acre | 39-A | 13 | **$4,524.00** |
| | Water Dept Oak Forest Lift Station | 1417L Oak Forest Drive | .02 Acre | 29-B | 1 | **$1,131.00** |
| | Hernandez ROW outfall extension | East side of Hernandez Ave. (fallout area) from Beach St. to eastern edge | .01 Acre | 16-C | 0 | **$624.00** |
| | | | | | | |
| | | | | | | |

$ 9,095.50

# Addendum - Summary of Contract Additions FY 18/19

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| | Park Lake Circle Lot | 68. Park Lake Circle | .29 Acre | 16-C | 0 | **$ 936.00** |
| | Amsden River Fallout Addition | West Side of Amsden Drive (Fallout Area) from John Andersen Dr. to Western Edge | .13 Acre | 16-C | 0 | **$ 792.00** |
| | Ormond Beach Church Property (including east side parking lot) | 56 N. Beach Street | .75 Acre | 39 - A | 4 | **$ 10,380.00** |
| | U.S. 1 North Improvements from Airport Rd. to Woodland Ave (Tree and and Lanscape Improvements Only) | U.S. 1 North Improvements from Airport Rd. to Woodland Ave | 16 Medians | 16 - C | 12 | **$ 17,591.30** |
| | Ormond Beach Sports Complex Queen Palms | 700 Hull Road | 40 Palms | 4 | 0 | **$ 4,800.00** |
| | Idelwood ROW | Northern most row at the end of idlewood | .1 Acre | 16 - C | 0 | **$ 936.00** |
| | Airport Entrance Expanded Area | 770 Airport Road | 1 Acre | 29 -B | 0 | **$ 1,435.50** |

$ 36,870.80

# Addendum - Summary of Contract Additions FY 19/20

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| | Santa Lucia medians & park | M-Santa Lucia Ave. & N. Beach Street P-1199 Oak Forest Dr. | M-.08 Acre P-.20 Acre | 29-B | 0 | **$ 598.00** |
| | Airport Business Park Right-of-ways | Sunshine Blvd, Aviator Way, Signal Ave., East & West Tower Cir. | 11.39 Acres | 29-B | 0 | **$ 2,724.00** |
| | Forest Hills Trail | 970 W. Granada Blvd | 13.39 Acres | 29 - B | 0 | **$ 12,108.00** |

$ 15,430.00

# Addendum -Summary of Contract Additions FY20/

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class |
|---|---|---|---|---|
| 1 | Granada Median & I95 Slope Medjools | Granada Medians + I95 Slopes | 103 Palms | 2 |
| 2 | Riverbend Clubhouse Grounds | 730 Airport Rd. | 1 Acre | 29-B |
| 3 | Andy Romano Sable Palm | 839 S Atlantic Ave. | 313 palms | 1 |
| 4 | I-95/SR40 interchange Sable Palms | I95 at SR40 | 155 palms | 1 |

21

| # of Irrigation Zones | Total Cost |
|---|---|
| 0 | **$ 13,905.00** |
| 0 | **$ 9,324.00** |
| 0 | **$ 7,825.00** |
| 0 | **$ 7,750.00** |
| | $ 38,804.00 |

# Addendum -Summary of Contract Additions 21/22

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class |
|---|---|---|---|---|
| 1 | Vadner Park | 105 Seminole | .61 Acre | 16C to 39A |
| 2 | Florence Street Streetscape | Florence St. | .01 Acre | 29-B |
| 3 | Business Park entrance- Palm trimming | Airport Rd. at Sunshine Blvd. | 24 washie Palms | X4 per year |
| 4 | Additional Annuals - E. Granada Blvd. (1st median tip east of bridge) | E. Granada Medians | 216 annual flowers | X4 per year |

| # of Irrigation Zones | Total Cost |
|---|---|
| 7 | **$ 7,814.00** |
| 1 | **$ 1,762.00** |
| 0 | **$ 3,600.00** |
| 0 | **$ 1,399.68** |
| | **$ 14,575.68** |

# Addendum -Summary of Contract Additions 22/23

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| 1 | Additional Regular Hardwood Mulch | N/A- Mulch Line item | 465 cubic yards @ $49 per CY | 1X annual | N/A | **$22,785** |
| 2 | Additional ADA Playground Mulch | N/A- ADA Mulch Line item | 120 cubic yards @ $67.50 per CY | 1X annual | N/A | **$8,100** |
| 3 | New Item, Pine Straw Mulch | N/A new mulch line item | 200 bales @ $8.50 per bale | 1X annual | N/A | **$1,700** |

**$ 32,585.00**

# Addendum -Summary of Contract Additions FY23/24

| Item # | Site Name | Address | Acreage or # of Medians | # of Mowing Class | # of Irrigation Zones | Total Cost |
|---|---|---|---|---|---|---|
| 1 | Pineland Tr. Sidewalk Edgeing | Pineland Tr. (South End) | N/A | Edging Sidewalk 3 X per year | N/A | $ 960.00 |
| 2 | Bonnie View Drive lot | 2329 Bonnie View Dr. | .05 Acre | ear & (1) Vegitation cut | N/A | $ 1,805.00 |
| 3 | New A1A medians | A1A medians | 9 medians | (39-A) per year | 0 | $ 3,492.00 |
| 4 | Doug Thomas Way extension | Doug Thomas Way from entrance of Sports complex to Harmony | 3.5 Acres | (29-B) per year | 0 | $ 7,980.00 |
| | | | | | | $ 14,237.00 |

# City Commission Workshop
# *Grounds Maintenance Contract*

*August 20, 2024*

# History of service contract

- May 24, 2011 – City held a landscape workshop to discuss options for the current grounds maintenance contract. Staff was directed to prepare the specifications to bid the contract for next fiscal year 2011-2012.
- April 25, 2012 – City received (6) competitive bids. Yellowstone LLC (formerly know as Austin Outdoor) was the lowest bidder.
- June 19, 2012 – City Commission authorized through resolution No. 2012-89 the current contract.

Staff would require a similar time frame to execute re-bid process due to it's size, scope, complexity and bid/procurement processes:

- Contract verbiage review & updates
- Consolidate all sites & specifications
- Site map updates, creation & review
- Bid procurement processes
- Bidder inquires & site visits
- Selection process
- Approval of new service contract
- Provide selected vendor time for staffing & equipment requirements to take on services.

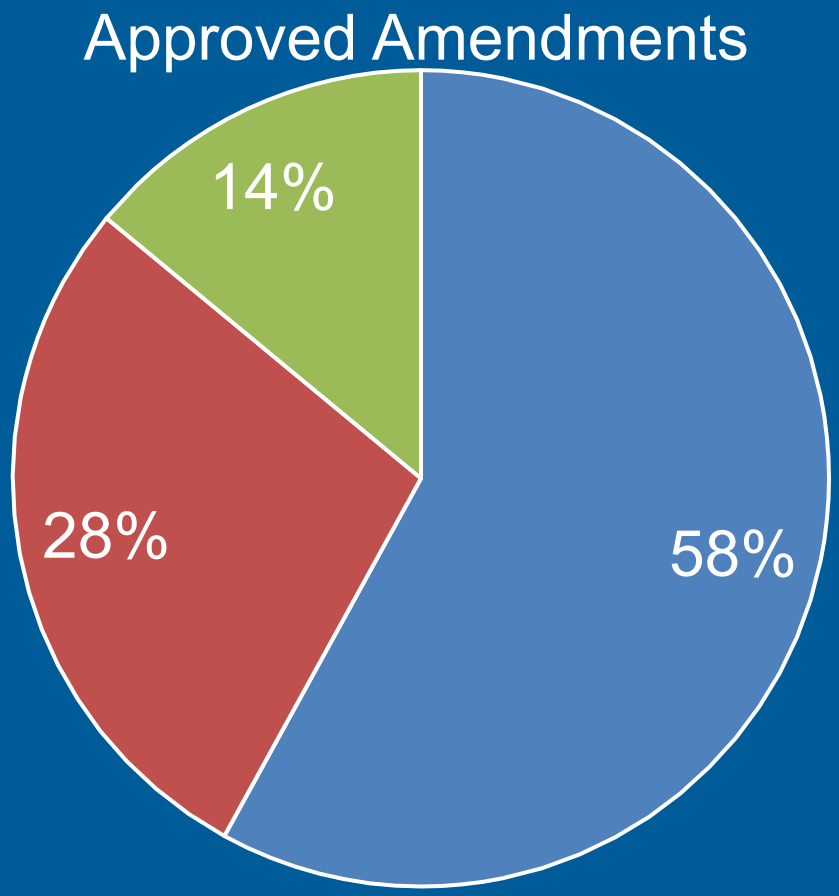
# Current state of contract

- Contract is going on 12th year of service.
- Original contract amount. $1,092,397.00
- (10) CPI adjustments totaling. $339,845.85
- (12) Contract Amendment totaling. $507,985.45
- Current contract amount. $1,940,228.30

The contract is primarily funded through the Parks division budget within the general fund and additionally supported by (6) other budget line items:

- Right of Ways maintenance (Parks)
- Grounds maintenance (Parks)
- TIF Fund
- Lift Station/Wastewater
- Water Distribution
- Nova Landfill
- Airport
- Airport Business Park

# Breakdown of amendments




(12) contract amendments have been approved by City Commission

# Consumer Price Index

1. 2014, 2.07% = $24,857.31
2. 2015, 1.95% = $24,625.64
3. 2016, 1.00% = $14,260.12
4. 2017, 1.68% = $23,624.85
5. 2018, 2.87% = $44,061.31
6. 2019, 1.66% = $26,828.40
7. 2020, 0.64% = $10,613.93
8. 2021, 2.64% = $44,745.54
9. 2022, 4.00% = $70,686.70
10. 2023, 2.97% = $55,552.05
11. 2024, 2.80% = $54,326.39 *(Pending Approval)*



(10) CPI Adjustments have been approved by City Commission.

*CPI is capped at 4% regardless of actual CPI %, note 2022 CPI.

# Overview of services

***General tasks & responsibilities include:***

- Mowing
- Edging
- String trimming
- Blowing off of all hard surfaces
- Debris & trash pickup
- Weed control
- Detail landscaping
- Irrigation testing, parts & repair
- Palm pruning
- Tree pruning (up to 7’6 in height)
- Mulch
- Annual flowers
- Pest Control & prevention
- Fertilization

The Grounds Maintenance Contract provides mowing and grounds maintenance services to over **375** sites for the City of Ormond Beach.




*This contract does not include any installation of new landscaping.*

# Contractor Resources

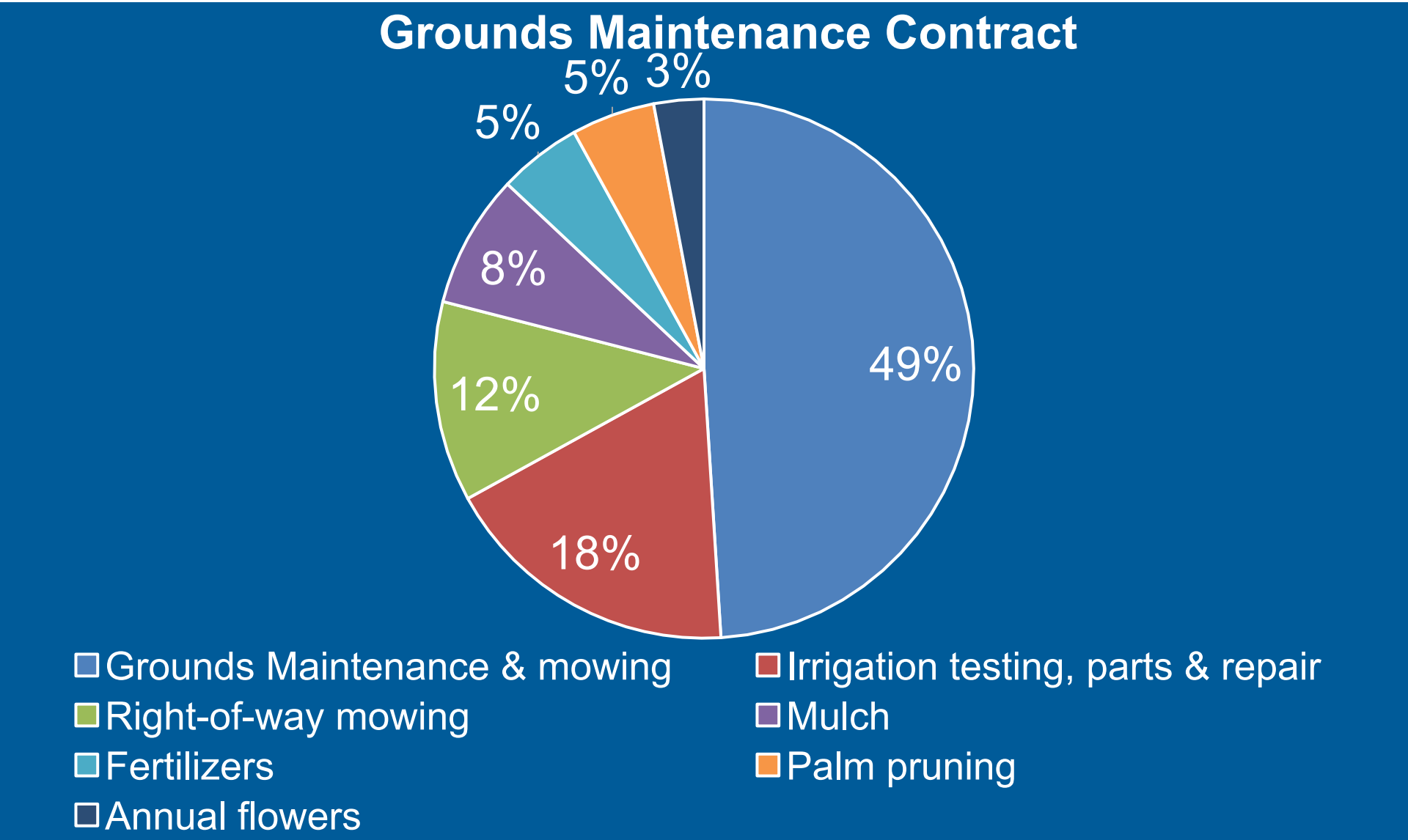
- To meet the demands, the current contractor provides 17 full time staff members throughout the year.
- The corporate office in Daytona Beach also employs several support personnel such as arborists, irrigation specialists, pest-control specialist, landscape architects, consultants and other industry experts.
- Operate - (5-6) days per week, (52) weeks per year.

The contractor also provides several sub-contractors to assist in various rolls.

- Mowerks - rights-of-way bulk mowing.
- Bloom Masters - annual flower grower & installer.
- Cutting Edge tree service – palm pruning.
- Mulch for You – mulch supplier & installer.



# Breakdown of service contract



# Mowing Services

- Mowing activities are performed at parks, facilities, medians, infrastructure sites & right-of-ways.
- Mowing services are separated into 2 large groups.
  - Grounds maintenance & mowing.
  - Right-of-way mowing.

Maintenance Classes:

- Designated for all locations within the contract.

  Class “A” = 39 services per year.
  Class “B” = 29 services per year.
  Class “C” = 16 services per year.
  Class “D” = 11 services per year.



# Irrigation Services

- Contractor is responsible for the entire irrigation system.
- Irrigation system includes all heads, pipes, valves, rain sensors, other components and controllers.
- All irrigation zones require, at minimum, monthly testing & inspections.

Irrigation maintenance:

- Monthly irrigation zone testing (727) x 12 = 8,724 zones tested per year.
- Irrigation Repair (Labor) - City Wide 4,000 hours.
- Irrigation Repair (Parts & Materials) – $25,000 annually.



# Palm & tree pruning

- Palm pruning is performed only in specifically designated parks, facilities, FDOT highway medians and downtown streetscapes.
- City of Ormond Beach has tens of thousands of palm trees.
- Contract calls for 1,877 palms to be pruned.

Palm varieties & quantities that are pruned:

- (1000) Sable palms.
- (542) Medjool/Canary palms that receive 2 pruning per year (1,084 total).
- (191) Reclinata multi-trunk palms.
- (64) Queen palms 4 pruning per year (256 total).
- (80) Mexican Fan palms.

Other tree pruning:

- Contractor is responsible to keep a clear trunk height of 7’6 to avoid sidewalk, parking lot and entrance way obstructions.
- Maintain Crape Myrtles (268), on State Highway medians, to FDOT standards (16’ or within curb lines).
- Other tree pruning is performed by City’s Urban Forestry Division.

# Mulch

Application process:

- All mulched areas are replenished once per year.
- Approximately 1 inch replenishment is added to existing mulch.
- City mandates a total depth of mulch between 3 inches and 4 inches.
- Contractor is responsible to remove mulch if it exceeds 4 inches in depth and/or add additional mulch if deficit is below 3 inches.

Types: (4) different types

- Hardwood
- Pine bark
- Pine straw
- ADA safe playground mulch



# Fertilization, disease, insect and weed control

- *Turf grasses* - (St. Augustine and Zoysia) shall be fertilized (2) times per year.
- *Shade & ornamental trees, shrubs and groundcover* – shall be fertilized (1) time per year.
- *Palm trees* - Medjool palms shall receive a complete granular fertilizer formulated for palms.
- *Disease and insect control* - Contractor is responsible for the control & identification of any insect or disease causing pest.
- *Weed control* - combination of manual removal and herbicides are utilized.

*All processes are completed by licensed applicators.*
*Following all Local, State and Federal laws.*
*Slow-release Nitrogen products are used.*
*Adhere to rainy season blackout periods June-Sept.*



# Annual Flowers

The contractor shall purchase, deliver and furnish all materials, labor and necessary soil amendments for the installation and replacement of annual flowers.

- Quarterly schedule at 8,530 flowers per install.

  January - March
  April - June
  July - September
  October – December

Total flowers installed annually= 34,120



# Storm Damage Cleanup

- The contractor must fully cooperate with the City in the clean-up of determined sites after a storm.
- Contractor shall be reimbursed for the actual documented costs.
- Contractor has provided: staff, equipment, machinery, supplies and extra fuel, on stand-by, in advance of the storm that was anticipated to cause damages.



# Comparison

- Periodically staff researches with neighboring communities to assess our grounds maintenance contract.
- Some services performed in our grounds maintenance contract are near or below market value.

Percent ranges that are favorable towards our grounds maintenance services:

- Labor rate 5-6.5%
- Irrigation Labor 35-41%
- Irrigation materials 30-44%
- Mulch 10-17%
- Palm pruning 15-30%
- Bulk mowing 15-20%

# Questions?

# Thank You!

**MINUTES**
**CITY OF ORMOND BEACH**
**YELLOWSTONE LANDSCAPE GROUNDS MAINTENANCE WORKSHOP**

| August 20, 2024 | 5:30 p.m. | City Commission Conference Room |
|---|---|---|

## I. CALL TO ORDER

Mayor Bill Partington called the meeting to order at 5:32 p.m.

Present: Mayor Bill Partington, Commissioners Lori Tolland, Travis Sargent, Susan Persis, and Harold Briley, City Manager Joyce Shanahan, Assistant City Manager Claire Whitley, Assistant City Manager Shawn Finley, City Attorney Randy Hayes, Assistant Leisure Services Director Stefan Sibley, Contracts Manager Mike Demchak.

## II. DISCUSSIONS

Ms. Joyce Shanahan, City Manager, stated when the Yellowstone Landscape (Yellowstone) contract was signed, the city created a Contracts Manager position to help manage the contract due to the size and requirements of the contract. She reviewed the work the Contracts Manager, Mike Demchak, completed on a regular basis and reports of what was being completed by the contractor.

Mr. Demchak reviewed the history of the contract, noting 2024 was year 12 of the contract with Yellowstone. He discussed the history of monetary modifications to the contract, contract amendments, and current funding.

Commissioner Briley inquired if the original contract included recreation fields; whereby, Mr. Demchak stated it did not, noting the fields were on a separate contract.

Mr. Demchak reviewed the 12 amendments; noting 58 percent of the amendments were due to upgraded sites, 28 percent were new sites, 14 percent were due to initial contract adjustments. He discussed the Consumer Price Index (CPI) price adjustments, and the maximum Yellowstone could request. He reviewed an overview of services provided by Yellowstone, noting the contract did not include the installation of new landscaping. He discussed the staffing requirements of Yellowstone, the breakdown of the contract based on services provided, mowing schedule based on site classifications, irrigation maintenance, and tree pruning's. He reviewed the Florida Department of Transportation requirements for landscaping and tree pruning.

Commissioner Tolland inquired about the level of service across all palm trees when they get pruned; whereby, Mr. Demchak stated there were standards in place that would be followed by Yellowstone, noting they cut all dead palm fronds while attempting to maintain a full look.

Mr. Demchak discussed the mulch services provided by Yellowstone.

Commissioner Sargent inquired if the city could switch to native plants and other native ground coverings that would require less watering and maintenance; whereby, Mr. Demchak stated that would be a capital project, noting Yellowstone was in favor of native plants and turf to ease maintenance and watering. Mr. Demchak noted the main challenge

would be the medians, if there was an incident that ruined the native coverings and plants, it would be time consuming and expensive to repair.

Ms. Shanahan inquired if there was a cost difference between grass and mulch; whereby, Mr. Demchak stated there was not a significant cost difference.

Mr. Demchak reviewed the fertilization, insect, and weed control aspects of the contract.

Commissioner Persis inquired about the fertilizer utilized; whereby, Mr. Demchak reviewed the products and the impact on the environment.

Commissioner Tolland asked about invasive plant removal; whereby, Mr. Stefan Sibley, Assistant Leisure Services Director, explained there was a $25,000 budget for Brazilian Pepper plant removal. He noted Yellowstone would work with the City's Landscape Architect, Cara Culliver, and Environmental Discovery Center Recreation Coordinator, Sarah Garcia, to identify and remove.

Mr. Demchak reviewed the flower replacement schedule, noting the flowers were for seasonal flare.

Commissioner Tolland inquired about the funds budgeted for the seasonal flowers (pop flowers) and questioned if the city ever considered making the areas smaller and replacing with native plants; whereby, Mr. Demchak noted there was about $60,000 budgeted annually for the pop flowers and noted staff would need to look into flowers that would not lose their luster to maintain the curb appeal.

Mayor Partington expressed support of the pop flowers and noted he would support doubling the budget for them as they help create a sense of place.

Mr. Demchak discussed Yellowstone's contributions to storm and hurricane cleanup efforts. He reviewed the contract compared to other municipalities landscaping contracts. He noted the CPI adjustments are keeping the contract at or below market value, which benefits the city.

Commissioner Sargent stated he would be supportive to see more native plantings compared to mulch.

Ms. Shanahan clarified there was support to move forward with renewing the Yellowstone contract; whereby, the entire Commissioner agreed.

Commissioner Tolland expressed gratitude towards Mr. Demchak for all his hard work.

Mr. Demchak shared a story of Yellowstone going above and beyond for the city when there was an irrigation issue at the Tennis Center.

Ms. Shanahan commended Mr. Demchak for his work and knowledge.

## III. ADJOURNMENT

The meeting was adjourned at 6:17 p.m.

Prepared by: Taylor Lochert

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 7.Z. |
| **Section** | CONSENT AGENDA | **Category** | Consent - Disposition Item |
| **Subject** | City Manager's Monthly Report, July 2025 | | |
| **Recommended Action** | This report is for informational purposes. Additional information provided upon request. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | City Manager<br>Joyce Shanahan, City Manager | | |


Summary

The following reports provide information regarding the City's finances and capital improvement projects, building permits and development activity, and economic development activities and trends. (Reporting dates may vary since tracking and reporting periods may vary based on the subject.)


Financial Impact

None

Citizen Impact

None

Attachments

1. Financial Status Report - May 2025
2. Capital Improvements Projects, Status Report - June 2025
3. Economic Development Report - June 2025
4. Development Activity Report - June 2025
5. Building Permit Activity - June 2025

# Monthly Financial Status Report
# May 2025

This report provides the City Commission with an update of the financial status of the City's operating funds. The purpose of the report is to identify any significant variances from the adopted budget and to identify any adverse trends and their implications for the current and future years' budgets.

The first table following this introduction provides a summary of the revenues and expenditures to date by fund. Additional detail by fund type is provided in subsequent tables.

Revenues at or above 67% benchmark is favorable, while expenses at or below the 67% benchmark is also favorable.

**The airport fund has revenue and expense impacts from FAA grants.**
**The Impact Fee funds experienced an increase in revenue due to new subdivisions.**

## Budget Summary

## General Fund Revenues

| Fund | Final Budget | YTD Actual Revenues | YTD % | YTD Actual Expenses | YTD % |
|---|---|---|---|---|---|
| 001 - General Fund | 49,185,112 | 34,325,836 | 70% | 31,154,296 | 63% |
| 104 - Community Redevelopment | 1,822,138 | 1,769,399 | 97% | 1,361,137 | 75% |
| 106 - Ormond Crossing | 346,798 | 331,673 | 96% | - | 0% |
| 107 - Stormwater | 3,434,247 | 1,770,275 | 52% | 3,844,568 | 112% |
| 108 - Airport | 369,418 | 370,756 | 100% | 496,272 | 134% |
| 109 - Local Law Enforcement Trust Fund | - | 209,479 | 0% | - | 0% |
| 110 - Economic Development Fund | - | 1,008,884 | 0% | 2,131,881 | 0% |
| 115 - Recreation Facility Fee | 57,225 | 29,573 | 52% | 26,533 | 46% |
| 205 - Financing Debt Service | 660,000 | 906,664 | 137% | 291,184 | 44% |
| 220 - Debt Service GOB 2010 | 346,322 | 337,591 | 97% | 32,973 | 10% |
| 301 - General Capital Improvement | 4,999,383 | 497,811 | 10% | 1,149,696 | 23% |
| 302 - General Equipment & Vehicle | 407,000 | 312,852 | 77% | 221,423 | 54% |
| 305 - Public Safety Vehicle & Equip | 888,000 | 869,846 | 98% | 599,121 | 67% |
| 308 - Transportation | 2,159,976 | 1,184,797 | 55% | 666,222 | 31% |
| 310 - Recreation Impact Fee | 100,000 | 469,371 | 469% | - | 0% |
| 316 - Local Roads Impact Fee | 50,000 | 191,764 | 384% | - | 0% |
| 317 - Facilities Renewal & Replacement | 879,126 | 904,538 | 103% | 1,057,306 | 120% |
| 318 - Stormwater Impact Fee | 50,000 | 6,682 | 13% | - | 0% |
| 319- Police Impact Fees | - | 46,152 | 0% | - | 0% |
| 320- Fire Impact Fees | - | 56,551 | 0% | - | 0% |
| 322 - Leisure Services Capital Fund | 954,116 | 980,016 | 103% | 891,498 | 93% |
| 401 - Water/Wastewater Operating Fund | 26,307,887 | 14,966,483 | 57% | 16,763,557 | 64% |
| 408 - Water/Wastewater E&V Fund | 850,000 | 182,501 | 21% | 286,551 | 34% |
| 409 - Water/Wastewater Capital | 12,346,951 | 2,488,639 | 20% | 4,457,634 | 36% |
| 414 - Water/Wastewater Consolidated Debt | 4,924,000 | 3,282,664 | 67% | 877,022 | 18% |
| 433 - Reuse Impact Fee Fund | - | 9,831 | 0% | | 0% |
| 434 - Water Impact Fee | 700,000 | 751,309 | 107% | 31,115 | 4% |
| 435 - Wastewater Impact Fee | 675,000 | 1,029,903 | 153% | 189,748 | 28% |
| 446 - 2024 W&S Bond Projects | - | 146,451 | 0% | 2,060,699 | 0% |
| 460 - Solid Waste | 13,407,304 | 8,754,068 | 65% | 10,011,063 | 75% |
| 502 - Workers Compensation | 1,851,612 | 538,693 | 29% | 1,089,408 | 59% |
| 504 - General Liability | 2,905,253 | 2,412,204 | 83% | 1,866,545 | 64% |
| **Total** | **$ 131,976,868** | **$ 81,143,431** | **61%** | **$ 81,557,451** | **62%** |

**Ad valorem Taxes** – Annual revenue is estimated at $21,823,639 and is based on the taxable value ($5.49 billion) and the operating millage (4.096). Year to date we have received $17.4 million.

**Utility Taxes** – The City levies a utility tax of 10% on electric and gas sales. To date $3 million has been received.

**Communication Taxes** – Communication service taxes collected as of May amount to $958,000.

**Business Tax** – Business tax collections amounted to $89,427. The majority of business taxes are collected in the last quarter of the fiscal year.

**Licenses, Permits and Franchise Fees** – This revenue source includes building permits, plan review and franchise fees. franchise fee agreements require electric and natural gas providers to remit 6% of gross sales to the City. Payments often occur several months after they are collected by providers. Collections through May 2025 are $2.9 million.

**Intergovernmental** – This revenue source includes municipal revenue sharing and sales tax. Through May, the City received a total of $2.76 million in this category.

**Charges for Services** – This category includes Leisure Services user charges and additional revenue from contracts for right of way mowing, traffic signal maintenance, and street lighting. The City received $632,000 in this category through May.

**Fines and Forfeitures** – Traffic, code enforcement, and court fines make up this revenue category. Revenues were $28,432 as of May.

**Miscellaneous Revenue** – Interest and internal service charges for Fleet and Engineering are included in this revenue category. Revenues collected were $2 million.

**Transfers In** – Transfers have been recorded in the amount of $4.57 million through May.

**General Fund Revenues - May 2025**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Property Tax | $ 18,485,823 | $ 17,358,128 | $ 1,127,695 | 93.9% | $15,459,197 | $ 1,898,931 | 12.28% |
| Utility Taxes | 5,215,000 | 3,045,756 | 2,169,244 | 58.4% | 3,077,595 | (31,839) | -1.03% |
| Communication Tax | 1,750,000 | 957,786 | 792,214 | 54.7% | 905,617 | 52,169 | 5.76% |
| Business Tax | 283,500 | 89,427 | 194,073 | 31.5% | 51,753 | 37,674 | 72.79% |
| Licenses, Permits & Fees | 5,376,350 | 2,865,855 | 2,510,495 | 53.3% | 3,329,344 | (463,489) | -13.92% |
| Intergovernmental | 5,162,000 | 2,758,178 | 2,403,822 | 53.4% | 2,995,887 | (237,709) | -7.93% |
| Charges for Services | 864,638 | 632,295 | 232,343 | 73.1% | 670,776 | (38,481) | -5.74% |
| Fines & Forfeitures | 73,000 | 28,432 | 44,568 | 38.9% | 37,952 | (9,520) | -25.08% |
| Miscellaneous Revenues | 3,856,857 | 2,021,348 | 1,835,509 | 52.4% | 1,443,625 | 577,723 | 40.02% |
| Transfers In | 6,852,944 | 4,568,632 | 2,284,312 | 66.7% | 3,806,208 | 762,424 | 20.03% |
| Use of Fund Balance | 1,265,000 | - | 1,265,000 | 0.0% | - | - | 0.00% |
| | $ 49,185,112 | $ 34,325,836 | $ 14,859,276 | 69.8% | $ 31,777,954 | $ 2,547,882 | 8.0% |

**General Fund Reserve** – This category includes commitments made in the current fiscal year by the City Commission by resolution or Commission comments at the City Commission meeting.

| Purpose | Amount | CC Meeting/ Approval Date | Comments |
|---|---|---|---|
| New Police Station & EOC | $558,000.00 | 1/21/2025 | Transfer to Fund 301 Reso 2025-29 |
| Andy Romano Seawall & ADA Ramp | $268,000.00 | 3/4/2025 | Transfer to Fund 301 Reso 2025-63 |
| Ormond Tennis Center Court Resurfacing (Milton) | $75,000.00 | 1/21/2025 | Transfer to Fund 317 Reso 2025-36 |
| Nova Comm Center Activity Room | $65,000.00 | 3/4/2025 | Transfer to Fund 317 Reso 2025-66 |
| Magic Forest Playground | $65,000.00 | 3/4/2025 | Transfer to Fund 317 Reso 2025-65 |

## General Fund Expenditures

**Personnel Services** - This category includes wages and benefits paid by the City. Personnel services account for $31.66 million of the General Fund gross budget. Expenditures through May were $19.73 million.

**Operating Expenditures** - This category includes $14.75 million for maintenance contracts, utilities, tools, fuel, insurance, supplies and contracts for service with community agencies. Through May, $9.9 has been spent.

**Grants and Aids** - This category includes contributions made to not for profit organizations which were budgeted at $188,528. $134,449 has been expended year to date.

**Transfers Out** – The budget for transfers from the General Fund to other funds is $2 million with $1.4 million made through May.

# Financial Status Report:
# May 2025

## General Fund Expenditures - May 2025

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| City Commission | $ 448,925 | $ 268,628 | $ 180,297 | 59.8% | $254,067 | $ 14,561 | 5.73% |
| City Administration | 903,986 | 753,477 | 150,509 | 83.4% | 536,954 | 216,523 | 40.32% |
| Support Services | 473,841 | 297,283 | 176,558 | 62.7% | 289,121 | 8,162 | 2.82% |
| City Attorney | 1,304,609 | 852,023 | 452,586 | 65.3% | 941,392 | (89,369) | -9.49% |
| **Legislation & Policy** | 3,131,361 | 2,171,412 | 959,949 | 69.3% | 2,021,534 | 149,878 | 7.41% |
| Finance | 1,200,017 | 672,608 | 527,409 | 56.0% | 768,529 | (95,921) | -12.48% |
| Information Technology | 2,364,333 | 1,961,822 | 402,511 | 83.0% | 1,378,567 | 583,255 | 42.31% |
| Human Resources | 730,163 | 387,423 | 342,740 | 53.1% | 373,212 | 14,211 | 3.81% |
| Planning | 873,037 | 511,645 | 361,392 | 58.6% | 515,232 | (3,587) | -0.70% |
| Building Inspections | 1,567,364 | 917,430 | 649,934 | 58.5% | 865,602 | 51,828 | 5.99% |
| Police Administration | 1,434,844 | 850,465 | 584,379 | 59.3% | 712,247 | 138,218 | 19.41% |
| Police Operations | 8,313,572 | 5,318,932 | 2,994,640 | 64.0% | 5,231,787 | 87,145 | 1.67% |
| Community Outreach | 666,040 | 360,799 | 305,241 | 54.2% | 371,679 | (10,880) | -2.93% |
| Criminal Investigations | 1,571,364 | 1,077,304 | 494,060 | 68.6% | 1,040,713 | 36,591 | 3.52% |
| Community Services | 470,374 | 308,246 | 162,128 | 65.5% | 300,267 | 7,979 | 2.66% |
| Records | 197,910 | 127,393 | 70,517 | 64.4% | 123,632 | 3,761 | 3.04% |
| Neighborhood Impr. | 524,896 | 332,233 | 192,663 | 63.3% | 234,377 | 97,856 | 41.75% |
| **Police** | 13,179,000 | 8,375,371 | 4,803,629 | 63.6% | 8,014,701 | 360,670 | 4.50% |
| Fire | 8,202,046 | 5,123,819 | 3,078,227 | 62.5% | 5,071,176 | 52,643 | 1.04% |
| Streets | 2,826,514 | 1,591,465 | 1,235,049 | 56.3% | 1,587,581 | 3,884 | 0.24% |
| Engineering | 1,329,783 | 824,949 | 504,834 | 62.0% | 778,443 | 46,506 | 5.97% |
| Fleet | 1,900,237 | 1,280,643 | 619,594 | 67.4% | 1,128,838 | 151,805 | 13.45% |
| **Public Works** | 6,056,534 | 3,697,057 | 2,359,477 | 61.0% | 3,494,862 | 202,195 | 5.79% |
| Economic Development | 437,322 | 290,795 | 146,527 | 66.5% | 225,262 | 65,533 | 29.09% |
| Building Maintenance | 1,046,146 | 682,680 | 363,466 | 65.3% | 699,387 | (16,707) | -2.39% |
| Administration | 879,360 | 573,027 | 306,333 | 65.2% | 513,689 | 59,338 | 11.55% |
| Nova Recreation | 442,484 | 329,130 | 113,354 | 74.4% | 260,228 | 68,902 | 26.48% |
| S. Ormond Neigh. Center | 422,968 | 201,915 | 221,053 | 47.7% | 243,334 | (41,419) | -17.02% |
| Athletic Fields Mnt. | 1,807,636 | 1,044,394 | 763,242 | 57.8% | 1,058,653 | (14,259) | -1.35% |
| Parks | 2,706,533 | 1,778,624 | 927,909 | 65.7% | 1,711,652 | 66,972 | 3.91% |
| Environmental Learning | 272,782 | 142,576 | 130,206 | 52.3% | 134,992 | 7,584 | 5.62% |
| The Casements | 389,473 | 280,201 | 109,272 | 71.9% | 294,017 | (13,816) | -4.70% |
| Performing Arts Center | 385,975 | 272,287 | 113,688 | 70.5% | 229,939 | 42,348 | 18.42% |
| Senior Center | 119,839 | 96,842 | 22,997 | 80.8% | 56,396 | 40,446 | 71.72% |
| Community Events | 287,632 | 188,087 | 99,545 | 65.4% | 109,156 | 78,931 | 72.31% |
| **Leisure Services** | 8,760,828 | 5,589,763 | 3,171,065 | 63.8% | 5,311,443 | 278,320 | 5.24% |
| Grants & Aid* | 91,528 | 68,615 | 22,913 | 75.0% | 62,615 | 6,000 | 9.58% |
| Transfers | 2,079,813 | 1,386,536 | 693,277 | 66.7% | 1,098,720 | 287,816 | 26.20% |
| Contingency | 511,766 | - | 511,766 | 0.0% | - | - | 0.00% |
| | $ 49,185,112 | $ 31,154,296 | $ 18,030,816 | 63.3% | $ 29,201,456 | $ 1,952,840 | 6.69% |

## Downtown Redevelopment Trust

**Revenues** – Budgeted revenues are comprised of City, County, Hospital, and special district property taxes levied on property within the Downtown Redevelopment boundaries and amount to $1.82 million, including $700,000 in transfers into this fund. $1.8 million has been received as of May. The growth in miscellaneous income is due to the increase of interest.

**Expenditures** – A total of $1.4 million has been expended for capital projects and service contracts (Ormond Main Street and property improvement grants).

**Downtown Redevelopment Fund Revenues - May 2025**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Grant | $ - | $ - | $ - | 0.0% | $ - | $ - | 0.0% |
| Local Units | 1,121,241 | 1,232,025 | (110,784) | 109.9% | 906,892 | 325,133 | 35.9% |
| Miscellaneous | 500 | 70,445 | (69,945) | 14089.1% | 81,086 | (10,641) | -13.1% |
| Transfers In | 700,397 | 466,928 | 233,469 | 66.7% | 435,160 | 31,768 | 7.3% |
| Use of Fund Balance | - | - | - | 0.0% | - | - | 0.0% |
| | $ 1,822,138 | $ 1,769,399 | $ 52,739 | 97.1% | $ 1,423,138 | $ 346,261 | 24.33% |

**Downtown Redevelopment Fund Expenditures**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Planning | $ 71,050 | $ 78,375 | $ (7,325) | 110.3% | $35,350 | $ 43,025 | 121.7% |
| Public Works | 148,021 | 339,900 | (191,879) | 229.6% | 88,781 | 251,119 | 282.9% |
| Grants | 200,000 | - | 200,000 | 0.0% | - | - | 0.0% |
| Leisure Services | 290,035 | 942,861 | (652,826) | 325.1% | 238,555 | 704,306 | 295.2% |
| Contingency | 1,113,032 | - | 1,113,032 | 0.0% | - | - | 0.0% |
| | $ 1,822,138 | $ 1,361,137 | $ 461,001 | 74.7% | $ 362,686 | $ 998,451 | 275.29% |

## Stormwater Fund

**Revenues** – The primary revenue source is stormwater user fees. User fees were budgeted at $2.58 million with $1.6 million received through May 2025 along with $94,523 in miscellaneous income.

**Expenditures** – The budget for stormwater expenses is $3.4 million with $3.8 million spent to date.

**Stormwater Fund Revenues - May 2025**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Grants | $ - | $ - | $ - | 0.0% | $ - | $ - | 0.00% |
| Stormwater Fees | 2,575,000 | 1,607,393 | 967,607 | 62.4% | 1,735,033 | (127,640) | -7.36% |
| Miscellaneous | 100,000 | 94,523 | 5,477 | 94.5% | 120,896 | (26,373) | -21.81% |
| Intergovernmental | - | 68,359 | - | 0.0% | - | 68,359 | 0.00% |
| Use of Fund Balance | 759,247 | - | 759,247 | 0.0% | - | - | 0.00% |
| | $ 3,434,247 | $ 1,770,275 | $ 1,732,331 | 51.5% | $ 1,855,929 | $ (85,654) | -4.62% |

**Stormwater Fund Expenditures**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2024-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Maintenance | 2,943,118 | 3,657,584 | (714,466) | 124.3% | 1,394,409 | 2,263,175 | 162.30% |
| Engineering Support | $ 210,664 | - | $ 210,664 | 0.0% | - | $ - | 0.00% |
| Transfers Out | 280,465 | 186,984 | 93,481 | 66.7% | 169,238 | 17,746 | 10.49% |
| Contingency | - | - | - | 0.0% | - | - | 0.00% |
| | $ 3,434,247 | $ 3,844,568 | $ (410,321) | 111.9% | $ 1,563,647 | $ 2,280,921 | 145.87% |

## Water and Wastewater Fund

**Revenues** – The primary revenue sources are water and sewer user fees. User fees were budgeted at $23.5 million with $14.6 million collected year to date. The revenue also includes $450,984 budgeted for transfers, of which $300,664 has been received.

**Expenditures** – Operating expenses for utility billing and water/wastewater public works services is budgeted in the amount of $26.3 million, with $16.8 million expended to date. This total also includes $7.8 million in transfers made through May.

**Water/Wastewater Fund Revenues - May 2025**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Water/Sewer Charges | $ 23,471,000 | $ 14,647,632 | $ 8,823,368 | 62.4% | $14,925,235 | $ (277,603) | -1.86% |
| Miscellaneous | 60,000 | 18,187 | 41,813 | 30.3% | 51,405 | (33,218) | 0.00% |
| Transfers In | 450,984 | 300,664 | 150,320 | 66.7% | 307,864 | (7,200) | -2.34% |
| Intergovernmental | - | | - | 0.0% | 22,982 | (22,982) | -100.00% |
| Use of Fund Balance | 2,325,903 | - | 2,325,903 | 0.0% | - | - | |
| | $ 26,307,887 | $ 14,966,483 | $ 11,341,404 | 56.9% | $ 15,307,486 | $ (341,003) | -2.23% |

**Water/Wastewater Fund Expenditures**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Utility Billing | $ 1,698,991 | $ 1,118,908 | $ 580,083 | 65.9% | $1,226,068 | $ (107,160) | -8.74% |
| Water Production | 5,175,140 | 3,081,942 | 2,093,198 | 59.6% | 3,198,373 | (116,431) | -3.64% |
| Water Distribution | 1,720,373 | 1,178,140 | 542,233 | 68.5% | 1,053,797 | 124,343 | 11.80% |
| Wastewater Treatment | 4,439,203 | 2,541,423 | 1,897,780 | 57.2% | 2,714,142 | (172,719) | -6.36% |
| Wastewater Collection | 1,639,761 | 1,063,286 | 576,475 | 64.8% | 1,100,938 | (37,652) | -3.42% |
| W&S Engineering | - | 23,579 | (23,579) | | - | - | 0.00% |
| Transfers Out | 11,634,419 | 7,756,280 | 3,878,139 | 66.7% | 7,283,656 | 7,756,280 | 106.49% |
| Contingency | - | - | - | 0.0% | - | - | 0.00% |
| | $ 26,307,887 | $ 16,763,557 | $ 9,544,330 | 63.7% | $ 16,576,974 | $ 7,446,660 | 44.92% |

## Solid Waste Fund

**Revenues** – The primary revenue source is solid waste franchise and user fees. To date, $8.75 million has been received.

**Expenditures** – Personnel, operating, capital expenses and transfers budgeted for 2025 are $13.4 million. $10 million has been expended as of May. Year to year variance due to Hurricane expenses.

**Solid Waste Fund Revenues - May 2025**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Franchise Fees | $ 1,864,304 | $ 1,258,549 | $ 605,755 | 67.5% | $1,237,978 | $ 20,571 | 1.66% |
| User Fees | 11,542,000 | 7,473,379 | $ 4,068,621 | 64.7% | 7,668,515 | (195,136) | -2.54% |
| Miscellaneous | 1,000 | 22,140 | $ (21,140) | 2214.0% | 18,242 | 3,898 | 21.37% |
| Intergovernmental | - | - | $ - | 0.0% | 2,050,574 | | 0.00% |
| Use of Fund Balance | - | - | $ - | 0.0% | - | - | 0.00% |
| | $ 13,407,304 | $ 8,754,068 | $ 4,653,236 | 65.3% | $ 10,975,309 | $ (170,667) | -1.56% |

**Solid Waste Fund Expenditures**

| | Final Budget | YTD FY 2024-25 | Remaining Budget | % of Budget | YTD FY 2023-24 | $ FY Variance | % FY Variance |
|---|---|---|---|---|---|---|---|
| Collection & Disposal | $ 8,796,648 | $ 7,938,399 | $ 858,249 | 90.2% | $ 5,718,218 | $ 2,220,181 | 38.83% |
| Recycling | 1,309,300 | 925,416 | 383,884 | 70.7% | 846,902 | 78,514 | 9.27% |
| Engineering | - | - | - | 0.0% | - | - | 0.00% |
| Transfers Out | 1,720,868 | 1,147,248 | 573,620 | 66.7% | 1,139,648 | 7,600 | 0.67% |
| Contingency | 1,580,488 | - | 1,580,488 | 0.0% | - | - | 0.00% |
| | $ 13,407,304 | $ 10,011,063 | $ 3,396,241 | 74.7% | $ 7,704,768 | $ 2,306,295 | 29.93% |

# FY 2024-25 Budget Amendments

| Fund | Description | Revenue Amount | Expenditure Amount | Commission Action |
|---|---|---|---|---|
| **General Fund** | | | | |
| **Revenues** | | | | |
| | Miscellaneous Revenue-Tree Fund | 108,000 | | |
| | Fund Balance | 849,163 | | |
| | | **957,163** | | |
| **Expenditures** | | | | |
| | Transfer to Fund 301-Median Landscaping Upgrades | | 108,000 | Reso 2025-72 5/20/25 |
| | Transfer to Fund 317-Magic Forest Playground | | 65,000 | Reso 2025-65 3/4/25 |
| | Transfer to Fund 317-BPOS-Senior Center | | 2,815 | FEMA MILTON |
| | Transfer to Fund 317-Mold Remidation | | 10,000 | Senior Center Mold |
| | Transfer to Fund 317-Tennis Courts | | 75,000 | Reso 2025-36 1/21/25 |
| | Transfer to Fund 317-Nova Coummunity Center Activity Room Floor | | 65,000 | Reso 2025-66 3/4/25 |
| | Transfer to Fund 301-Police/EOC Design Phase I | | 558,000 | Reso 2025-29 1/21/25 |
| | Transfer to PARKS 00157206.503403 MILTO | | 73,348 | |
| | | | **957,163** | |
| **CRA** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 3,735,949 | | |
| | | **3,735,949** | | |
| **Expenditures** | | | | |
| | Median Landscaping Upgrades | | 114,000 | Reso 2025-72 5/20/25 |
| | Cassen Park Construction | | 2,524,466 | Reso. 2024-207 12/3/24 & 2025-45 2/4/25 & Geotech Work Auth |
| | Year End Purchase Order Carryforward | | 1,097,483 | |
| | | | **3,735,949** | |
| **Ormond Crossings** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 35,000 | | |
| | | **35,000** | | |
| **Expenditures** | | | | |
| | Flyover Bridge Plan | | 35,000 | Reso 2025-64 3/4/2025 |
| | | | **35,000** | |
| **Stormwater** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 2,751,596 | | |
| | | **2,751,596** | | |
| **Expenditures** | | | | |
| | Rio Storm Drain Pipe | | 134,000 | Reso 2025-43 1/21/25 |
| | OBSC Drainage | | 484,500 | Reappropriation from FY 23-24 |
| | 515 Hand Avenue Emergency Repair | | 8,000 | 4/1/2025 |
| | Fleming Avenue Stormwater Improvements | | 176,000 | Reso 2025-56 2/18/25 |
| | Ormond Shores Park Stormwater Repair | | 142,250 | |
| | Year End Purchase Order Carryforward | | 1,806,846 | |
| | | | **2,751,596** | |
| **Airport** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 456,807 | | |
| | FDOT | 109,200 | | |
| | | **566,007** | | |
| **Expenditures** | | | | |
| | Civil Air Patrol Building Utilities | | 24,000 | |
| | Access Gates | | 136,500 | Reso 2025-58 2/18/25 |
| | Year End Purchase Order Carryforward | | 405,507 | |
| | | | **566,007** | |
| **Economic Development Fund** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 11,115 | | |
| | | **11,115** | | |
| **Expenditures** | | | | |
| | Year End Purchase Order Carryforward | | 11,115 | |
| | | | **11,115** | |

# FY 2024-25 Budget Amendments

| Fund | Description | Revenue Amount | Expenditure Amount | Commission Action |
|---|---|---|---|---|
| **Pension Pass Thru** | | | | |
| **Revenues** | | | | |
| | | - | | |
| **Expenditures** | | | | |
| | | | - | |
| **Recreation Facilitiy Fee Fund** | | | | |
| **Revenues** | | | | |
| | | - | | |
| **Expenditures** | | | | |
| | | | - | |
| **Debt Service Fund** | | | | |
| **Revenues** | | | | |
| | | - | | |
| **Expenditures** | | | | |
| | | | - | |
| **General Capital Improvements** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 926,346 | | |
| | Transfer from General Fund-Police EOC | 558,000 | | |
| | Transfer from General Fund-Median Landscaping Upgrades | 108,000 | | |
| | Bond Proceeds | (558,000) | | |
| | Assistance to Firefighters Grant | 34,070 | | |
| | CDBG Grant | 29,919 | | |
| | | **1,098,335** | | |
| **Expenditures** | | | | |
| | Median Landscaping Upgrades | | 108,000 | Reso 2025-72 5/20/25 |
| | ARBFP Seawall Design | | 4,000 | |
| | Ames House Renovation MILTON | | 522,323 | |
| | Police Department HVAC Upgrades | | 5,000 | Reappropriation from FY 2023-24 |
| | Commission Chambers AV Retrofit | | 24,930 | Work Authorization |
| | Commission Chambers AV Retrofit | | 15,000 | Work Authorization |
| | Commission Chambers AV-Additional Work | | 19,000 | Reso 2024-215 12/3/24 |
| | Fortunato Repairs MILTON | | 5,000 | Emergency Procurement |
| | Riviera Park Repairs MILTON | | 5,000 | Emergency Procurement |
| | PAC Bench Replacement | | 3,000 | |
| | Fire Station Alerting System | | 87,000 | Reso 2025-51 2/4/25 |
| | Fire Department Washers/Dryers | | 37,478 | Reso 2024-31 3/4/24 |
| | Hope Place Contribution | | 29,919 | Reso 2025-49 2/4/25 |
| | Engineering & Planning Department Renovation | | 207,000 | Reso 2025-40 3/4/25 |
| | 301271 Additional Unplanned Chamber work that was added much later to the project. | | 13,773 | N/A |
| | Year End Purchase Order Carryforward | | 11,912 | |
| | | | **1,098,335** | |
| **General Capital Vehicle/Equipment** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 116,200 | | |
| | | **116,200** | | |
| **Expenditures** | | | | |
| | Streets Tractor #472 | | 73,000 | Damaged |
| | Inspector Vehicles (#154, 160) | | 6,000 | Additional funding based on actual cost |
| | Pickup #530 | | 26,000 | Additional funding based on actual cost |
| | Dump Truck #252 | | 11,200 | Reso 2025 94 5/20/25 |
| | | | **116,200** | |

# FY 2024-25 Budget Amendments

| Fund | Description | Revenue Amount | Expenditure Amount | Commission Action |
|---|---|---|---|---|
| **Public Safety** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 317,100 | | |
| | Transfer from Fund 504-General Liability Fund | 61,000 | | |
| | | **378,100** | | |
| **Expenditures** | | | | |
| | JAG 24 Project---30552102.505110 License Plate Reader | | **10,100** | Reso#24-178 |
| | EOC Satelite Phones | | 18,000 | Carryforward from FY 2024-25 |
| | Patrol Vehicle P41 | | **61,000** | Damaged |
| | Brush Truck | | **289,000** | Carryforward from FY 2024-25 |
| | | | | |
| | | | **378,100** | |
| **Transportation** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 56,600 | | |
| | | **56,600** | | |
| **Expenditures** | | | | |
| | Transportation Consulting | | 30,000 | Reappropriation from FY 2023-24 |
| | Main Trail Bridge Assessment | | 3,750 | Emergency procurement |
| | Street Lighting | | 8,000 | Street Lighting |
| | Year End Purchase Order Carryforward | | 14,850 | |
| | | | **56,600** | |
| **Facilities R&R** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 309,459 | | |
| | Transfer from General Fund | 217,815 | | |
| | FEMA | 623,450 | | Magic Forest Playground |
| | | **1,150,724** | | |
| **Expenditures** | | | | |
| | PAC Roof Repair | | 34,144 | Reso. 2024-197 |
| | NOVA Floor Demolition 317695 | | 65,000 | Reso 2025-66 3/4/25 |
| | Fire Station 91 Electric Panel Repair | | 18,000 | Emergency Repair |
| | Magic Forest Playground | | 105,000 | Emergency Repair 2/4/25 |
| | Tennis Court Reconstruction | | 600,000 | Reso 2025-36 1/21/25 |
| | Fire Station 92 Bay Floors | | 22,463 | Carryforward from FY 2023-24 |
| | Central Park I Playground | | 19,000 | Carryforward from FY 2023-24 |
| | OBSC Limitless Playground | | 42,000 | Carryforward from FY 2023-24 |
| | Engineering Department Roof | | 48,000 | Carryforward from FY 2023-24 |
| | Nova Sports Complex Shade Structure | | 73,200 | Carryforward from FY 2023-24 |
| | Miscellaneous Park Repairs under $25,000 | | 15,148 | Carryforward from FY 2023-24 |
| | BPOS Roof | | 17,020 | FEMA-Milton |
| | Senior Center Roof | | 5,495 | FEMA-Milton |
| | OBSC Pump Replacements | | 21,000 | Emergency repair |
| | Senior Center Mold Remdiation 317702 | | 15,593 | Mold Senior Center |
| | Senior Center HVAC Replacement 317706 | | 9,663 | |
| | Year End Purchase Order Carryforward | | 39,998 | |
| | | | **1,150,724** | |
| **Leisure Services Capital Revenue** | | | | |
| **Revenues** | | | | |
| | | | | |
| | | - | | |
| **Expenditures** | | | | |
| | | | | |
| | | | - | |
| **WWW Operating** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 50,000 | | |
| | | **50,000** | | |
| | | | | |
| **Expenditures** | | | | |
| | PEP Tanks | | 50,000 | |
| | | | **50,000** | |

# FY 2024-25 Budget Amendments

| Fund | Description | Revenue Amount | Expenditure Amount | Commission Action |
|---|---|---|---|---|
| **WWW Vehicles & Equipment** | | | | |
| **Revenues** | | | | |
| | Transfer from Fund 504-General Liability | 127,000 | | |
| | | **127,000** | | |
| **Expenditures** | | | | |
| | Replace Truck damaged by fallen tree (Milton) | | 38,000 | Reso 2025-43 1/21/25 |
| | Utility Billing Vehicle | | 41,000 | Emergency Procurement |
| | Vehicle for new Locate Position | | 48,000 | Reappropriation from prior year |
| | | | **127,000** | |
| **WWW Capital Impr.** | | | | |
| **Revenues** | | | | |
| | Fund Balance | 4,070,549 | | |
| | HMGP Grant | 68,608 | | |
| | | **4,139,157** | | |
| **Expenditures** | | | | |
| | Sanitary Sewer I & I | | 95,000 | Reso 2025-90 5/6/25 |
| | Williamson Underground | | 497,095 | RESO#2024-183 |
| | 409297 Clarifier | | 46,000 | |
| | Riverside Drive Milton Forcemain 409299 | | 124,775 | RESO#2024-212 |
| | WRF Sunscreen Replacement (MILTON) | | 16,000 | |
| | Consumptive Use Permit Consulting | | 25,000 | |
| | WRF Roof Repairs | | 79,600 | |
| | PEP Tank Reconstruction MILTON | | 333,000 | Reso 2025-41 1/21/25 |
| | PW HVAC SYSTEM | | 23,903 | NONE |
| | Clarifier Covers MILTON | | 55,000 | Reso 2025-42 1/21/25 |
| | A1A Utility Relocate | | 530,000 | Reso 2024-162 |
| | WRF Barscreen Rebuild | | 180,000 | Resp 2024-198 11/6/24 |
| | Lift Station Bypass | | 461,785 | Reso 2025-70 4/1/25 |
| | Raw Water Meter | | 44,000 | Emergency Purchase |
| | 409291 Plant Issues | | 350,000 | Bob Pries Requested for various pumps |
| | Effluent Pumps | | 88,000 | Carryforward from FY 2024-25 |
| | Year End Purchase Order Carryforward | | 1,189,999 | |
| | | | **4,044,157** | |
| **Reclaimed Water Impact Fee Fund** | | | | |
| **Revenues** | | | | |
| | | | | |
| | | - | | |
| **Expenditures** | | | | |
| | | | | |
| | | | - | |
| **Water Impact Fee Fund** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance | 4,554,000 | | |
| | | **4,554,000** | | |
| **Expenditures** | | | | |
| | Hudson Welfield | | 4,554,000 | Reso 2024- 1/7/2025 & Reso 2025-53 2/18/25 |
| | | | **4,554,000** | |
| **Wastewater Impact Fee Fund** | | | | |
| **Revenues** | | | | |
| | Fund Balance | 1,569,113 | | |
| | | **1,569,113** | | |
| **Expenditures** | | | | |
| | Halifax River Forcemain Crossing Design | | 75,000 | Reappropriation from prior year |
| | Riverside Drive Emergency Repair | | 50,300 | |
| | Riverside Drive Force Main Replacement | | 990,000 | Reso 2025-54 2/18/25 |
| | WRF UV Conversion Construction Design | | 13,813 | Reappropriate from prior year |
| | Halifax River Forcemain Crossing | | 440,000 | Reso 2024-164 |
| | | | **1,569,113** | |
| **2024 Water & Wastewater Bonds** | | | | |
| **Revenues** | | | | |
| | Use of Fund Balance (Bond Proceeds) | 11,749,830 | | |
| | | **11,749,830** | | |
| **Expenditures** | | | | |
| | SR40 & Airport Road Forcemain Loop Construction | | 4,525,370 | Reso. 2024-199 |
| | SR40 & Airport Road Forcemain Loop Construction Admin. | | 83,625 | Res. 2024-211 |
| | WRF UV Conversion Construction Admin. | | 7,140,835 | Reso. 2024-149, 2024-150 |
| | | | **11,749,830** | |

# FY 2024-25 Budget Amendments

| Fund | Description | Revenue Amount | Expenditure Amount | Commission Action |
|---|---|---|---|---|
| **General Liability** | | | | |
| **Revenues** | | | | |
| | Fund Balance | 161,510 | | |
| | Reimbursement by Insurance | 38,000 | | |
| | | **199,510** | | |
| **Expenditures** | | | | |
| | Tranfer to Fund 408-Water & Wastewater Vehicle Fund | | 38,000 | Vehicle damaged by fallen tree |
| | Lease Agreement for relocation of Legal Department | | 100,510 | Reso 2025-43 1/21/25 |
| | Transfer to Fund 305-Public Safety Vehicle Fund | | 61,000 | |
| | | | **199,510** | |
| | | **33,245,399** | **33,197,899** | |
| | | **153,366,515** | **153,319,015** | |

# CIP Status Report as of June 30, 2025

| Project Name | Grant Funded | Phase | Timeline | | Budget | | |
|---|---|---|---|---|---|---|---|
| | | | Percent Complete | Date Complete | Budget Amount | Contract Amount | Percent Spent |
| **Fund 104 - TIF** | | | | | | | |
| Cassen Park Improvements-Coleman Goodemote Construction | | Design/Bidding | 100% | | $ 203,000 | $ 202,155 | 100% |
| | | Construction | 64% | | $ 865,000 | $ 2,449,071 | 64% |
| | | Total | | | $ 1,068,000 | $ 2,651,226 | |
| Downtown Upgrades/Impvmts - SR40 Median & Tree Fund Renovation US1-A1A - AM Weigel | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 0% | | $ 120,000 | $ 221,804 | 0% |
| | | Total | | | $ 120,000 | $ 221,804 | |
| Downtown East Granada Utility Undergrounding - Economy Electric | | Design/Bidding | 100% | | $ 20,000 | $ 27,500 | 100% |
| | | Construction | 47% | | $ 100,000 | $ 991,928 | 47% |
| | | Total | | | $ 120,000 | $ 1,019,428 | |
| **Fund 107 - Stormwater** | | | | | | | |
| Fleming Avenue Stormwater Improvements - Built Rite Construction of Central FL | HMGP | Design/Bidding | 100% | | | $ 907,896 | 100% |
| | | Construction | 69% | | | $ 2,249,060 | 69% |
| | | Total | | | $ - | $ 3,156,956 | |
| FY 24/25 Stornwater Construction - Ormond Shores Park SW Pond Repair-GPS Civil Construction | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 0% | | | $ 142,250 | 0% |
| | | Total | | | | $ 142,250 | |
| OBSC SW Pond Expansion | | Design/Bidding | 95% | | $ 64,500 | $ 62,880 | 100% |
| | | Construction | 0% | | $ 420,450 | | |
| | | Total | | | $ 484,950 | $ 62,880 | |
| Fleming Avenue Pump Station & Force Main | HMGP Pending | Design/Bidding | 100% | | | | |
| | | Construction | 0% | | | | |
| | | Total | | | $ - | $ - | |
| **Fund 108 - Airport** | | | | | | | |
| Crosswind Business Park | FDOT | Design/Bidding | 49% | | $ - | $ 211,570 | 49% |
| | | Construction | 0% | | | | |
| | | Total | | | $ - | $ 211,570 | |
| **Fund 110 - Economic Development** | | | | | | | |
| Runway Drive Ph II - JD Weber Construction | FL Commerce & FDOT | Design/Bidding | 100% | | $ 195,000 | $ 104,695 | 100% |
| | | Construction | 100% | 3/12/2025 | $ 1,112,000 | $ 2,855,055 | 100% |
| | | Total | | | $ 1,307,000 | $ 2,959,750 | |
| **Fund 301 - General Fund** | | | | | | | |
| Military Blvd Sidewalk | CDBG | Design/Bidding | 95% | | | In-House | |
| | | Construction | 0% | | | | |
| | | Total | | | $ - | $ - | |
| Division Avenue Sidewalk-North Side | CDBG | Design/Bidding | 95% | | | In-House | |
| | | Construction | 0% | | | | |
| | | Total | | | $ - | $ - | |
| Central Park Wood Boardwalk & Concrete Trail | CDBG | Design/Bidding | 95% | | | In-House | |
| | | Construction | 0% | | | | |
| | | Total | | | $ - | $ - | |
| Engineering/Planning Renovation - Coleman Goodemote | | Design/Bidding | 87% | | | $ 16,800 | 87% |
| | | Construction | 0% | | $ 250,000 | $ 444,554 | 0% |
| | | Total | | | $ 250,000 | $ 461,354 | |

# CIP Status Report as of June 30, 2025

| Project Name | Grant Funded | Phase | Timeline | | Budget | | |
|---|---|---|---|---|---|---|---|
| | | | Percent Complete | Date Complete | Budget Amount | Contract Amount | Percent Spent |
| **Fund 317 - Facility R & R Fund** | | | | | | | |
| Central Park 1 Playground Equipment Replacement - KorKat | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 100% | 5/1/2025 | $ 40,000 | $ 39,997 | 100% |
| | | Total | | | $ 40,000 | | |
| **Fund 409 - Water/Wastewater System Improvements** | | | | | | | |
| Lift Station Backup Pumps - Thompson Pump & US Water Services Corp | HMGP | Design/Bidding | 100% | | | In-House | |
| | | Construction | 56% | | | $ 455,284 | 56% |
| | | Total | | | $ - | $ 455,284 | |
| 2-In Water Main Replacement Ph IV North Peninsula - Clearwater Solutions | | Design/Bidding | 100% | | $ 200,000 | $ 199,872 | 100% |
| | | Construction | 91% | | $ 2,600,000 | $ 2,503,478 | 91% |
| | | Total | | | $ 2,800,000 | $ 2,703,350 | |
| SR40 WM Loop with FM Addition - JD Weber Construction | FDEP | Design/Bidding | 100% | | $ 75,000 | $ 104,275 | 100% |
| | | Construction | 44% | | $ 6,205,000 | $ 4,525,370 | 44% |
| | | Total | | | $ 6,280,000 | $ 4,629,645 | |
| A1A Utility Relocation - All State Civil Construction | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 72% | | $ - | $ 530,000 | 72% |
| | | Total | | | $ - | $ 530,000 | |
| **Fund 433 - Reuse Impact Fee Fund** | | | | | | | |
| Airport Road Reclaimed Water Main PH 2 | SJRWMD & FDEP | Design/Bidding | 80% | | | In-House | |
| | | Construction | 0% | | | | |
| | | Total | | | | | |
| **Fund 434 & 435 - Water/Wastewater Impact Fee Funds** | | | | | | | |
| Hudson Wellfield Expansion - Hazen Construction | | Design/Bidding | 100% | | $ 300,000 | $ 292,964 | 100% |
| | | Construction | 4% | | $ 1,300,000 | $ 4,317,575 | 4% |
| | | Total | | | $ 1,600,000 | $ 4,610,539 | |
| Halifax River Utility Crossing | | Design/Bidding | 37% | | $ 480,000 | $ 438,614 | 37% |
| | | Construction | 0% | | $ 5,680,000 | | |
| | | Total | | | $ 6,160,000 | $ 438,614 | |
| Septic to Sewer - Oak, Magnolia & Bonita | FDEP | Design/Bidding | 12% | | $ 160,000 | $ 148,079 | 12% |
| | | Construction | 0% | | $ 1,440,000 | | |
| | | Total | | | $ 1,600,000 | $ 148,079 | |
| WRF Ultraviolet Disinfection Conversion - SGS Contracting Services | FDEP (const only) | Design/Bidding | 100% | | $ 270,000 | $ 272,800 | 100% |
| | | Construction | 20% | | $ 2,430,000 | $ 6,904,700 | 20% |
| | | Total | | | $ 2,700,000 | $ 7,177,500 | |
| **Hurricanes IAN & NICOLE - FEMA** | | | | | | | |
| Hurricane Ian - ARBP Seawall - East Coast Marine | | Design/Bidding | 100% | | | $ 93,965 | 100% |
| | | Construction | 0% | | $ - | $ 2,136,309 | 0% |
| | | Total | | | $ - | $ 2,230,274 | |

## CIP Status Report as of June 30, 2025

| Project Name | Grant Funded | Phase | Timeline | | Budget | | |
|---|---|---|---|---|---|---|---|
| | | | Percent Complete | Date Complete | Budget Amount | Contract Amount | Percent Spent |
| **Hurricanes MILTON - FEMA** | | | | | | | |
| Hurricane Milton-Tennis Center Clay Court Resurfacing-J Courts | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 95% | | $ - | $ 600,000 | 0% |
| | | Total | | | $ - | $ 600,000 | |
| Hurricane Milton-Osceola Elementary Pavilion Replacement | | Design/Bidding | 95% | | | In-House | |
| | | Construction | Project on Hold | | $ - | | |
| | | Total | | | $ - | $ - | |
| **Annual Projects Fund 107 - Stormwater** | | | | | | | |
| 2024 Stormwater Pipe Lining - Hinterland Group | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 100% | | $ 950,000 | $ 575,150 | 80% |
| | | Total | | | $ 950,000 | $ 575,150 | |
| **Annual Projects Fund 308 - Transportation** | | | | | | | |
| 2025 Road Resurfacing - Sparks Concrete | | Design/Bidding | 100% | | | In-House | |
| | | Construction | 0% | | $ - | $ 687,577 | 0% |
| | | Total | | | $ - | $ 687,577 | |
| **Annual Projects Fund 409 - Water/Wastewater System Improvements** | | | | | | | |
| 2023 Lift Station Rehabilitation - 4P | | Design/Bidding | 85% | | $ 165,000 | $ 164,612 | 82% |
| | | Construction | 0% | | | | |
| | | Total | | | $ 165,000 | $ 164,612 | |

# Economic Development Monthly Report

June 2025

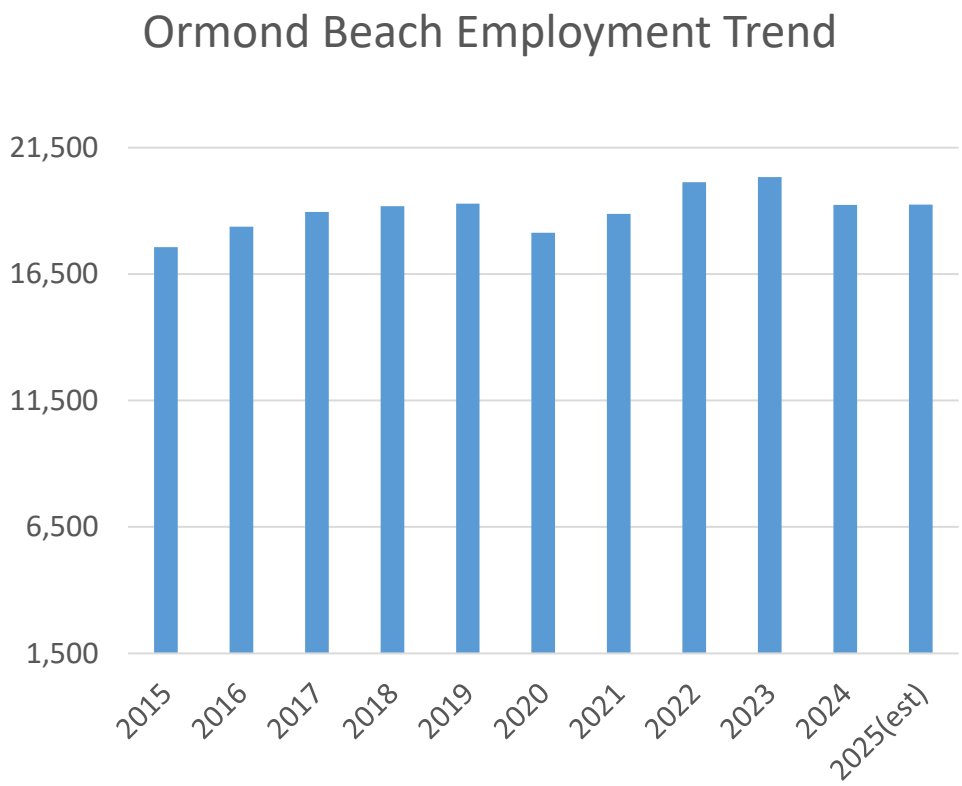
Ormond Beach
May Employment

19,251

Down .1% year over year

Ormond Beach
Unemployment Rate

3.7%




## Notes and Updates:

- **Employment for May** was 19,251 down 0.1% from the same month last year. Employment is up 75 jobs since January. There were 519 job postings in May – leading industries posting Health Care, Retail Trade, Admin Support Services, Leisure/Hospitality and Professional/Scientific Services.

- **In May, the City** issued 21 BTR, 17 for commercial businesses and 4 for home occupations.

- **Ormond Beach appears** at 162 out of 859 cities in a US World Report's 'Best Places to Live' a ranking that weighed five categories: quality of life, job market, value of living, net migration and desire to live in the area. Living in Ormond Beach, FL | U.S. News

- **Forecast: State's economy is strong**, but some bumps in the road ahead, Florida's economy is on solid footing and projected growth over the next five years seems promising, but net migration to Florida will begin to slow, according to the latest economic forecast from Florida TaxWatch. The 2024 to 2030 outlook projects some promising figures, but there are also cautionary signs in the detailed analysis. You can read the full report here.

# CITY OF ORMOND BEACH COMMERCIAL AND RESIDENTIAL DEVELOPMENT REPORT

## Legend

- Residential Sites
- Commercial Sites
- Utility Provider Only

| RESIDENTIAL PROJECTS | |
|---|---|
| A | 121 East |
| B | 40 North Beach Street |
| C | Archers Mill Phase 3 |
| D | Archers Mill Phase 4 |
| E | Archers Mill Phase 5 |
| F | Bradford Lakes |
| G | Bradford Park |
| H | Enclave |
| I | Fountain View - Amenity Center |
| J | Fountain View Phase 1C |
| K | Fountain View Phase 1D |
| L | Fountain View Phase 1E |
| M | Fountain View Phase 1F |
| N | Ormond Crossings Forcemain Extension |
| O | Ormond Crossings Phase 1 |
| P | Ormond Crossings - Reclaim Water |
| Q | Ormond Crossing/Tymber Creek Flyover |
| R | Ormond Crossings Watermain Extension |
| S | Ormond Enclave |
| T | Plantation Oaks - 2C |
| U | Plantation Oaks - 2D |
| V | Regal Multifamily |
| W | Ridgehaven Amenity Center |
| X | Rivell Subdivision |
| Y | Tattersall at Tymber Creek |
| Z | Tides Edge |
| AA | Tymber Creek Apartments |
| **COMMERCIAL PROJECTS** | |
| 1 | 155 North Nova Rd |
| 2 | Advent Health Osed |
| 3 | A&M Frozen |
| 4 | Breakaway Trails Tract A |
| 5 | Cassen Park |
| 6 | Circle-K |
| 7 | Civil Air Patrol Building |
| 8 | Complete Cardiology Expansion |
| 9 | Ellianos OB Granada Blvd |
| 10 | First United Methodist |
| 11 | Lentz Medical Spa |
| 12 | Lowes Outdoor Storage |
| 13 | Ormond Beach Holdings LLC |
| 14 | Ormond Beach Self Storage |
| 15 | Ormond Crossings - Pine Tree Flyover |
| 16 | PO OB - Neighborhood Commerical |
| 17 | Prince of Peace |
| 18 | Public House Restaurant |
| 19 | Salty Church Remodal |
| 20 | Shoppes at Granada Pointe |
| 21 | Stor - It |
| 22 | Sunbros |
| 23 | Tomlinson Aviation |
| 24 | Tomoka Christian Church |
| 25 | Tomoka Commerce Park |
| 26 | Tomoka Commerce Park |
| 27 | Tomoka Commerce Park - Lot 1 |
| 28 | Tomoka Commerce Park - Lot 2 |
| 29 | Tomoka Commerce Park - Lot 3 |
| 30 | Tomoka Commerce Park - Lot 4 |
| 31 | Walmart Expansion |
| **ORMOND BEACH - UTILITY PROVIDER ONLY** | |
| 32 | Amberwoods |
| 33 | Baileys by the Sea |
| 34 | Baileys by the Sea 2 |
| 35 | Beachview Cove |
| 36 | Brookside at Ormond Station |
| 37 | Garden Side Phase 2 |
| 38 | North Peninsula WWTP |
| 39 | Ocean Shore Plaza Sewer |
| 40 | Seascape |
| 41 | Woodside |
| 42 | Villas at Spanish Waters |



Prepared By: City of Ormond Beach G.I.S. Department - July 1, 2025

# City of Ormond Beach Commercial Development Report, as of July 1, 2025

**Applications, site plans, and public hearing documents may be viewed at the Planning Department website:** http://fl-ormondbeach.civicplus.com/index.aspx?NID=247

**Change in project status** — Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commis-sion | Final Approval | DO Expiration | Building Permit | Building Permit Value | Eng. Permit | Eng. Permit Constr. Value | Under Construc tion | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | **155 N. NOVA ROAD**<br>155 N. Nova Road<br>PZ-2025-000161 | Special Exception sign variance to allow for the replacement of a former pylon sign on the subject property. | 04.16.25 | 05.02.25 | 05.16.25 | | | Not applicable | 06.12.25 | 07.22.25 | | | Not applied | Not applied | Not applied | Not applied | | A = Cobb Cole<br>O = Dr. Long Jr. & Janet Long |
| 2 | **ADVENT HEALTH OSED**<br>1561 North US Highway 1<br>SPRC-2025-000069 | New emergency department - 13,451 square foot building on 2.47 acres. | 05.16.25 | 5.30.25 | | | | Not applicable | Required | Required | | | Not applied | Not applied | Not applied | Not applied | | E = Kimley-Horn Engineering<br>O = Memorial Health Systems, Inc. |
| 3 | **A & M FROZEN**<br>1899 North US Highway 1<br>SPRC-2024-000031 | Site building expansion of 50,400 square feet of cold storage and associated site improvements. | 04.18.24 | 05.17.24 | 01.28.25 | | | Not applicable | Not applicable | Not applicable | 02.25.25 | 02.25.27 | Not applied | Not applied | Not applied | Not applied | | E = Zev Cohen & Associates<br>O = 1899 US HWAY 1, LLC |
| 4 | **BREAKAWAY TRAILS, TRACT A**<br>PZ-2025-000179<br>8 Breakaway Trail | Development of Regional Impact amendment for RV and boat storage and storage buildings. | 06.11.25 | In Review | | | | Required | Required | Required | | | Not applied | Not applied | Not applied | Not applied | | E = Zev Cohen & Associates<br>O = Four Deland Plaza LLC |
| 5 | **CASSEN PARK**<br>1 S. Beach Street<br>SPRC-2024-000034 | Redesign of city owned Cassen Park. | 05.17.24 | 06.09.24 | 08.01.24 | 08.27.24 | | Not applicable | 09.12.24 (Approved) | 10.15.24 (Approved) | 12.12.24 | Under Construc-tion | Issued 03.14.25 | $796,662 | Issued 01.19.25 | | 95% | E = Zev Cohen & Associates<br>O = City of Ormond Beach |
| 6 | **CIRCLE K - NOVA & HAND**<br>699 South Nova Road<br>SPRC-2024-000051 | Demolish existing bank building and construct 5,200 square foot building on 1.88 acres for convenience store with fueling canopy. | 12.04.24 | 12.30.24 | 03.04.25 | 05.08.25 | | 02.10.25 | Not applicable | Appeal 07.22.25 | | | Not applied | Not applied | Not applied | Not applied | | E = Kimley-Horn<br>O = Sun State Petrol I, LLC |
| 7 | **CIVIL AIR PATROL BUILDING**<br>760 Airport Road<br>SPRC-2024-000048 | New classroom building of 864 square feet. | 11/27.24 | 12.10.24 | | | | Not applicable | Not applicable | Not applicable | 12.24.24 | Under Construc-tion | Issued 01.13.25 | $80,000 | Included in building permit | Included in building permit | 50% | APP - City of Ormond Beach |
| 8 | **COMPLETE CARDIOLOGY EXPANSION**<br>1240 West Granada Boulevard<br>PZ# 2022-090 | Enclosing former bank drive through with new building totaling 4,326 square feet and associated site improvements. | 07.29.22 | 08.14.22 | 11.21.22 | | | Not applicable | Not applicable | Not applicable | 12.13.23 revision 07.25.23 | Under Construc-tion | Issued 04.01.23 | $1,726,850 | Issued 03.15.23 | $58,000 | 90% | E = Zev Cohen & Associates, Inc.<br>O = Complete Cardiology, LLC<br>ARC = BPF Design Inc. |
| 9 | **ELLIANOS OB GRANADA BLVD**<br>341 West Granada Boulevard<br>SPRC-2024-000011 | Construct an ±800 sf free standing dual drive through only coffee shop in Winn-Dixie shopping center. | 01.04.24 | 01.31.24 | 05.16.24 2nd 10.27.24 3rd | 11.22.24 4th | | Not applicable | 11.14.24 (Denied) | 01.07.25 (Approved) | 03.11.25 | 03.11.27 | Not applied | Not applied | Issued 05.27.25 | $238,079 | 0% | E = Gmuer Engineering<br>O = Kjump, Inc. |
| 10 | **FIRST UNITED METHODIST**<br>336 S. Halifax Drive<br>SPRC-2025-000055 | Demolition of the existing gathering building and construction of a new building with associated site improvements. | 01.17.25 | 02.06.25 | | | | 04.09.25 | Required | Required | | | Not applied | Not applied | Not applied | Not applied | | E = Zev Cohen & Associates<br>O = First United Methodist Church |

# City of Ormond Beach Commercial Development Report, as of July 1, 2025

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**Change in project status** | Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commis-sion | Final Approval | DO Expiration | Building Permit | Building Permit Value | Eng. Permit | Eng. Permit Constr. Value | Under Construc tion | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | **LENTZ MEDICAL SPA**<br>1031 North US Hwy 1<br>SPRC-2025-000060 | New construction of a 8,673 square feet building on 2.06 acres | 03.06.25 | 03.26.25 | | | | Required | Not applicable | Not applicable | | | Not applied | Not applied | Not applied | Not applied | | E = Newkirk Engineering, Inc.<br>O = Bluewater Properties, LLC<br>ARC = BPF Design Inc. |
| 12 | **LOWE'S OUTDOOR STORAGE**<br>1340 West Granada Boulevard<br>PZ-2024-000060 | Special Exception for outdoor activity and outdoor storage. | 05.31.24 | 6.19.24 | 07.23.24 | 09.10.24 | In Review | Not applicable | 07.11.24 Approved | 09.18.24 Approved | | | 6/2/25 - Fence Only | 6/2/2025 | Not applied | Not applied | | APP = Storch Law Firm<br>O = Lowes |
| 13 | **ORMOND BEACH HOLDINGS LLC**<br>251 South Atlantic Avenue<br>PZ #22-018(b) | Proposed five story, 95,700 square foot hotel with 137 rooms. | 03.09.22 | 04.04.22 | 06.13.22 | 08.24.22 | 09.07.22<br>01.31.23 | 09.14.22 | 12.05.22 Approved 5-0 | 01.10.23 & 01.24.23 (Approved) | 05.24.24 | Under Construc-tion | Issued 02.29.24 | $34,000,000 | Issued 04.12.24 | $1,400,000 | 80% | E = Parker Mynchenberg & Associates, Inc.<br>APP/O = Ormond Beach Holdings, LLC |
| 14 | **ORMOND BEACH SELF STORAGE**<br>490 N. U.S. Highway 1<br>PZ #2023-021 | Proposed 166,423 of storage square footage on 24.28 acres. | 01.27.23 | 02.20.23 | 06.07.23 | | | Not applicable | Not applicable | Not applicable | 10.28.23 | 10.28.25 | 04.04.25 | All buildings $21,365,794 | Not applied | Not applied | | E = Mark Dowst & Associates, Inc.<br>O = TSO Ormond Beach, LP<br>ARC = Smith Boland Architects, LLC |
| 15 | **OC PINE TREE FLYOVER**<br>100 Ormond Crossings Boulevard<br>SPRC-2024-000047 | Railroad flyover (at Pine Tree Dr Intersection) to the Ormond Crossings development. | 11.20.24 | 12.22.24 | | | | Not applicable | Not applicable | Not applicable | | | Not applied | Not applied | Not applied | Not applied | | E = Poulos & Bennett, LLC<br>O = Ormond Crossings West |
| 16 | **PO OB - NEIGHBORHOOD COMMERCIAL**<br>1730 Plantation Oaks Boulevard<br>SPRC-2024-000023 | Construction of a 2-story, 25,520 square foot building. | 03.13.24 | 04.12.24 | 06.19.24 | | | 06.10.24 | 07.11.24 Approved | 09.04.24 Approved | 11.05.24 | Under Construc-tion | Not applied | Not applied | Issued 02.27.25 | $478,584 | 5% | E = Parker Mynchenberg & Associates, Inc. |
| 17 | **PRINCE OF PEACE**<br>600 South Nova Road<br>SPRC-2025-000057 | Construction of a stations of the cross prayer garden and statue of the virgin Mary. | 02.06.25 | 03.02.25 | | | | Not applicable | Not applicable | Not applicable | 06.19.25 | | In Review | $232,546 | Not applied | Not applied | | E = Alann Engineering Group<br>O = Prince of Peace Catholic Church |
| 18 | **PUBLIC HOUSE RESTAURANT**<br>1113 & 1117 North U.S. Highway 1<br>PZ-23-00000048 | Proposed 6,316 square foot restaurant and site improvements. | 04.26.23 | 05.11.23 | 08.04.23 | 11.22.23 | | 10.30.23 | Not applicable | Not applicable | 01.12.24 | 01.12.26 | Not applied | Not applied | Not applied | Not applied | | E = Engineered Permits, Inc.<br>O = Lee Munizzi |
| 19 | **SALTY CHURCH REMODAL**<br>26 Bovard Avenue<br>SPRC-2024-000052 | Interior remodel with change of building use. | 12.05.24 | 12.30.24 | 01.24.25 | | | Not applicable | Not applicable | Not applicable | 02.17.25 | 02.17.27 | 5/30/2025 | $328,500 | Not applied | Not applied | | ARC - Hall and Ogle Architects<br>O = Salty Church |
| 20 | **SHOPPES AT GRANADA POINTE**<br>550 West Granada Boulevard<br>PZ-23-00000082 | Construction of a 21,114 square foot building on 2.52 acres in the Granada Pointe development. | 09.22.23 | 10.6.23 | 11.18.23 | 01.12.24 | | Not applicable | Not applicable | Not applicable | 02.16.24 | 02.16.26 | Not applied | Not applied | Not applied | Not applied | | E = Newkirk Engineering, Inc.<br>O = Granada Pointe Investors, LLC<br>ARC = BPF Design, Inc. |

# City of Ormond Beach Commercial Development Report, as of July 1, 2025

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**Change in project status** | Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commis-sion | Final Approval | DO Expiration | Building Permit | Building Permit Value | Eng. Permit | Eng. Permit Constr. Value | Under Construc tion | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | **STOR-IT**<br>1405 North US Highway 1<br>PZ# 2022-096 | Proposed indoor self-storage facility of 123,534 square feet on 5.26 acres. | 08.11.22 | 08.29.22 | 11.09.22 | 03.21.23 | | 11.17.22 | 12.08.22 Approved | 01.24.23 & 02.07.23 | 04.20.23 | Under Construc-tion | Issued 10.17.23 | $7,000,000 | Issued 06.13.23 | $821,773 | 85% | E = Parker Mynchenberg & Associates, Inc.<br>O = Vanacore Commercial Property, Inc. |
| 22 | **SUNBROS**<br>14 South Yonge Street<br>SPRC-2024-000043 | Redevelopment of site to construct a 250 coffee drive through building. | 10.02.24 | 10.22.24 | 12.18.24 | 01.28.25 | | Not applicable | 12.14.24 Approved | 01.21.25 Approved | 02.06.25 | 02.06.27 | Not applied | Not applied | Not applied | Not applied | | E = Zev Cohen & Associates<br>O = D2S Properties, LLC |
| 23 | **TOMLINSON AVIATION**<br>92 Hanger Way<br>SPRC-2024-000041 | Construct two (2) building additions (13,200 SF) to existing buildings. | 09.18.24 | | | | | Not applicable | Not applicable | Not applicable | 10.16.24 Revision 05.19.25 | 10.16.26 | In review | 2 Buildings - $1,247,855 | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Tomlinson Aviation |
| 24 | **TOMOKA CHRISTIAN CHURCH**<br>1450 Hand Avenue<br>SPRC-2024-000005 | Proposed construction of a new ±20,000 square feet building. | 12.07.23 | 12.21.23 | 02.29.24 | 04.08.24 | 05.22.24 | 02.22.24 | 03.14.24 (Approved) | 04.16.24 (Approved) | 08.18.24 | Under Construc-tion | In Review | $5,000,000 | Issued 10.15.24 | $150,000 | 15% | E = Zev Cohen & Associates<br>O = Tomoka Christian Church |
| 25 | **TOMOKA COMMERCE PARK**<br>890 North US Highway 1<br>PZ-2025-000165 | Zoning Amendment to PBD - 12.48 acre to allow commercial & industrial uses. | 5/9/2025 | 06.01.25 | | | | Required | Required | Required | | | Not applied | Not applied | Not applied | Not applied | | E = Park Mynchenberg & Associates<br>O = 890 N US HWY 1, LLC |
| 26 | **TOMOKA COMMERCE PARK**<br>890 North US Highway 1<br>SPRC-2025-000063 | Preliminary Plat - One lot into four commercial lots. | 5/9/2025 | 06.01.25 | | | | Required | To be determined | To be determined | | | Not applied | Not applied | Not applied | Not applied | | E = Park Mynchenberg & Associates<br>O = 890 N US HWY 1, LLC |
| 27 | **TOMOKA COMMERCE PARK, LOT 1**<br>890 North US Highway 1<br>SPRC-2025-000064 | Commercial use in a 9,990 square foot building on 1.52 acres. | 5/9/2025 | 06.01.25 | | | | Required | Part of PBD | Part of PBD | | | Not applied | Not applied | Not applied | Not applied | | E = Park Mynchenberg & Associates<br>O = 890 N US HWY 1, LLC |
| 28 | **TOMOKA COMMERCE PARK, LOT 2**<br>890 North US Highway 1<br>SPRC-2025-000065 | Commercial use in a 9,990 square foot building on 1.52 acres. | 5/9/2025 | 06.01.25 | | | | Required | Part of PBD | Part of PBD | | | Not applied | Not applied | Not applied | Not applied | | E = Park Mynchenberg & Associates<br>O = 890 N US HWY 1, LLC |
| 29 | **TOMOKA COMMERCE PARK, LOT 3**<br>890 North US Highway 1<br>SPRC-2025-000066 | Commercial/Industrial uses within 36,630 square foot building on 2.46 acres. | 5/9/2025 | 06.01.25 | | | | Required | Part of PBD | Part of PBD | | | Not applied | Not applied | Not applied | Not applied | | E = Park Mynchenberg & Associates<br>O = 890 N US HWY 1, LLC |
| 30 | **TOMOKA COMMERCE PARK, LOT 4**<br>890 North US Highway 1<br>SPRC-2025-000067 | Commercial/Industrial uses within 27,200 square foot building on 2.47 acres. | 5/9/2025 | 06.01.25 | | | | Required | Part of PBD | Part of PBD | | | Not applied | Not applied | Not applied | Not applied | | E = Park Mynchenberg & Associates<br>O = 890 N US HWY 1, LLC |

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**Change in project status** Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commis-sion | Final Approval | DO Expiration | Building Permit | Building Permit Value | Eng. Permit | Eng. Permit Constr. Value | Under Construc tion | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | **WAL-MART EXPANSION**<br>1521 West Granada Boulevard<br>SPRC-2024-000053 | Expansion of 4,752 square feet to support online pickup area. | 12.10.24 | 01.08.25 | 06.25.25 | | | 02.20.25 | 07.10.25 | 08.19.25<br>09.03.25 | | | Not applied | Not applied | Not applied | Not applied | | E = CPH<br>O = Wal-Mart Stores, Inc. |

# City of Ormond Beach As Utility Provider Only Development Report, as of July 1, 2025

Change in project status | Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Final Approval | DO Expiration | LDC Extension | Eng. Permit | Eng. Permit Constr. Value | Under Construction | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | **AMBERWOODS**<br>Flagler County<br>PZ-23-00000078 | Utility connection, Flagler County for 40 lots on 14.39 acres. | 07.31.23 | 08.15.23 | 11.06.23 | 12.18.23 | | 01.12.24 | Under Construction | None | Issued 08.26.24 | $1,526,866 (Utilities Only) | 65% | E = Alann Engineering Group<br>O = U.S. Capital Alliance, LLC |
| 33 | **BAILEYS BY THE SEA**<br>2360 Ocean Shore Boulevard<br>SPRC-2024-000003 | Utility connection, Ormond By the Sea, 5 multi-family buildings units with 32 total units. | 11.02.23 | | | | | 11.26.23 | Under Construction | None | Issued 07.19.24 | $536,995 (Utilities only) | 65% | O = Trisha Bailey<br>E = Kimley-Horn & Associates<br>APP = Jeannimarie, LLC |
| 34 | **BAILEYS BY THE SEA 2**<br>2020 Ocean Shore Boulevard<br>SPRC-2024-000026 | Utility connection, Ormond By the Sea, 2 multi-family buildings units with 8 total units. | 03.27.24 | 04.19.24 | | | | 07.26.24 | Under Construction | None | Issued 12.16.24 | $207,442 (Utilities Only) | 65% | O = Trisha Bailey<br>E = Kimley-Horn & Associates<br>APP = Jeannimarie, LLC |
| 35 | **BEACHVIEW COVE**<br>2960 Ocean Shore Boulevard<br>PZ #2021-094 | Utility connection of 28 lots on 7.81 acres in Ormond by the Sea area. | 08.19.21 | 09.06.21 | 10.01.21 | 10.31.21 | 09.24.23 revision | 11.22.21 | Under Construction | None | Issued 10.18.2023 | $711,679 (Utilities Only) | 90% | E = Alliant engineering, Inc.<br>O = Seagate Communities, LLC |
| 36 | **BROOKSIDE AT ORMOND STATION**<br>Flagler County<br>SPRC-2024-000004 | Flagler County utility connection, 162 lots on 53.16 acres. | 11.21.23 | 12.11.23 | | | | 05.17.24 | 05.17.26 | None | Not applied | Not applied | | E = Alann Engineering Group<br>O = U.S. Capital Alliance, LLC |
| 37 | **GARDEN SIDE, PHASE II**<br>Flagler County<br>SPRC-2024-000021 | Flagler County utility connection,89 lots on 40.145 ac.res | 03.05.24 | 04.04.24 | 08.23.24 | | | 11.15.24 | 11.15.26 | None | Not applied | Not applied | | E = Alann Engineering Group<br>O = U.S. Capital Alliance, LLC |
| 39 | **NORTH PENINSULA WWTP**<br>SPRC-2024-000027<br>16 Seabridge Drive | Converting the existing WWTP to City owned and maintained master lift station and associated 6-in FM from Seabridge development to connection on A1A. | 04.02.24 | 04.24.24 | 07.15.24 | | | 09.10.24 | 09.10.26 | None | Not applied | Not applied | | E = Kimley-Horn and Associates<br>APP = Central States Water Resources, Inc. |
| 39 | **OCEAN SHORE PLAZA SEWER**<br>1452 Ocean Shore Boulevard<br>SPRC-2024-000025 | Construction of new private lift station to connect to city sewer in Ormond by the Sea. | 03.21.24 | 04.17.24 | | | | 05.13.24 | 05.13.26 | None | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Ocean Shore Plaza |
| 40 | **SEASCAPE**<br>SPRC-2025-000062<br>2290 Ocean Shore Boulevard | Proposed private lift station and approximately 500 LF of 2" force main to connect to public force main. | 03.17.25 | 04.03.25 | | | | | | None | Not applied | Not applied | | E = Kimley-Horn and Associates, Inc.<br>O = Seascape Condo |
| 41 | **WOODSIDE**<br>PZ-23-00000090<br>Flagler County | Utility connection for 63 single-family homes. Flagler County (Hunter's Ridge). | 10.19.23 | 11.06.23 | 03.04.24 | | | 05.06.24 | Under Construction | None | Issued 08.26.24 | $1,526,866 (Utilities Only) | 90% | E = Alann Engineering Group<br>O = U.S. Capital Alliance, LLC |
| 42 | **VILLAS AT SPANISH WATERS**<br>2120 Ocean Shore Boulevard<br>PZ# 2023-053 | Volusia County project. Provide utilities for an 18 unit townhome project. | 05.04.23 | | | | | 05.24.23 | 05.24.25 | None | Not applied | Not applied | | E = The Performance Group<br>O = Coquina Dunes, LLC |

# City of Ormond Beach Residential Development Report, as of July 1, 2025

**Applications, site plans, and public hearing documents may be viewed at the Planning Department website:** http://fl-ormondbeach.civicplus.com/index.aspx?NID=247

**Change in project status** | Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commission | Final Approval | DO Expiration | Eng. Permit | Eng. Permit Constr. Value | Under Construction | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | **121 EAST**<br>121 East Granada Boulevard<br>PZ-22-00000098 | Development of 24 multi-family units. | 08.12.22 | 09.01.22 | 05.17.23 | 08.23.23 | | 03.14.23 | 06.08.23 (Approved) | 07.18.23 & 08.01.23 (Approved) | | | Early Review | $15,000,000 | | E = Zev Cohen & Associates<br>O = Dime Rock Properties, LLC<br>ARC = William Chapin |
| B | **40 NORTH BEACH STREET**<br>40 North Beach Street<br>SPRC-2025-000059 | Addition of two residential units and converting existing building to residential unit. | 02.27.25 | 03.19.25 | | | | Required | Required | Required | | | Not applied | Not applied | | E = Newkirk Engineering, Inc<br>O - EADS Commercial Properties, LLC<br>ARC = The Trilegacy Group |
| C | **ARCHER'S MILL, PHASE 3**<br>3016 Bonspiel Drive<br>PZ-23-00000052 | Preliminary Plat. 59 lots on 22.42 acres, Plantation Oaks PRD (Phase 3). | 05.01.23 | 05.24.23 | 08.08.23 | 09.15.23 | | Not Required | 06.08.23 (Approved) | 07.18.23 (Approved) | 10.17.23 | 10.17.25 | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Forestar USA Real Estate Group Inc. |
| D | **ARCHER'S MILL, PHASE 4**<br>3015 Arch Avenue<br>PZ-23-00000059 | Preliminary Plat. 111 lots on 51.56 acres, Plantation Oaks PRD (Phase 3) | 05.19.23 | 06.29.23 | 09.19.23 | | | Not Required | 08.10.23 (Approved) | 09.20.23 (Approved) | 10.30.23 | 10.23.25 | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Forestar USA Real Estate Group Inc. |
| E | **ARCHER'S MILL, PHASE 5**<br>3343 Bonspiel Drive<br>PZ-23-00000060 | Preliminary Plat. 114 lots on 92.71 acres, Plantation Oaks PRD (Phase 3). | 05.19.23 | 06.29.23 | 09.18.23 | | | Not Required | 08.10.23 (Approved) | 09.20.23 (Approved) | 10.17.23 | Under Construc-tion | Issued 11.27.23 | $1,225,490.57 | 55% | E = Parker Mynchenberg & Associates, Inc.<br>O = Forestar USA Real Estate Group Inc. |
| F | **BRADFORD LAKES**<br>140 Bradford Lakes Way<br>PZ-23-00000042 | Preliminary Plat. 80 single-family lots on 53.12 acres, Plantation Oaks PRD (Phase 4). Plat recorded. | 03.23.23 | 05.01.23 1st<br>07.19.23 2nd | 09.15.23 3rd | 11.22.23 4th<br>02.07.24 5th | 02.29.24 6th | Not Required | 08.10.23 (Approved) | 09.20.23 (Approved) | 03.08.24 | Under Construc-tion | Issued 05.08.24 | $3,586,560.00 | 90% | E = Parker Mynchenberg & Associates, Inc.<br>O =Meritage Homes of Florida, Inc. |
| G | **BRADFORD PARK**<br>1175 Bradford Park Way<br>SPRC-2024-000012 | Preliminary Plat. 180 townhomes and associated site improvements on 25.31 acres. Plat recorded. | 07.06.23 | 07.31.23 | 09.15.23 | 10.19.23 3rd<br>12.21.23 4th | | Not Required | 01.11.24 (Approved) | 2.20.23 (Approved) | 03.04.24 | Under Construc-tion | Issued 05.08.24 | $2,855,823.00 | 85% | E = Parker Mynchenberg & Associates, Inc.<br>O =Meritage Homes of Florida, Inc. |
| H | **ENCLAVE**<br>475 Tymber Creek Road<br>PZ-2023-000066 | Preliminary Plat. 12 lots on 26.17 acres. | 06.05.21 | 06.15.23 | 08.08.23 | 07.26.24 | | Not Required | 09.14.23 (Approved) | 10.17.23 (Approved) | 10.30.24 | Under Construc-tion | Issued 02.01.25 | $634,871 | 90% | E = Zev Cohen & Associates, Inc.<br>O = Paylin Tymber 1 and 2, LLC |
| H | **ENCLAVE**<br>475 Tymber Creek Road<br>PZ-2025-000138 | Final Plat.12 lots on 26.17 acres. | 02.24.25 | 03.14.25 | | | | Not Required | 04.10.25 | 05.20.25<br>06.03.25 | | See Above | See Above | See Above | See Above | E = Zev Cohen & Associates, Inc.<br>O = Paylin Tymber 1 and 2, LLC |
| I | **FOUNTAIN VIEW, AMENITY CENTER**<br>1400 Fountain View Street<br>SPRC-2024-000022 | A 5,040 square foot amenity center with pool and associated improvements. | 03.07.24 | 03.30.24 | 06.21.24 | | | Not Required | Not Required | Not Required | 07.07.24 | Under Construc-tion | Pending | $780,000 (building) | 15% | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |

# City of Ormond Beach Residential Development Report, as of July 1, 2025

**Applications, site plans, and public hearing documents may be viewed at the Planning Department website:** http://fl-ormondbeach.civicplus.com/index.aspx?NID=247

**Change in project status** | Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commission | Final Approval | DO Expiration | Eng. Permit | Eng. Permit Constr. Value | Under Construction | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J | **FOUNTAIN VIEW PHASE 1C**<br>1160 Fountain View Street<br>SPRC-2024-000007 | Preliminary Plat. 141 lots on 90.33 acres, Plantation Oaks PRD (Phase 1). | 12.11.23 | 01.10.24 | 03.01.24 | | | Not Required | 02.08.24 | 04.02.24 | 05.06.24 | 05.06.26 | Not applied | Not applied | 70% | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| J | **FOUNTAIN VIEW PHASE 1C**<br>1160 Fountain View Street<br>PZ-2025-000137 | Final Plat. 141 lots on 90.33 acres, Plantation Oaks PRD (Phase 1). | 02.20.25 | 03.14.25 | | | | Not Required | 04.10.25 | 05.20.25<br>06.03.25 | | See Above | See Above | See Above | See Above | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| K | **FOUNTAIN VIEW PHASE 1D**<br>1789 Houmas Street<br>SPRC-2024-0000016 | Preliminary Plat. 103 lots on 62.14 acres, Plantation Oaks PRD (Phase 1). | 02.08.23 | 03.15.24 | 06.19.25 | | | Not Required | 04.11.24 (Approved) | 05.21.24 (Approved) | | | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| L | **FOUNTAIN VIEW PHASE 1E**<br>1587 Nottoway Circle<br>SPRC-2024-0000017 | Preliminary Plat. 110 lots on 36.20 acres, Plantation Oaks PRD (Phase 1). | 02.08.23 | 03.18.24 | 06.19.25 | | | Not Required | 04.11.24 (Approved) | 05.21.24 (Approved) | | | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| M | **FOUNTAIN VIEW PHASE 1F**<br>1130 Evelyton Lane<br>SPRC-2024-0000018 | Preliminary Plat. 97 lots on 32.13 acres, Plantation Oaks PRD (Phase 1). | 02.08.23 | 03.21.24 | 06.19.25 | | | Not Required | 04.11.24 (Approved) | 06.04.24 (Approved) | | | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| N | **ORMOND CROSSINGS, FORCEMAIN EXT**<br>1030 North Tymber Creek Road<br>SPRC-2025-000068 | Construction of 16" proposed reclaim water main. | 5/13/2025 | In Review | | | | Not Required | Not Required | Not Required | | | Not applied | Not applied | | E = Poulos & Bennett, LLC<br>O = Ormond Crossings West, LLC |
| O | **ORMOND CROSSINGS, PHASE 1**<br>1700 N US 1 Highway<br>SPRC-2024-0000050 | Preliminary Plat. 444 lots on 252.16. | 12.03.24 | 01.02.25 | 03.27.25 | | | Not Required | Required | Required | | | Not applied | Not applied | | E = Poulos & Bennett, LLC<br>O = Ormond Crossings West, LLC |
| P | **ORMOND CROSSINGS, RECLAIM WATER**<br>1030 North Tymber Creek Road<br>SPRC-2025-000071 | Construction of 16" proposed reclaim water main. | 5/13/2025 | In Review | | | | Not Required | Not Required | Not Required | | | Not applied | Not applied | | E = Poulos & Bennett, LLC<br>O = Ormond Crossings West, LLC |
| Q | **OC TYMBER CREEK FLYOVER**<br>100 Ormond Crossings Boulevard<br>SPRC-2024-000044 | Railroad flyover (at new Tymber Creek Road) to the Ormond Crossings development. | 11.21.24 | 12.22.24 | 04.07.25 | | | Not applicable | Not applicable | Not applicable | | | Not applied | Not applied | Not applied | Not applied |
| R | **OC WATERMAIN EXTENSION**<br>1030 North Tymber Creek Road<br>SPRC-2024-000049 | Ormond Crossings. Construction of approximately 18,000 LF of 16" PVC water main along North Tymber Creek Road. | 12.03.24 | 12.30.24 | 03.21.25 | In Review | | Not Required | Not Required | Not Required | | | Not applied | Not applied | | E = Poulos & Bennett, LLC<br>O = Ormond Crossings West, LLC |

# City of Ormond Beach Residential Development Report, as of July 1, 2025

**Applications, site plans, and public hearing documents may be viewed at the Planning Department website:** http://fl-ormondbeach.civicplus.com/index.aspx?NID=247

**Change in project status** | Projects reviewed last month

| # | Project | Description | Application Date | 1st Review | 2nd Review | 3rd Review | 4th Review | Neigh-borhood meeting | Advisory Board | City Commission | Final Approval | DO Expiration | Eng. Permit | Eng. Permit Constr. Value | Under Construction | E or Arc = Project Engineer or Architect<br>O = Owner<br>A = Applicant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S | **ORMOND ENCLAVE**<br>135 North Yonge Street<br>PZ-21-00000079 | Construct 64 unit multi family apartment complex. | 06.17.21 | 07.09.21 | 10.19.22 | 05.08.23 | 06.17.23 | 08.15.21; 01.17.23 | 06.08.23 (Approved) | 07.18.23 (Approved) & 08.01.23 (Approved) | | | Not applied | Not applied | | E = Parker Mynchenberg & Associates, Inc.<br>O = CST Holdings, LLC<br>ARC = BPF Design |
| T | **PLANTATION OAKS, 2C**<br>2124 Esplanada Drive<br>PZ# 2020-025 | Development of 121 lots on 63.12 acres. Manufactured home phase. Plantation Oaks PRD (Phase 2) | 12.14.17 | 2.07.18 | 07.17.18 | | | Volusia County approval | Volusia County approval | Volusia County approval | 09.20.18 | Under Construc-tion | Issued 09.17.21 | $3,044,572 | 95% | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| U | **PLANTATION OAKS, 2D**<br>2258 Chretien Drive<br>PZ# 2020-026 | Development of 84 units on 27.32 acres. Manufactured home phase. Plantation Oaks PRD (Phase 2) | 12.14.17 | 02.12.18 | 08.24.18 | | | Volusia County approval | Volusia County approval | Volusia County approval | 09.20.18 | Under Construc-tion | Issued 09.17.21 | $1,784,746 | 15% | E = Parker Mynchenberg & Associates, Inc.<br>O = Plantation Oaks of Ormond Beach, LLC |
| V | **REGAL MULTIFAMILY**<br>215 Williamson Boulevard<br>PZ# 2022-047 | Redevelopment of 310 multi-family units on 12 acres | 04.22.22 | 05.11.22 | 07.20.22 | 09.21.22 | 10.19.22<br>11.20.22<br>12.11.22<br>02.02.23 | Not Required | 06.09.22 (Approved) | 07.19.22 & 08.03.22 (Approved) | | | Not applied | Not applied | | O = Southwest I-95, LLC<br>E = Newkirk Engineering<br>APP = LIV Development |
| W | **RIDGEHAVEN AMENITY CENTER**<br>1066 Cliffhaven Court<br>SPRC-2024-000032 | The project consists of modifying the amenity area site plan | 04.23.24 | 05.17.24 | 07.12.24 | | | Not Required | Not Required | Not Required | 09.04.24 | 09.04.26 | Part of Site Permit | Part of Site Permit | 85% | E = Parker Mynchenberg & Associates, Inc.<br>O =Meritage Homes of Florida, Inc. |
| X | **RIVELL SUBDIVISION**<br>100 Rivell Trail<br>SPRC-2024-0000014 | Residential subdivision converting one 5.16 acre lot into 4 lots of record | 02.05.24 | 03.07.24 | 11.27.24 | In Review | | Not Required | 06.12.25 | Not Required | | | Not applied | Not applied | | E = Newkirk Engineering, Inc<br>O = Marie Lilienstern |
| Y | **TATTERSALL AT TYMBER CREEK**<br>Tymber Creek Road and Airport Road<br>PZ# 2023-041 | Preliminary Plat. 129 lot subdivision and associated site improvements. | 03.14.23 | 05.01.23 | 11.14.23 | 1.29.24<br>03.06.24 | 05.22.24 | 01.18.24 | 02.08.24 (Approved) | 05.07.24 (Approved) | 06.12.24 | 06.12.26 | Issued 04.14.25 | $6,237,383.00 | 25% | E = Zev Cohen & Associates, Inc.<br>O = Tymber Sky, LLC & Enclave of Tymber Creek LLC<br>APP = Paylin Tymber 1 and 2, LLC |
| Z | **TIDES EDGE**<br>300 South Atlantic Avenue<br>PZ# 2022-018 | Preliminary Plat, 15 single-family lots. | 05.31.22 | 06.13.22 | 09.07.22 | 11.20.22 | | 09.14.22 | 12,05.22 | 01.10.23 & 01.24.23 | 03.27.23 | Under Construc-tion | Approved | $718,460 | 92% | E = Parker Mynchenberg & Associates, Inc.<br>O = Ormond Beach Holdings, LLC |
| AA | **TYMBER CREEK APARTMENTS**<br>2011 West Granada Boulevard<br>SPRC -2024-000015 | 270 multi-family units and associated site improvements on a vacant 19.62 acre parcel. | 12.07.21 | 3.4.24 | | | | 06.08.22 | 12.08.22 Denial | 05.16.23 & 06.06.23 (Approved) | 03.20.24 | 03.30.26 | Not applied | Not applied | | E - Newkirk Engineering<br>O = VCP Ormond Beach, LLC<br>ARC = English Associates, Inc. |

## Planning public hearing items

| City Commission items, City Commission Chambers of City Hall at 7:00 P.M. | | | | | |
|---|---|---|---|---|---|
| **File Number** | **Item** | **Description** | **Planning Board** | **City Commission, 1st or only** | **City Commission, 2nd reading** |
| LDC-2025-157 | Land Development Code Amendments - 1000 block of North US Highway 1 Abutting the Tomoka River | This is an application for administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements. | 05.08.2025 (Approved) | **07.22.25** | **08.03.25** |
| LDC-2025-161 | 155 North Nova Road, Signage Special Exception | This is an application submitted by Alanna Smith, Esquire, Cobb Cole, on behalf of the property owners, Dr. John C. Long Jr. and Janet G. Long, for a sign variance to allow for the replacement of a pole sign. | 06.12.25 (approved | **07.22.25** | NA |
| SPRC-2024-000051 | Circle K, 699 South Nova Road, Appeal of Site Plan Review Committee Determinations | Amber Bobak (appellant) filed an appeal of the Site Plan Review Committee's approval of the site plan for Circle K, located at 699 South Nova Road, Site Plan Review Committee (SPRC) file SPRC-2024-000051. Under Section 1-19 of the Land Development Code, appeals of administrative officials are heard by the City Commission. | NA | **07.22.25** | NA |
| **Note:** City Commission items are based upon the best information available as of the publishing of this report and are subject to change. City Commission agendas are available at: https://ormondbeach.iqm2.com/citizens/default.aspx?. For additional information, please contact the Planning Department via e-mail at comdev@ormondbeach.org or by telephone at (386) 676-3238. | | | | | |

| Board of Adjustment and Appeals - July 2, 2025, City Commission Chambers of City Hall at 6:00 P.M. | | |
|---|---|---|
| PZ-2025-168 | 480 Cedar Street | Application of Brian Barker, Barker Construction Inc., agent on behalf of the property owner, Christopher Bevan, property owner of 480 Cedar Street. The applicant is seeking an after-the-fact variance to legitimize, through the permitting process, a hard-roof open porch and home addition on the rear of the residence. The property is located in the R-3 (Single-Family Medium Density) zoning district. Section 2-15.B.9.b. of the Land Development Code requires a 20'-rear yard setback. The applicant is seeking to permit the already constructed 16' by 35'-hard-roof open porch with a rear yard setback of 9.7', requiring a variance of 10.3' and a partially constructed 3.1' by 14'-hard-roof enclosed addition with a rear yard setback of 10.8', requiring a variance of 9.2' to the required 20'-rear yard setback. |
| PZ-2025-166 | 151 Ellicott Drive | This is a request for a rear yard variance submitted by Sale Simms, property owner of 151 Ellicott Drive. The subject property is located in the R-2.5 (Single-Family Low-Medium Density) zoning district. Section 2-14.B.9.b., of the Land Development Code, requires a 20' rear yard setback. The existing solid roof screen room has a non-conforming setback of 12' from the rear property line. The applicant seeks a variance of 8' to the required 20' rear yard setback to allow replacement of the solid roof screen room at the same 12' rear yard setback. |
| PZ-2025-173 | 341 Greenwood Avenue | This is a request from Harry Nicholas Heilman II and Megan McLean, property owners of 341 Greenwood Avenue, for an after-the-fact variance to legitimize, through the permitting process, a boathouse structure. The property is located in the R-3 (Single-Family Medium Density) zoning district. Section 2-50(e)(4)(a) of the Land Development Code requires that if the length of the shoreline is sixty-five feet (65') or more, a minimum twenty-five-foot (25')-setback from the riparian lines of adjacent owners is required for all structures. The subject property has a shoreline length of 75'. The applicants are seeking to permit the already constructed boathouse with a side setback of 2.5', requiring a variance of 22.5' to the required 25'-setback. |
| PZ-2025-177 | 134 Hand Avenue | This is a request for a driveway access point variance submitted by Larry Massey, property owner of 134 Hand Avenue. Chapter 3, Article III of the Land Development Code (LDC), Section 3-25.C.1., requires that in all districts, no point of access shall be allowed at the intersections of two (2) streets, as classified in the Comprehensive Plan. Hand Avenue is classified as a major collector roadway and requires a 60'-setback from the intersection with Fred Gamble Way. The applicant is requesting to replace the driveway with pavers and widen it to 11.3' to match the width of the existing carport. Due to the existing point of access location, the applicant is requesting a setback from the intersection of 14', requiring a variance of 46' to the required 60'-setback. |
| **Note:** Board and Adjustment and Appeals information is based upon the best information available as of the publishing of this report and are subject to change. Board and Adjustment and Appeals agendas are available at: https://www.ormondbeach.org/218/Board-of-Adjustments-Appeals. For additional information, please contact the Planning Department via e-mail at comdev@ormondbeach.org or by telephone at (386) 676-3238. | | |

# Planning public hearing items

| Planning Board - July 8 2025, City Commission Chambers of City Hall at 6:00 P.M. | | |
|---|---|---|
| SPRC-2025-000069 | 1561 North US Highway 1 | Discussion Item - Potential Health Care Facility Brownfield Site |
| The Planning Board agenda is available at:https://www.ormondbeach.org/589/Brownfield-Advisory-Board. For additional information, please contact the Planning Department via e-mail at comdev@ormondbeach.org or by telephone at (386) 676-3238. | | |

| Planning Board - July 10, 2025, City Commission Chambers of City Hall at 6:00 P.M. | | |
|---|---|---|
| PZ-2025-134 | Planned Business Development (PBD) Amendment, 1521 West Granada Boulevard, Walmart Supercenter | This is a request by CPH, LLC., on behalf of Walmart Stores East, LP, the property owner, for an 8th Amendment to the Development Order for the Planned Business Development to allow the construction of an approximately 5,101-square-foot building expansion at the northeast corner of the existing building to expand their growing online grocery pickup service area. The subject property is located at 1521 West Granada Boulevard and has a Planned Business Development (PBD) zoning designation. |
| PZ-2025-180 | Land Development Code Amendment, Private Tattoo | This is an application for a Land Development Code amendment from Anthony Conforti to amend (1) Chapter 1, General Administration, Article III, Definitions and Acronyms, Section 1-22, Definitions of terms and words; (2) Chapter 2, District and General Regulations, Article II, District and General Regulations, Section 2-25, B-4, Central Business Zoning District; and (3) Chapter 2, District and General Regulations, Article IV, Conditional and Special Exception Regulations, Section 2-57, Criteria for review of specific conditional and special exception, to provide definitions and specific conditional criteria to provide a definition and specific conditional criteria to allow private tattoo studio as a conditional use in the B-4, Central Business Zoning District. |
| PZ-2025-181 | Land Development Code Amendment, Amending Leisure Services to Park and Recreation under the accessory use for Mobile Food Dispensing Vehicles | This is an administrative request to consider administrative amendments to the following sections of the Land Development Code: Chapter 2, District and General Regulations, Article III, General Regulations, Section 2-50, Accessory uses, subsection (v) Mobile food dispensing vehicles, to amend the term Leisure Services Department to Parks and Recreation Department. No changes to the text of the Section are proposed. |
| The Planning Board agenda is available at: https://www.ormondbeach.org/224/Planning-Board. For additional information, please contact the Planning Department via e-mail at comdev@ormondbeach.org or by telephone at (386) 676-3238. | | |

# PERMIT ISSUANCE SUMMARY (06/01/2025 TO 06/30/2025)
# FOR CITY OF ORMOND BEACH

| Permit Type | Permit Work Class* | Permits Issued | Square Feet | Valuation | Fees Paid |
|---|---|---|---|---|---|
| Building Non-Residential | Demolition, Complete | 1 | 2,189 | $6,567.00 | $435.04 |
| | Demolition, Partial or Interior | 2 | 4,601 | $1,801.00 | $186.50 |
| | Electrical | 15 | 0 | $226,500.00 | $1,619.25 |
| | Exterior | 16 | 3,702 | $176,876.71 | $2,972.52 |
| | Gas | 2 | 240,880 | $1,850.00 | $253.00 |
| | Interior Build Out | 1 | 49,097 | $37,835.00 | $372.33 |
| | Low Voltage Alarm Labels | 1 | 1,500 | $21,133.00 | $40.00 |
| | Mechanical | 22 | 0 | $259,326.87 | $3,231.00 |
| | Reroof | 4 | 18,586 | $298,892.00 | $1,702.53 |
| | Signage | 13 | 150 | $132,630.00 | $2,183.24 |
| | Wall, Structural | 1 | 64 | $3,500.00 | $104.87 |
| | **BUILDING NON-RESIDENTIAL TOTAL:** | **78** | **320,769** | **$1,166,911.58** | **$13,100.28** |
| Building Residential | Demolition, Complete | 2 | 1,708 | $4,800.00 | $636.55 |
| | Detached Accessory Structure | 2 | 256 | $12,839.00 | $301.64 |
| | Electrical | 19 | 0 | $55,295.00 | $1,439.28 |
| | Exterior | 74 | 5,160 | $818,989.41 | $11,644.35 |
| | Gas | 16 | 6,240 | $79,121.55 | $1,453.61 |
| | Generator | 6 | 0 | $116,484.00 | $1,558.78 |
| | Interior Renovation | 3 | 120 | $63,000.00 | $657.87 |
| | Manufactured/Mobile Home | 2 | 2,842 | $51,000.00 | $9,886.03 |
| | Mechanical | 80 | 15,261 | $794,748.84 | $6,046.04 |
| | New Construction, Addition | 4 | 6,274 | $1,224,875.00 | $5,447.78 |
| | New Construction, Townhomes | 18 | 37,688 | $5,017,924.00 | $226,082.08 |
| | New, Single Family Residential | 16 | 44,251 | $7,557,465.33 | $191,368.33 |
| | Outside the City Utility Permit | 2 | 5,927 | $0.00 | $12,840.00 |
| | Plumbing | 15 | 71 | $53,573.00 | $8,127.39 |
| | Pool/Spa | 12 | 9,182 | $1,073,887.65 | $9,094.60 |
| | Reroof | 86 | 71,647 | $1,454,519.48 | $13,054.90 |
| | Screen Enclosure | 6 | 7,167 | $120,162.00 | $1,399.25 |
| | Solar | 6 | 0 | $141,409.80 | $1,838.48 |
| | **BUILDING RESIDENTIAL TOTAL:** | **369** | **213,794** | **$18,640,094.06** | **$502,876.96** |
| Engineering Non-Residential | Tree Removal | 1 | 0 | $0.00 | $60.00 |
| | **ENGINEERING NON-RESIDENTIAL TOTAL:** | **1** | **0** | **$0.00** | **$60.00** |
| Engineering Residential | Seawall Revetment | 1 | 0 | $90,000.00 | $720.16 |
| | Tree Removal | 62 | 0 | $18,400.00 | $970.00 |
| | Underbrushing | 1 | 0 | $0.00 | $0.00 |
| | **ENGINEERING RESIDENTIAL TOTAL:** | **64** | **0** | **$108,400.00** | **$1,690.16** |
| Fire Non-Residential | Fire Protection Systems | 2 | 24,111 | $59,383.00 | $306.25 |
| | Fireworks | 1 | 700 | $61,000.00 | $0.00 |
| | **FIRE NON-RESIDENTIAL TOTAL:** | **3** | **24,811** | **$120,383.00** | **$306.25** |
| LDC Non-Residential | LDC | 1 | 166 | $4,993.00 | $75.00 |
| | Master Solicitor | 1 | 0 | $1.00 | $50.00 |
| | Non-Residential SPRC Site Improvem | 2 | 26,500 | $270,000.00 | $325.00 |
| | Special Event Permit | 2 | 0 | $2.00 | $0.00 |
| | **LDC NON-RESIDENTIAL TOTAL:** | **6** | **26,666** | **$274,996.00** | **$450.00** |

** Double-click the Permit Work Class Name while in the browser to see Permit details for that Work Class.*

# PERMIT ISSUANCE SUMMARY (06/01/2025 TO 06/30/2025)

| Permit Type | Permit Work Class* | Permits Issued | Square Feet | Valuation | Fees Paid |
|---|---|---|---|---|---|
| LDC Residential | Garage Sale | 29 | 0 | $1,038.00 | $130.00 |
| | LDC | 48 | 0 | $302,422.36 | $3,335.00 |
| | Residential Subdivision SPRC Site Im | 1 | 0 | $0.01 | $0.00 |
| | Sheds less than 150 square feet in siz | 4 | 0 | $11,975.00 | $300.00 |
| | **LDC RESIDENTIAL TOTAL:** | **82** | **0** | **$315,435.37** | **$3,765.00** |
| | **GRAND TOTAL:** | **603** | **586,040** | **$20,626,220.01** | **$522,248.65** |

** Double-click the Permit Work Class Name while in the browser to see Permit details for that Work Class.*

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 8.A. |
| **Section** | PUBLIC HEARINGS | **Category** | Public Hearing - Ordinances |
| **Subject** | Land Development Code Amendments - 1000 block of North US Highway 1 Abutting the Tomoka River | | |
| **Recommended Action** | The Planning Board recommends **APPROVAL** of administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements. | | |
| **Strategic Goal** | Transportation & Community Development - Other | | |
| **Department Staff Contact** | Planning & Building<br>Steven Spraker, Planning Director | | |


Summary

This is an application for administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements.

The purpose of the Land Development Code amendments is to provide the properties within the 1000 block of North U.S. Highway 1, abutting the Tomoka River, with the same landscape buffer and wetland buffer requirements as existed when the properties were located in unincorporated Volusia County.

The Planning Board reviewed the proposed Land Development Code amendment at the May 8, 2025, meeting and recommended approval by a 6-0 vote. There were no individuals who spoke for or against the proposed Land Development Code amendment.


Financial Impact

None

Citizen Impact

The proposed Land Development Code amendment focuses on aligning landscape and wetland buffers consistent with the existing Volusia County standards prior to the implementation of the Interlocal Service Boundary Agreement. No citizen impact is anticipated as a result.

Attachments

1. 25-21 LDC Amendment, 1000 Block of N US 1 (P25-0077G)
2. 05.08.2025, 1000 Block of North US HIghway 1, PB Staff Report
3. 07.22.25, 1000 block, LDC Amendment
4. 05.08.2025, Planning Board Draft Minutes
5. Ordinance BIE, 1000 block of North U.S. Highway 1

**ORDINANCE NO. 2025-21**

AN ORDINANCE AMENDING CHAPTER 2, DISTRICT AND GENERAL REGULATIONS, ARTICLE VI, OVERLAY DISTRICTS, SECTION 2-73, GREENBELT AND GATEWAY PRESERVATION DISTRICTS, SUBSECTION (C), DESIGN CRITERIA; AND CHAPTER 3, PERFORMANCE STANDARDS, ARTICLE II, ENVIRONMENTAL PROTECTION STANDARDS, SECTION 3-21, WETLANDS PROTECTION, SUBSECTION (H), BUFFER REQUIREMENTS, OF THE CITY OF ORMOND BEACH *LAND DEVELOPMENT CODE* BY AMENDING THE LANDSCAPE BUFFER AND WETLAND BUFFER REQUIREMENTS FOR PROPERTIES LOCATED WITHIN THE 1000 BLOCK OF NORTH U.S. HIGHWAY 1, ORMOND BEACH, TO BE CONSISTENT WITH VOLUSIA COUNTY STANDARDS; REPEALING ALL INCONSISTENT ORDINANCES OR PARTS THEREOF; PROVIDING FOR SEVERABILITY; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS**, this is a request to amend Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts, Subsection (c), Design criteria; and Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, Subsection (h), Buffer requirements, of the City of Ormond Beach *Land Development Code* by amending the landscape buffer and wetland buffer requirements for properties located in the 1000 block of North U.S. Highway 1, Ormond Beach, to be consistent with Volusia County standards, and

**WHEREAS**, the local planning agency, being the Planning Board of the City of Ormond Beach, has conducted a public hearing on May 8, 2025, on the requested amendments and has made recommendations thereon to the City Commission, and

**WHEREAS**, all applicable notice requirements of Section 166.041(3)(a), *Florida Statutes*, have been complied with, and

**WHEREAS**, the City Commission finds the amendment to be consistent with the provisions of the *Comprehensive Plan* of the City of Ormond Beach, and in the overall best interest of the public health, safety and welfare, now therefore,

**BE IT ENACTED BY THE PEOPLE OF THE CITY OF ORMOND BEACH, FLORIDA, THAT**:

**SECTION ONE**. Subsection (c), Design criteria, of Section 2-73, Greenbelt and Gateway Preservation Districts, of Article VI, Overlay Districts, of Chapter 2, District and General Regulations, of the City of Ormond Beach *Land Development Code*, is hereby amended as follows:

**Sec. 2-73. Greenbelt and Gateway Preservation Districts**

(a) – (b) (*no change to existing text)*

(c) *Design criteria.*

(1) *Landscape buffer requirements.*

a. The following standards shall apply to single-family residential developments in which access to individual homes is provided from internal streets except for those abutting I-95 (see figure 1):

1. There shall be a ten-foot (10') wide landscaped buffer on the designated greenbelt route side of a minimum five-foot (5') high wall constructed of brick or other type of finished masonry which is compatible with the architectural design of the development; both the wall and the landscaped buffer shall be in a common area under the ownership and maintenance responsibility of the development's homeowners' association, which responsibility shall be clearly established in the restrictive covenants for the development. Where existing vegetation between the wall and right-of-way line is insufficient, additional predominantly native material is to be planted so that no more than thirty feet (30') of wall remains unbuffered by vegetation. (Each plant

grouping between areas of devoid planted wall face shall have a minimum of thirty (30) square feet of planted area.) In situations where placing the wall, as described in this section, will severely impact the existing vegetation, the landscape architect may approve relocating the wall to the rear of the greenbelt landscape buffer.

2. There shall be a fifteen-foot (15') landscaped buffer, to include trees, on the homeowners' side of the aforesaid wall; this landscaped buffer shall be established as a conservation easement in favor of the homeowners' association, but with the city having the right to enforce the easement in instances when the association may fail or refuse to do so, such enforcement to be at the expense of the association and the owner of the lot on which the enforcement action becomes necessary.

3. All principal and accessory residential structures and screen enclosures shall be set back a minimum of ten feet (10') from the landscaped buffer.

4. Except when there is established on the plat a minimum rear yard setback of at least thirty feet (30'), the plat and the restrictive covenants for the development shall prohibit swimming pools in the rear yards of lots abutting designated greenbelt routes; said thirty feet (30') may include the required ten-foot (10') landscaped buffer described in subsection (c)(1)a2 of this section.

5. The special landscape requirements in subsections (c)(2)a and in (c)(2)d through (2)o of this section, inclusive, shall apply to this section.

b. The following standards shall apply to all development projects:

1. A minimum thirty-six-foot (36') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.

2. For lots in existence prior to April 3, 1984, with an average lot depth of less than two hundred feet (200') and for lots which are reduced to an average lot depth of less than two hundred feet (200') as a result of an eminent domain proceeding, a minimum twenty-five-foot (25') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.

c. The following standards shall apply to all development projects abutting I-95:

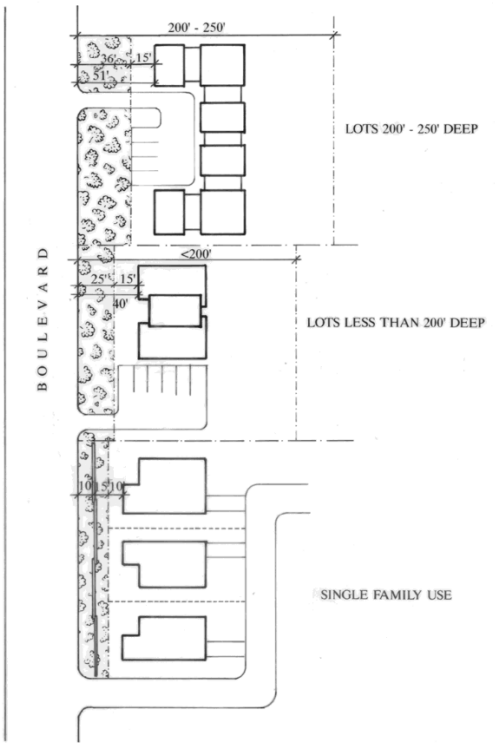
1. A minimum sixty-foot (60') wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

2. A minimum twenty-five-foot (25') wide landscape buffer area shall be provided between any new access road and a designated greenbelt route.

3. All of the special landscape requirements listed in subsections (c)(2)a through (2)o, inclusive, of this section shall apply to all development projects abutting I-95.

d. The following standards shall apply to all development projects between U.S. 1 and Dodson's Creek: a minimum twenty-foot (20') wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

FIGURE 10.1
GREENBELT CORRIDOR
BUFFER AND SETBACK REQUIREMENTS




e. The following standards shall apply to lots within the 1000 block of North U.S. Highway 1 abutting the Tomoka River: a minimum twenty-foot (20')-wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

(2) – (4) *(no change to existing text)*

**SECTION TWO.** Subsection (h), Buffer requirements, of Section 3-21, Wetlands protection, of Article II, Environmental Protection Standards, of Chapter 3, Performance Standards, of the City of Ormond Beach *Land Development Code*, is hereby amended as follows:

**Sec. 3-21. Wetlands protection**

(a) through (g) *(no change to existing text)*

(h) *Buffer requirements.*

(1) A buffer not less than twenty-five feet (25') in width shall be established adjacent to and surrounding all wetlands, except as provided in subsection (i) of this section, mitigation standards. Additional buffer requirements shall be required adjacent to the Halifax River, the Tomoka River and all of their associated tributaries and wetlands, as detailed in subsection (h)(4) of this section.

(2) Properties with the county environmental corridor overlay (ECO) map designation shall comply with the wetland development regulations established in the county Land Development Code.

(3) Activity which does not have a significant adverse effect on the natural function of the buffer may be permitted within the buffer without the requirement for mitigation. The activities which may be permitted include, but are not limited to pruning, planting of suitable native vegetation, removal of exotic and nuisance pioneer plant species, and the creation and maintenance of walking trails and removal of vegetation for fire prevention.

(4) The city shall require and enforce the provision and maintenance of adequate and undisturbed upland buffers of native vegetation adjacent to the Halifax River, the Tomoka River, and all of their associated tributaries and wetlands. A minimum shoreline buffer requirement shall be applied for all new development to protect wildlife and marine life habitat areas and the adjacent surface water quality. The minimum shoreline buffer shall be as follows:

a. *Tomoka River and the Little Tomoka River.*

(i) A minimum of one hundred twenty feet (120') from the mean high-water mark or an average of seventy-five feet (75'), but not less than fifty feet (50') from the upland/wetland interface line, whichever is greater. The minimum buffer may be reduced where a planned zoning

district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

(ii) Lots within the 1000 block of North U.S. Highway 1 abutting the Tomoka River: fifty feet (50') from the upland/wetland interface line.

b. *Halifax River.* A minimum of thirty feet (30') from the mean high-water line or upland/wetland interface, or as stipulated by a specific zoning district rear yard setback contained in this Land Development Code, whichever is greater. The minimum setback may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

c. *Mosquito control ditches; Strickland, Dodson and Thompson Creeks; and Misner's and Groover Branches.* A minimum of sixty feet (60') from the mean high-water mark or fifty feet (50') from the upland/wetland interface line, whichever is greater.

(5) For those waterways listed under subsection (h)(4)c of this section, the shoreline and wetland buffer may be adjusted downward on a case-by-case basis, to be no less than thirty feet (30') from the mean high-water mark or no less than twenty-five feet (25') from the upland/wetland interface, whichever is greater. A request for a reduction may be considered, provided that the associated wetland and upland buffer areas are predominantly herbaceous in nature, and the functioning values of the wetland and upland buffer areas are poor for such factors as wetland wildlife quality and quantity, sediment and turbidity control, and surface water runoff control. A determination to allow a reduction in the buffer width shall be based on a finding of conformance to all of the following criteria as conducted through the development review process:

a. The developable portion of the property is less than one hundred fifty feet (150') deep for existing lots of record, as of the date of adoption of the comprehensive plan.

b. The proposed development shall be connected to a central water and sewer system.

c. The proposed development shall not adversely impact the hydroperiod and other functioning values of the adjacent wetland as determined by review of a wetlands management plan, which is required to be submitted per this section.

(i) through (k) *(no change to existing text)*

**SECTION THREE.** All Ordinances or parts of Ordinances in conflict herewith are hereby repealed to the extent of such conflict.

**SECTION FOUR.** In the event any word, phrase, clause, sentence, paragraph, term, or provision of this Ordinance shall be held to be invalid by a court of competent jurisdiction, such judicial determination shall not affect any other word, clause, phrase, sentence, paragraph, term or provision, of this Ordinance, and the remainder of this Ordinance shall remain in full force and effect.

**SECTION FIVE.** This Ordinance shall take effect immediately upon its adoption.

**PASSED UPON** at the first reading of the City Commission, this 22nd day of July, 2025.

**PASSED UPON** at the second and final reading of the City Commission, this 5th day of August, 2025.

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# PLANNING BOARD
# STAFF REPORT
## Land Development Code (LDC) Amendments 1000 block of North US Highway 1 Abutting the Tomoka River, Greenbelt and Gateway Preservation District and Wetland Buffer

| | |
|---|---|
| **PLANNING BOARD DATE:** | May 8, 2025 |
| **TENTATIVE CITY COMMISSION DATES:** | July 22, 2025 (1st Reading); August 5, 2025 (2nd Reading) |
| **APPLICANT:** | Administrative |
| **PROJECT NUMBER:** | LDC 2025-157 |
| **SUBJECT:** | LDC amendments: 1000 block of North U.S. Highway 1, abutting the Tomoka River:<br>1. Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts; and<br>2. Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements |
| **PLANNING STAFF RECOMMENDATION:** | Approval |
| **STAFF CONTACT:** | Steven Spraker, AICP, Planning Director |

**SECTION 1, INTRODUCTION:** This is an application for administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements. The purpose of the Land Development Code amendments is to provide the properties within the 1000 block of North U.S. Highway 1, abutting the Tomoka River, the same landscape buffer and wetland buffer requirements as existing when the properties were located in unincorporated Volusia County.

**SECTION 2, BACKGROUND:** In 2014, an Interlocal Service Boundary Agreement between the City of Ormond Beach and the County of Volusia was created. A detailed history of the Interlocal Service Boundary Agreement is provided in Exhibit 2. The agreement allows the City of Ormond Beach land use, zoning, and code enforcement authority within the North U.S.1 corridor, whether the property is within the City of Ormond Beach or unincorporated Volusia County. The property subject to Land Development Code amendments are part of the Interlocal Service Boundary Agreement.

There was an inquiry from a contract purchaser regarding the property at 1003 and 1005 North U.S. Highway 1. These properties are currently vacant, and a restaurant existed at one time which was demolished. The property at 1003 North U.S. Highway 1 was annexed into Ormond Beach in 2016, and 1005 North U.S. Highway 1 was annexed into Ormond Beach in 2025. As part of the conceptual development plan, landscape and wetland buffers were identified as key components of site development. Within this area of North U.S. Highway 1, 1001 North U.S. Highway 1 is developed as the Tomoka Boat Club and is within unincorporated Volusia County. The property at 1009 North U.S. Highway 1 is not part of the Interlocal Service Boundary Agreement and is within unincorporated Volusia County. The land area of North U.S. Highway 1, abutting the Tomoka River, subject to this amendment is shown in Exhibit 1.

**Exhibit 1: Area of U.S. Highway 1, abutting the Tomoka River:**



The history of the Interlocal Service Boundary Agreement is detailed below:

**Exhibit 2: History of the Interlocal Service Boundary Agreement:**

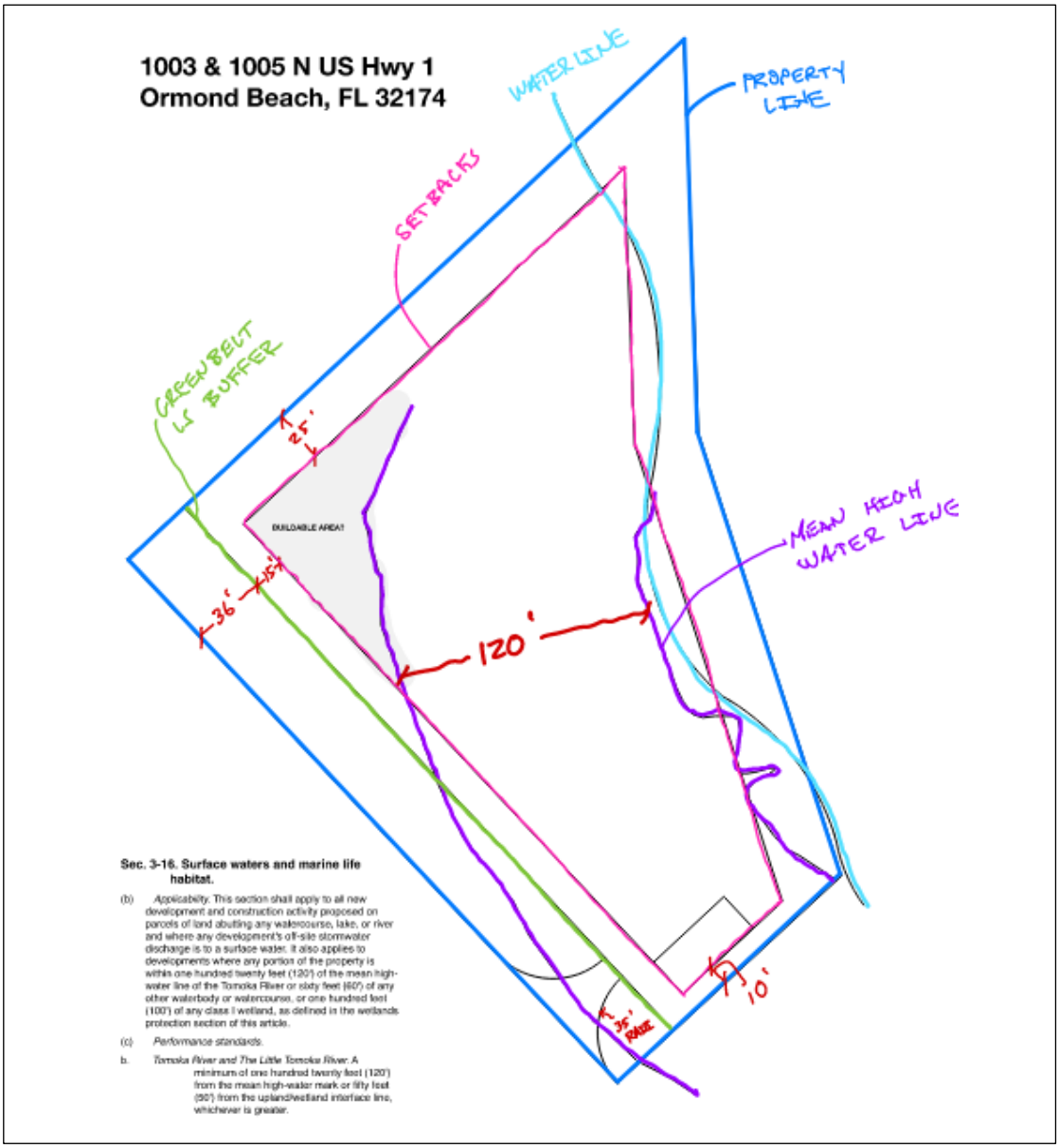
| Action/Approval Date | Description |
|---|---|
| **April 7, 1992**<br>Resolution 1992-70 | Authorized the construction of potable water and sanitary sewer force mains along North U.S. Highway 1 from the south terminus going north to 1899 North U.S. Highway 1 for the City Provisioners project and the execution of a joint project agreement between Ormond Beach and Volusia County. |
| **September 7, 2010**<br>Resolution 2010-131 | Ormond Beach initiated the process to create an Interlocal Service Boundary area established by Chapter 171, Part II, Florida Statutes. |
| **October 7, 2010**<br>Volusia County<br>Resolution 2010-05 | Responding Resolution from Volusia County identifying certain issues along the North U.S. 1 corridor. |
| **August 19, 2014**<br>Ordinance 2014-27 | Authorized the execution of the Interlocal Service Boundary Agreement with Volusia County regarding the North U.S. 1 Joint planning area. The Ordinance also approved a Planning and Services Delivery Sub-Agreement, as well as itinerant vendor criteria. Ormond Beach took control of land use planning, zoning, permitting, and code enforcement of the Interlocal Service Boundary Agreement for properties within Ormond Beach and unincorporated Volusia County. The agreement specified Volusia County would continue maintaining stormwater conveyance systems and when roadways would transfer to Ormond Beach. |
| **August 21, 2014**<br>Volusia County<br>Ordinance 2014-12 | Approved and authorized the execution of an Interlocal Service Boundary Agreement between Volusia County and the City of Ormond Beach. |
| **January 20, 2015**<br>Ordinance 2014-42 | Amended the Future Land Use Element and Intergovernmental Coordination Element of the city's Comprehensive Land Use Plan concerning the land in the Joint Planning Area and Municipal Service Area. |
| **January 20, 2015**<br>Ordinance 2015-5 | Amended the City's Future Land Use Map designation concerning lands in the Interlocal Service Boundary Agreement/Joint Planning Area. |

| Action/Approval Date | Description |
|---|---|
| **April 7, 2015**<br>Ordinances 2015-13 & 14 | Amended the city's Official Zoning Map to rezone the lands in the Joint Planning Area and Municipal Service Area. |
| **June 23, 2015**<br>Ordinance 2015-27 | Amended the Land Development Code to include itinerant merchant regulations for recognized special events and outdoor entertainment activity and temporary campsites in two categories:<br>1. All properties operating year-round businesses with documented Business Tax Receipts with Volusia County were placed on the "Recognized Special Event Host" list and allowed to continue operating itinerant activities with approved City permits.<br>2. The vacant or unimproved properties had a five (5) year period to establish a permanent business to be classified as a recognized special event host. Failure to establish a permanent business would not allow any itinerant vending activities after the five (5) year amortization period. |
| **June 23, 2015**<br>Resolution 2015-136 | Ormond Beach acknowledged the completion of certain matters regarding the establishment and implementation of the North U.S. Highway 1 Joint Planning and Municipal Service Area, acknowledging the City has acquired jurisdictional authority over the lands in the joint project and municipal service area. |
| **August 20, 2019**<br>Ordinance 2019-19 | Approved and authorized the first amended Interlocal Service Boundary Agreement between the City of Ormond Beach and the County of Volusia, which includes a map of the land area of the Plantation Oaks subdivision and any enclaves. The Plantation Oaks land area is approximately 1,034 acres. |
| **September 17, 2019**<br>Volusia County<br>Resolution 2019-15 | Approved and authorized an amendment to the boundaries of the Interlocal Service Boundary Agreement with the City of Ormond Beach. |
| **January 21, 2020**<br>Ordinance 2019-43 | Amended the Future Land Use Map designations for the Plantation Oaks subdivision and the 11 enclaves within the First Amended Interlocal Service Boundary Agreement Area. |
| **January 21, 2020**<br>Ordinance 2019-44 | Amended the Future Land Use, Transportation, and the Intergovernmental Coordination Comprehensive Plan |

| Action/Approval Date | Description |
|---|---|
| | Elements to be consistent with the First Amended Interlocal Service Boundary Agreement. |
| **August 18, 2020**<br>Ordinance 2019-38 | Zoning Map Amendment for the enclave parcels associated with the Plantation Oaks Interlocal Service Boundary Agreement amendment. |
| **February 2, 2021**<br>Ordinance 2021-03 | Zoning Map Amendment for the Plantation Oaks subdivision incorporating the previous Volusia County approvals. |
| **December 7, 2021**<br>Ordinance 2021-43 | Approved and authorized the second amended Interlocal Service Boundary Agreement between the City of Ormond Beach and the County of Volusia, which includes a map of the land area of the RidgeHaven subdivision and any enclaves. The land area is 89.99 acres. |
| **February 15, 2022**<br>Volusia County<br>Ordinance 2022-09 | Volusia County approved and authorized the execution of a second amended Interlocal Service Boundary Agreement regarding the North U.S.1 Joint Planning and Municipal Service Area. |
| **July 19, 2022**<br>Ordinance 2022-14 | Comprehensive Plan text amendments for the second amended Interlocal Service Boundary Agreement. |
| **August 3, 2022**<br>Ordinance 2022-18 | Comprehensive Plan future land use map amendments related to the second amended Interlocal Service Boundary Agreement. |
| **November 1, 2022**<br>Ordinance 2022-36 | Zoning Map Amendment for the enclave parcels associated with the RidgeHaven Interlocal Service Boundary Agreement amendment. |
| **June 4, 2024**<br>Ordinance 2024-09 | Renewal of an Interlocal Service Boundary Agreement and a Planning sub-agreement, between Ormond Beach and the County of Volusia regarding the North U.S. 1 Joint Planning and Municipal Service Area for a period of ten (10) years. |

As part of the conceptual site plan process, an engineer developed a buildable area of 1003 and 1005 North U.S. Highway 1 which is included as Exhibit 3.

**Exhibit 3: Buildable Area Concept Plan:**




The buildable area exhibit highlighted two Land Development Code standards that differed from when the property was located in unincorporated Volusia County:

**Exhibit 4: Landscape and Wetland Buffer Comparison:**

| Standard | Unincorporated Volusia County | Ormond Beach |
|---|---|---|
| Landscape Buffer along U.S. Highway 1 | 20’ | 36’ |
| Wetland buffer | 50’ | 120’ |

A key consideration of the parcels in the 1000 block of North U.S. Highway 1, abutting the Tomoka River, is the limited lot depth between U.S. Highway1 and the Tomoka River. The application of the Ormond Beach landscape and wetland buffers, as the result of the implementation of the Interlocal Service Boundary Agreement, would restrict development potential on the properties in the 1000 block of North U.S. Highway 1. The purpose of the Land Development Code amendment is to re-establish the landscape requirement along North U.S. Highway 1 and the wetland buffer as it existed in unincorporated Volusia County. Included in ATTACHMENT 2 is a verification of the landscape and wetland buffer standards when the property was located in unincorporated Volusia County.

**ANALYSIS:** These are administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements. The purpose of the Land Development Code amendments is to provide the properties within the 1000 block of North U.S. Highway 1 the same landscape buffer and wetland buffer requirements as existed when the properties were located in unincorporated Volusia County. The underlined text are additions to the original text and ~~strike through~~ are the deleted text of the amendment.

**Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts**

(a) *Purpose and intent* ****No change to existing text*****

(b) *Scope* ****No change to existing text*****

(c) *Design criteria.*

(1) *Landscape buffer requirements.*

a. The following standards shall apply to single-family residential developments in which access to individual homes is provided from internal streets except for those abutting I-95 (see figure 1):

1. There shall be a ten-foot (10') wide landscaped buffer on the designated greenbelt route side of a minimum five-foot (5') high wall constructed of brick or other type of finished masonry which is compatible with the architectural design of the development; both the wall and the landscaped buffer shall be in a common area under the ownership and maintenance responsibility of the development's homeowners' association, which responsibility shall be clearly established in the restrictive covenants for the development. Where existing vegetation between the wall and right-of-way line is insufficient, additional predominantly native material is to be planted so that no more than thirty feet (30') of wall remains unbuffered by vegetation. (Each plant grouping between areas of devoid planted wall face shall have a minimum of thirty (30) square feet of planted area.) In situations where placing the wall, as described in this section, will severely impact the existing vegetation, the landscape architect may approve relocating the wall to the rear of the greenbelt landscape buffer.

2. There shall be a fifteen-foot (15') landscaped buffer, to include trees, on the homeowners' side of the aforesaid wall; this landscaped buffer shall be established as a conservation easement in favor of the homeowners' association, but with the city having the right to enforce the easement in instances when the association may fail or refuse to do so, such enforcement to be at the expense of the association and the owner of the lot on which the enforcement action becomes necessary.
3. All principal and accessory residential structures and screen enclosures shall be set back a minimum of ten feet (10') from the landscaped buffer.
4. Except when there is established on the plat a minimum rear yard setback of at least thirty feet (30'), the plat and the restrictive covenants for the development shall prohibit swimming pools in the rear yards of lots abutting designated greenbelt routes; said thirty feet (30') may include the required ten-foot (10') landscaped buffer described in subsection (c)(1)a2 of this section.
5. The special landscape requirements in subsections (c)(2)a and in (c)(2)d through (2)o of this section, inclusive, shall apply to this section.

b. The following standards shall apply to all development projects:
   1. A minimum thirty-six-foot (36') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.
   2. For lots in existence prior to April 3, 1984, with an average lot depth of less than two hundred feet (200') and for lots which are reduced to an average lot depth of less than two hundred feet (200') as a result of an eminent domain proceeding, a minimum twenty-five-foot (25') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.

c. The following standards shall apply to all development projects abutting I-95:
   1. A minimum sixty-foot (60') wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.
   2. A minimum twenty-five-foot (25') wide landscape buffer area shall be provided between any new access road and a designated greenbelt route.
   3. All of the special landscape requirements listed in subsections (c)(2)a through (2)o, inclusive, of this section shall apply to all development projects abutting I-95.

d. The following standards shall apply to all development projects between U.S. 1 and Dodson's Creek: a minimum twenty-foot (20') wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

e. The following standards shall apply to lots within the 1000 block of North U.S. Highway 1 abutting the Tomoka River: a minimum twenty-foot (20')-wide landscaped buffer shall be required on those sides of any lot which abut the designated greenbelt route.

Figure 10.1 - ****No change to existing text****

(2) *Special landscape requirements. ***No change to existing text****

*(3) Signs. ***No change to existing text****

*(4) Architecture.***No change to existing text****

**Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements**

(h) *Buffer requirements.*

(1) A buffer not less than twenty-five feet (25') in width shall be established adjacent to and surrounding all wetlands, except as provided in subsection (i) of this section, mitigation standards. Additional buffer requirements shall be required adjacent to the Halifax River, the Tomoka River and all of their associated tributaries and wetlands, as detailed in subsection (h)(4) of this section.

(2) Properties with the county environmental corridor overlay (ECO) map designation shall comply with the wetland development regulations established in the county Land Development Code.

(3) Activity which does not have a significant adverse effect on the natural function of the buffer may be permitted within the buffer without the requirement for mitigation. The activities which may be permitted include, but are not limited to pruning, planting of suitable native vegetation, removal of exotic and nuisance pioneer plant species, and the creation and maintenance of walking trails and removal of vegetation for fire prevention.

(4) The city shall require and enforce the provision and maintenance of adequate and undisturbed upland buffers of native vegetation adjacent to the Halifax River, the Tomoka River, and all of their associated tributaries and wetlands. A minimum shoreline buffer requirement shall be applied for all new development to protect wildlife and marine life habitat areas and the adjacent surface water quality. The minimum shoreline buffer shall be as follows:

a. *Tomoka River and the Little Tomoka River.*

(i) A minimum of one hundred twenty feet (120') from the mean high-water mark or an average of seventy-five feet (75'), but not less than fifty feet (50') from the upland/wetland interface line, whichever is greater. The minimum buffer may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

(ii) Lots within the 1000 block of North U.S. Highway 1 abutting the Tomoka River: fifty feet (50') from the upland/wetland interface line.

b. *Halifax River.* A minimum of thirty feet (30') from the mean high-water line or upland/wetland interface, or as stipulated by a specific zoning district rear yard setback contained in this Land Development Code, whichever is greater. The minimum setback may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

c. *Mosquito control ditches; Strickland, Dodson and Thompson Creeks; and Misner's and Groover Branches.* A minimum of sixty feet (60') from the mean high-water mark or fifty feet (50') from the upland/wetland interface line, whichever is greater.

(5) For those waterways listed under subsection (h)(4)c of this section, the shoreline and wetland buffer may be adjusted downward on a case-by-case basis, to be no less than thirty feet (30') from the mean high-water mark or no less than twenty-five feet (25') from the upland/wetland interface, whichever is greater. A request for a reduction may be considered, provided that the associated wetland and upland buffer areas are predominantly herbaceous in nature, and the functioning values of the wetland and upland buffer areas are poor for such factors as wetland wildlife quality and quantity, sediment and turbidity control, and surface water runoff control. A determination to allow a reduction in the buffer width shall be based on a finding of conformance to all of the following criteria as conducted through the development review process:

a. The developable portion of the property is less than one hundred fifty feet (150') deep for existing lots of record, as of the date of adoption of the comprehensive plan.

b. The proposed development shall be connected to a central water and sewer system.

c. The proposed development shall not adversely impact the hydroperiod and other functioning values of the adjacent wetland as determined by review of a wetlands management plan, which is required to be submitted per this section.

**CONCLUSION:**

Section 1-15(e) of the Land Development Code requires certain criteria that must be evaluated before adoption of a Land Development Code amendment when making their recommendation, as follows:

1. **The proposed development conforms to the standards and requirements of this Code and will not create undue crowding beyond the conditions normally permitted in the zoning district, or adversely affect the public health, safety, welfare or quality of life.**

   There is no development proposed as part of the proposed amendment. This is an administrative amendment based upon parcels with unique characteristics abutting the Tomoka River. When the Interlocal Service Boundary Agreement was implemented in 2014, the North U.S. Highway 1 landscape buffer went from 20’ (Volusia County) to 36’(City of Ormond Beach) on these properties. The wetland buffer also increased from 50’ (Volusia County) to 120’ (City of Ormond Beach) on these properties. There are similar properties along the North U.S. 1 corridor along the 700 and 800 blocks that have reduced landscape and wetland buffers. This amendment will not create undue crowding beyond the conditions normally permitted in the zoning district, or adversely affect the public health, safety, welfare or quality of life.

2. **The proposed development is consistent with the Comprehensive Plan.**

   The proposed Land Development Code amendment is consistent with the Comprehensive Plan. Objective 2.1 of the Future Land Use Element of the Comprehensive Plan discussed the need to update Land Development Code regulations.

3. **The proposed development will not adversely impact environmentally sensitive lands or natural resources, including but not limited to waterbodies, wetlands, xeric communities, wildlife habitats, endangered or threatened plants and animal species or species of special concern, wellfields, and individual wells.**

   The proposed Land Development Code amendment does not approve any site-specific development and will not have an adverse impact on environmentally sensitive lands. This is an administrative amendment based on the uniqueness of individual properties and utilize the Volusia County standards that existed prior to the implementation of the Interlocal Service Boundary Agreement.

4. **The proposed use will not substantially or permanently depreciate the value of surrounding property; create a nuisance; or deprive adjoining properties of adequate light and air; create excessive noise, odor, glare, or visual impacts on the neighborhood and adjoining properties**.

   The proposed Land Development Code amendment does not approve any site-specific development and will not have any impacts on surrounding properties.

5. **There are adequate public facilities to serve the development, including but not limited to roads, sidewalks, bike paths, potable water, wastewater treatment, drainage, fire and police safety, parks and recreation facilities, schools, and playgrounds.**

   This is an administrative amendment regarding landscaping and wetland buffers. A concurrency analysis will be included with the submittal of a site plan application. The proposed amendment would not have a negative impact on public facilities.

6. **Ingress and egress to the property and traffic patterns are designed to protect and promote motorized vehicle and pedestrian/bicycle safety and convenience, allow for desirable traffic flow and control, and provide adequate access in case of fire or catastrophe. This finding shall be based on a traffic report where available, prepared by a qualified traffic consultant, engineer or planner which details the anticipated or projected effect of the project on adjacent roads and the impact on public safety.**

   There is no development proposed as part of the proposed amendment. The application pertains to a Land Development Code amendment.

7. **The proposed development is functional in the use of space and aesthetically acceptable.**

   There is no development proposed as part of the proposed amendment. This is an administrative amendment regarding landscaping and wetland buffers.

8. **The proposed development provides for the safety of occupants and visitors.**

   There is no development proposed as part of the proposed amendment. This is an administrative amendment regarding landscaping and wetland buffers.

**9. The proposed use of materials and architectural features will not adversely impact the neighborhood and aesthetics of the area.**

There is no development proposed as part of the proposed amendment. This is an administrative amendment regarding landscaping and wetland buffers.

**10. The testimony provided at public hearings**.

There has not been a public hearing at this time. The comments from the Planning Board meeting will be incorporated into the City Commission packet.

**RECOMMENDATION:** It is recommended that the Planning Board **APPROVE** administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements. The purpose of the Land Development Code amendments is to provide the properties within the 1000 block of North U.S Highway 1 the same landscape buffer and wetland buffer requirements as existed when the properties were located in unincorporated Volusia County. The proposed amendments are included in ATTACHMENT 1.

Attachment 1: Proposed Land Development Code
Attachment 2: E-mail confirming Volusia County landscape and wetland standards

# ATTACHMENT 1

Greenbelt and Gateway Preservation District and Wetland Buffer, Land Development Code amendment

1000 block of North US Highway 1

**Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts**

(a) *Purpose and intent* ***No change to existing text***

(b) *Scope* ***No change to existing text***

(c) *Design criteria.*

(1) *Landscape buffer requirements.*

a. The following standards shall apply to single-family residential developments in which access to individual homes is provided from internal streets except for those abutting I-95 (see figure 1):

1. There shall be a ten-foot (10') wide landscaped buffer on the designated greenbelt route side of a minimum five-foot (5') high wall constructed of brick or other type of finished masonry which is compatible with the architectural design of the development; both the wall and the landscaped buffer shall be in a common area under the ownership and maintenance responsibility of the development's homeowners' association, which responsibility shall be clearly established in the restrictive covenants for the development. Where existing vegetation between the wall and right-of-way line is insufficient, additional predominantly native material is to be planted so that no more than thirty feet (30') of wall remains unbuffered by vegetation. (Each plant grouping between areas of devoid planted wall face shall have a minimum of thirty (30) square feet of planted area.) In situations where placing the wall, as described in this section, will severely impact the existing vegetation, the landscape architect may approve relocating the wall to the rear of the greenbelt landscape buffer.

2. There shall be a fifteen-foot (15') landscaped buffer, to include trees, on the homeowners' side of the aforesaid wall; this landscaped buffer shall be established as a conservation easement in favor of the homeowners' association, but with the city having the right to enforce the easement in instances when the association may fail or refuse to do so, such enforcement to be at the expense of the association and the owner of the lot on which the enforcement action becomes necessary.

3. All principal and accessory residential structures and screen enclosures shall be set back a minimum of ten feet (10') from the landscaped buffer.

4. Except when there is established on the plat a minimum rear yard setback of at least thirty feet (30'), the plat and the restrictive covenants for the development shall prohibit swimming pools in the rear yards of lots abutting designated greenbelt routes; said thirty feet (30') may include the required ten-foot (10') landscaped buffer described in subsection (c)(1)a2 of this section.

5. The special landscape requirements in subsections (c)(2)a and in (c)(2)d through (2)o of this section, inclusive, shall apply to this section.

b. The following standards shall apply to all development projects:

1. A minimum thirty-six-foot (36') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.

2. For lots in existence prior to April 3, 1984, with an average lot depth of less than two hundred feet (200') and for lots which are reduced to an average lot depth of less than two hundred feet (200') as a result of an eminent domain proceeding, a minimum twenty-five-foot (25') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.

c. The following standards shall apply to all development projects abutting I-95:

1. A minimum sixty-foot (60') wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

2. A minimum twenty-five-foot (25') wide landscape buffer area shall be provided between any new access road and a designated greenbelt route.

3. All of the special landscape requirements listed in subsections (c)(2)a through (2)o, inclusive, of this section shall apply to all development projects abutting I-95.

d. The following standards shall apply to all development projects between U.S. 1 and Dodson's Creek: a minimum twenty-foot (20') wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

e. The following standards shall apply to lots within the 1000 block of North U.S. Highway 1 abutting the Tomoka River: a minimum twenty-foot (20')-wide landscape buffer shall be required on those sides of any lot which abut the designated greenbelt route.

Figure 10.1 - ****No change to existing text****

*(2) Special landscape requirements. ***No change to existing text****

*(3) Signs. ***No change to existing text****

*(4) Architecture.***No change to existing text****

**Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements**

(h) *Buffer requirements.*

(1) A buffer not less than twenty-five feet (25') in width shall be established adjacent to and surrounding all wetlands, except as provided in subsection (i) of this section, mitigation standards. Additional buffer requirements shall be required adjacent to the Halifax River, the Tomoka River and all of their associated tributaries and wetlands, as detailed in subsection (h)(4) of this section.

(2) Properties with the county environmental corridor overlay (ECO) map designation shall comply with the wetland development regulations established in the county Land Development Code.

(3) Activity which does not have a significant adverse effect on the natural function of the buffer may be permitted within the buffer without the requirement for mitigation. The activities which may be permitted include, but are not limited to pruning, planting of suitable native vegetation, removal of exotic and nuisance pioneer plant species, and the creation and maintenance of walking trails and removal of vegetation for fire prevention.

(4) The city shall require and enforce the provision and maintenance of adequate and undisturbed upland buffers of native vegetation adjacent to the Halifax River, the Tomoka River, and all of their associated tributaries and wetlands. A minimum shoreline buffer requirement shall be applied for all new development to protect wildlife and marine life habitat areas and the adjacent surface water quality. The minimum shoreline buffer shall be as follows:

a. *Tomoka River and the Little Tomoka River.*

(i) A minimum of one hundred twenty feet (120') from the mean high-water mark or an average of seventy-five feet (75'), but not less than fifty feet (50') from the upland/wetland interface line, whichever is greater. The minimum buffer may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

(ii) Lots within the 1000 block of North U.S. Highway 1 abutting the Tomoka River: fifty feet (50') from the upland/wetland interface line.

b. *Halifax River.* A minimum of thirty feet (30') from the mean high-water line or upland/wetland interface, or as stipulated by a specific zoning district rear yard setback contained in this Land Development Code, whichever is greater. The minimum setback may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

c. *Mosquito control ditches; Strickland, Dodson and Thompson Creeks; and Misner's and Groover Branches.* A minimum of sixty feet (60') from the mean high-water mark or fifty feet (50') from the upland/wetland interface line, whichever is greater.

(5) For those waterways listed under subsection (h)(4)c of this section, the shoreline and wetland buffer may be adjusted downward on a case-by-case basis, to be no less than thirty feet (30') from the mean high-water mark or no less than twenty-five feet (25') from the upland/wetland interface, whichever is greater. A request for a reduction may be considered, provided that the associated wetland and upland buffer areas are predominantly herbaceous in nature, and the functioning values of the wetland and upland buffer areas are poor for such factors as wetland wildlife quality and quantity, sediment and turbidity control, and surface water runoff control. A determination to allow a reduction in the buffer width shall be based on a finding of conformance to all of the following criteria as conducted through the development review process:

a. The developable portion of the property is less than one hundred fifty feet (150') deep for existing lots of record, as of the date of adoption of the comprehensive plan.

b. The proposed development shall be connected to a central water and sewer system.

c. The proposed development shall not adversely impact the hydroperiod and other functioning values of the adjacent wetland as determined by review of a wetlands management plan, which is required to be submitted per this section.

# ATTACHMENT 2

Volusia County E-mail regarding landscape and wetland buffer requirements

**From:** Keith Abrahamson <KAbrahamson@volusia.org>
**Sent:** Monday, March 31, 2025 2:55 PM
**To:** Spraker, Steven
**Subject:** RE: [EX] Volusia County Wetland and Landscape Standards for 1001, 1003, and 1005 N US Highway 1

**[External Email–Use Caution] – OB/IT Helpdesk**

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Good afternoon,

The upland buffer would be 50 foot in that area. I asked Scott Ashley our Zoning Manger about the landscape question, and he stated there is a 20-foot landscape buffer along US 1. If the lot on the north side is commercial to single family then the north side landscape buffer is 25-feet and if it is commercial to commercial the buffer would be 10-feet.

Keith Abrahamson
County Forester
Environmental Management
County of Volusia FL
(386) 736-5927 ext. 12079

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**From:** Spraker, Steven <Steven.Spraker@ormondbeach.org>
**Sent:** Monday, March 31, 2025 11:10 AM
**To:** Keith Abrahamson <KAbrahamson@volusia.org>
**Subject:** [EX] Volusia County Wetland and Landscape Standards for 1001, 1003, and 1005 N US Highway 1

**CAUTION:** This email originated from outside Volusia County's email system. **DO NOT CLICK** links or attachments unless you recognize the sender and/or know the content is safe.

**Good morning,**

The properties at 1003 and 1005 North US 1 have been exploring development options. As the conceptual meetings progressed, it appears that the developable areas are impacted by wetland buffer and Greenbelt buffer requirements based on annexation into Ormond Beach. Please see attachment Concept - 2025-03-09.pdf for the buildable area. The parcels are part of the Interlocal Service Boundary Agreement area. 1003 North US Highway 1 was annexed in 2016. 1005 North US Highway 1 is under application for annexation. The buildable area issues would also apply to 1001 North US Highway 1 (Tomoka Boat Club) which is still in unincorporated Volusia County and within the Interlocal Service Boundary Agreement area.

The Ormond Beach Land Development Code sections state:

The two Land Development Code sections creating the reduction of buildable area are:

1. Section 2-73(c)(1)(b)(1) of the Land Development Code states:

   The following standards shall apply to all development projects other than single-family residential developments, in which access to individual homes is provided from internal streets, those projects abutting I-95 and those developments located between U.S. 1 and Dodson's Creek (see figure 1):

   1. A minimum thirty-six-foot (36') wide landscaped buffer area shall be required on those sides of a lot which abut a designated greenbelt route.

2. Section 3-21(h)(4) of the Land Development Code:

   (4) The city shall require and enforce the provision and maintenance of adequate and undisturbed upland buffers of native vegetation adjacent to the Halifax River, the Tomoka River, and all of their associated tributaries and wetlands. A minimum shoreline buffer requirement shall be applied for all new development to protect wildlife and marine life habitat areas and the adjacent surface water quality. The minimum shoreline buffer shall be as follows:

   a. *Tomoka River and the Little Tomoka River.* A minimum of one hundred twenty feet (120') from the mean high-water mark or an average of seventy-five feet (75'), but not less than fifty feet (50') from the upland/wetland interface line, whichever is greater. The minimum buffer may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

   b. *Halifax River.* A minimum of thirty feet (30') from the mean high-water line or upland/wetland interface, or as stipulated by a specific zoning district rear yard setback contained in this Land Development Code, whichever is greater. The minimum setback may be reduced where a planned zoning district is approved for sites where a bluff of ten feet (10') above the mean high-water mark exists along the river.

   c. *Mosquito control ditches; Strickland, Dodson, and Thompson Creeks; and Misner's and Groover Branches.* A minimum of sixty feet (60') from the mean high-water mark or fifty feet (50') from the upland/wetland interface line, whichever is greater.

**Can you please advise what the wetland buffer and landscape buffer (along Highway US 1) requirements were for the properties when they were located in unincorporated Volusia County?**

The three properities in this area are unique and staff is exploring potential Land Development Code amendments to ensure the wetland buffer and landscape buffer along North US Highway 1 are the same as existed in Volusia County.

Please contact me with any questions.  Thank you

Steven

Steven Spraker, AICP
Planning Director

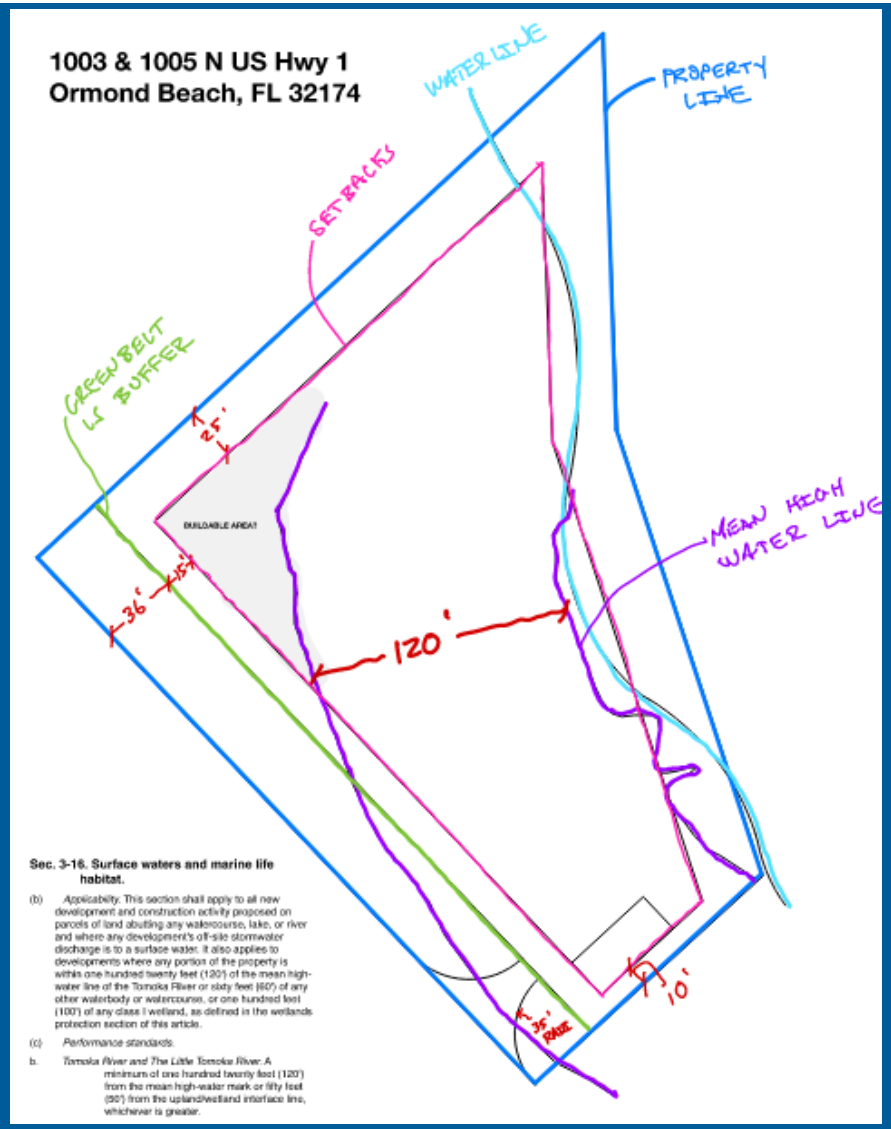
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Direct Line: 386.676.3341
Department: 386.676.3238
Cell: 386.366.1590
Fax: 386.676.3361
E-mail: Steven.Spraker@ormondbeach.org

# Land Development Code Amendments
# 1000 block of North US Highway 1 Abutting the Tomoka River, Greenbelt and Gateway Preservation District and Wetland Buffer




- ❑ Part of the Interlocal Service Boundary Agreement Area – Effective 2014
- ❑ 1003 North U.S. Highway 1 – annexed in 2016
- ❑ 1005 North U.S. Highway 1 – annexed in 2025
- ❑ 1001 North U.S. Highway 1 – in unincorporated Volusia County

# Land Development Code Amendments
# 1000 block of North US Highway 1 Abutting the Tomoka River, Greenbelt and Gateway Preservation District and Wetland Buffer




**Landscape and Wetland Buffer Comparison:**

| Standard | Unincorporated Volusia County | Ormond Beach |
|---|---|---|
| Landscape Buffer along U.S. Highway 1 | 20’ | 36’ |
| Wetland buffer | 50’ | 120’ |

# Land Development Code Amendments
# 1000 block of North US Highway 1 Abutting the Tomoka River, Greenbelt and Gateway Preservation District and Wetland Buffer

## Planning Board Recommendation: Approval

# Planning Board minutes from

# May 8, 2025

ITEM:

PZ-2025-157

Land Development Code Amendments
1000 block of North US Highway 1
Abutting the Tomoka River

**Recommended for Approval: 6-0**

**Mr. Jorczak moved to approve the April 10, 2025 Minutes. Mr. Gentry seconded the motion. The minutes were unanimously approved (6-0).**

## VI. PLANNING DIRECTOR'S REPORT

There was no Planning Director's report.

## VII. PUBLIC HEARINGS

### A. PZ-2025-157, Land Development Code, 1000 Block of U.S. Highway 1 Abutting the Tomoka River, Greenbelt and Gateway Preservation District and Wetland Buffer

Mr. Steven Spraker, Planning Director, explained the Land Development Code (LDC) amendment request that focuses on the 1000 Block of N. U.S. Highway 1, abutting the Tomoka River, where it involves Greenbelt and wetland buffer amendments. He continued that the area is part of the Interlocal Service Boundary Area (ISBA), which was done in 2014 and states that anything along the corridor, whether in unincorporated Volusia County or in the City of Ormond Beach, it is under the jurisdiction of Ormond Beach for land use, zoning, and code enforcement, and allows Ormond Beach control of it.

Mr. Spraker stated that 1003 N. U.S. Highway 1 was annexed in 2016 and 1005 N. U.S. Highway 1 annexed this year in 2025. The Tomoka Boat Club at 1001 N. U.S. Highway 1 is still in unincorporated Volusia County. Mr. Spraker continued that the contract purchaser of the subject property addressed the Site Plan Review Committee (SPRC) meeting with their engineer, sharing an exhibit that showed the impacts of the wetland and the landscape buffers on the project that is next to the Tomoka River and U.S. Highway 1, the Greenbelt corridor.

Mr. Spraker explained as part of the amendment process, the existing standards were reviewed in unincorporated Volusia County, versus what exists in the City of Ormond Beach, and expanded on how when the ISBA was created, it increased both the landscape buffer 20' to 36' and the wetland buffer from 50'to 120', which greatly impacts the developability of the property.

Mr. Spraker displayed other properties along U.S. Highway 1 overhead in comparison, showing how the 700 to 800 block of U.S. Highway 1 had similar conditions where Dodson Creek is, where they had reduced wetland and landscape buffers in order to allow the parcels to be buildable. Mr. Spraker added that the ISBA impacted the buildability of the property.

Mr. Spraker stated that the goal is to set it back to what existed in Volusia County. Staff went to Volusia County to discuss their development standards, explaining the amendment to reset it back to those development standards. Mr. Spraker concluded that staff is recommending approval.

#### Board Questions

Ms. Shull asked for clarification on the amendment request. Mr. Spraker replied that the ask is for a buffer reduction. The amendment would set it back to a 20'-buffer for a more buildable parcel. He explained that the contract purchaser initially was looking into building multi-family and is no longer pursuing it.

DRAFT

Mr. Spraker stated that a similar thing was done with electronic changeable copy signage at Destination Daytona. Previously, the City did not allow it and did it in the Phase 2 development since the County allowed it. Mr. Spraker stated that the City is not taking away rights and that in most cases, the landscape and wetland buffers are going to be fine. He concluded that this is a unique area, with three properties that have a unique affect.

Chairman Thomas brought it back up to the Board for questions and entertained a motion.

Ms. Shull stated that she does not agree with the amendment due to it being a special waterfront location and expressed concern with making the buffer less, asking why it was not included in the ISBA. He added that a site-specific analysis was not done until something was looking to be built there. Mr. Spraker explained that once it was noticed, it was a decision to seek amendments to go back to the County's standards so that it could be buildable.

Attorney Hayes contributed information to the topic at hand, explaining that in a normal sequence of annexing property from unincorporated County to the City, the County's land regulations continue to apply after annexation until the City goes through the process of bringing the property under the City of Ormond Beach umbrella. Attorney Hayes suggested giving it the same types of allowable uses that existed in the City or it takes certain rights away and creates a window of liability for the City.

Attorney Hayes stated that the ISBA that was entered in between the City and County in 1981 and revisited later when there were issues on N. U.S. Highway 1, when the legislature created a mechanism in the statute at the time, where the City created a joint planning area in order to annex some properties for which the City had annexation agreements but did not have the practicality to annex at the time. Attorney Hayes added the City applied their own zoning and land use regulations. He explained that the properties on the subject property-end of the service area were not in consideration of at the time. He explained that it was not intended to create a regulation that restricted rights over that which was in the County.

Attorney Hayes stated that staff is proposing a means by which to ameliorate the situation that was created. He concluded that he recommends the Board's favorable consideration to staff's recommendation.

Mr. Railsback commented that the current improvements on a couple of the sites were under the Volusia County setbacks, such as the Volusia County Boat Club, which would have met the 20' to the 50'-buffer. He added that if it goes back to the County standards, it will give the same development entitlements as the County.

Mr. Spraker concurred and added that it was never the intention to take away development rights with the interlocal agreement. As it was brought to the City's attention, staff sought to fix it.

Mr. Galloway stated that he was supposed to be out of town but felt this was important to attend and emphasized the importance of property rights. He explained that as the community grows similar situations can also come up with the county and

city interlocal agreement. Mr. Galloway spoke further on property rights and the devaluation of property, and the exact gps spot of the property, it would not be affordable from a legal standpoint to take away from property owners what they once had by an interlocal agreement. Mr. Galloway commended staff for their attention and time on the correction of the property rights matter.

Mr. Jorczak inquired about flood studies and asked how a mean high-water mark is developed. Mr. Spraker answered that it is established by a surveyor and can change over time. He added that any development project requires state and city permitting. Mr. Spraker explained that if it is a permitted or conditional use that it will be through the Site Plan Review Committee (SPRC) and if they need a Special Exception or a Planned Development, it will come back through the Planning Board and the City Commission. He confirmed that whatever restrictions were placed by St. John's River Water Management District would apply.

Mr. Gentry asked if the City has made similar exceptions for this type of request previously. Mr. Spraker confirmed yes, in the 1990s when the Greenbelt buffer was being established, they realized the impact that it would have on the properties due to the limited depth. He concluded that they are unique properties with the need of unique regulations.

Chairman Thomas asked what could be built on the property. Mr. Spraker replied that the original application was for multi-family and that a restaurant was on the site previously. He added that it is in the B-8 zoning district and any of the uses in the B-8 can go on the property.

**Mr. Railsback motioned to approve PZ-2025-157, Land Development Code, 1000 Block of U.S. Highway 1 Abutting the Tomoka River, Greenbelt and Gateway Preservation District and Wetland Buffer. Mr. Galloway seconded it. Vote was called, and the motion was approved (6-0).**

## VIII. PUBLIC COMMENTS

None.

## IX. OTHER BUSINESS

### A. Convenience Stores, review of potential distance requirements to residential uses

Mr. Spraker explained that staff is looking for direction from the Planning Board regarding convenience stores and a potential distance to residential uses. He stated that on December 04, 2024, the Site Plan Review Committee (SPRC) received a site plan application for the redevelopment of the former Bank of America building located at 699 S. Nova Road. He added that no matter what happens with the amendment, the project will go on the path in which they submitted. Mr. Spraker continued that on February 18, 2025, at the City Commission meeting a resident expressed concerns regarding the proposed gas station along Nova Road and requested that the city review the zoning district which abuts residential areas within the city limits. Mr. Spraker stated that at the March 04, 2025, City Commission meeting, the City Commission directed city staff to look into amending the LDC regarding the distance requirements

# Ordinance Adoption
# Business Impact Estimate

Proposed ordinance's number and legal title:

**2025-21**

AN ORDINANCE AMENDING CHAPTER 2, DISTRICT AND GENERAL REGULATIONS, ARTICLE VI, OVERLAY DISTRICTS, SECTION 2-73, GREENBELT AND GATEWAY PRESERVATION DISTRICTS, SUBSECTION (C) DESIGN CRITERIA AND CHAPTER 3, PERFORMANCE STANDARDS, ARTICLE II, ENVIRONMENTAL PROTECTION STANDARDS, SECTION 3-21, WETLANDS PROTECTION, SUBSECTION H, BUFFER REQUIREMENTS, AMENDING LANDSCAPE BUFFER AND WETLAND BUFFER REQUIREMENTS CONSISTENT WITH VOLUSIA COUNTY STANDARDS FOR PROPERTIES IN THE 1000 BLOCK OF NORTH U.S. HIGHWAY 1; REPEALING ALL INCONSISTENT ORDINANCES OR PARTS THEREOF; PROVIDING FOR SEVERABILITY; AND SETTING FORTH AN EFFECTIVE DATE.

This Business Impact Estimate is provided in accordance with section 166.041(4), Florida Statutes. If one or more boxes are checked below, this means the City is of the view that a business impact estimate is not required by state law for the proposed ordinance, but the City is, nevertheless, providing this Business Impact Estimate as a courtesy and to avoid any procedural issues that could impact the enactment of the proposed ordinance. This Business Impact Estimate may be revised following its initial posting.

- ☐ The proposed ordinance is required for compliance with Federal or State law or regulation;
- ☐ The proposed ordinance relates to the issuance or refinancing of debt;
- ☐ The proposed ordinance relates to the adoption of budgets or budget amendments, including revenue sources necessary to fund the budget;
- ☐ The proposed ordinance is required to implement a contract or an agreement, including, but not limited to, any Federal, State, local, or private grant or other financial assistance accepted by the municipal government;
- ☐ The proposed ordinance is an emergency ordinance;
- ☐ The ordinance relates to procurement; or
- ☒ The proposed ordinance is enacted to implement the following:
  a. Part II of Chapter 163, Florida Statutes, relating to growth policy, county and municipal planning, and land development regulation, including zoning, development orders, development agreements and development permits;
  b. Sections 190.005 and 190.046, Florida Statutes, regarding community development districts;

c. Section 553.73, Florida Statutes, relating to the Florida Building Code; or
d. Section 633.202, Florida Statutes, relating to the Florida Fire Prevention Code.

**In accordance with the provisions of controlling law, even notwithstanding the fact that an exemption noted above may apply, the City hereby publishes the following information:**

1. **A summary of the proposed ordinance, including a statement of the public purpose to be served by the proposed ordinance, such as serving the public health, safety, morals, and welfare of the City.**

   This is an application for administrative amendments to the following Sections of the Land Development Code: (1) Chapter 2, District and General Regulations, Article VI, Overlay Districts, Section 2-73, Greenbelt and Gateway Preservation Districts and (2) Chapter 3, Performance Standards, Article II, Environmental Protection Standards, Section 3-21, Wetlands protection, subsection h, Buffer requirements. The purpose of the Land Development Code amendments is to provide the properties within the 1000 block of North U.S. Highway 1, abutting the Tomoka River, the same landscape buffer and wetland buffer requirements as existing when the properties were located in unincorporated Volusia County.

2. **An estimate of the direct economic impact of the proposed ordinance on private, for-profit businesses in the City, including the following, if any:**

   a. **An estimate of direct compliance costs that businesses may reasonably incur if the ordinance is enacted;**

      None. This is a Land Development Code amendment for the conditions for landscape buffer and wetland buffer requirements for properties within the 1000 block of North U.S. Highway 1.

   b. **Identification of any new charge or fee on businesses subject to the proposed ordinance, or for which businesses will be financially responsible; and**

      None. This is a Land Development Code amendment for the conditions for landscape buffer and wetland buffer requirements for properties within the 1000 block of North U.S. Highway 1. There are no charges or fees proposed.

   c. **An estimate of the City's regulatory costs, including an estimate of revenues from any new charges or fees that will be imposed on businesses to cover such costs.**

      None. This is a Land Development Code amendment for the conditions for landscape buffer and wetland buffer requirements for properties within the 1000 block of North U.S. Highway 1. There are no new fees proposed.

3. **A good faith estimates of the number of businesses likely to be impacted by the ordinance.**

   None. This is a Land Development Code amendment for the conditions for landscape buffer and wetland buffer requirements for properties within the 1000 block of North U.S. Highway 1.

**4. Any additional information the City determines may be useful.**

*(This section may include: methodology or data used to prepare the Business Impact Estimate, e.g., City staff solicited comments from businesses as to the potential impact of the proposed ordinance by contacting the chamber of commerce, social media posting, direct mail/email, posting on the City's website, public workshop, etc.; efforts made to reduce the potential fiscal impact on businesses; and state the proposed ordinance is a generally applicable ordinance that applies to all persons similarly situated (individuals or businesses) and, therefore, the proposed ordinance does not affect only businesses.)*

No business impacts proposed. The item was advertised by newspaper advertisements. Information on the application is also on the city's website.

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 8.B. |
| **Section** | PUBLIC HEARINGS | **Category** | Public Hearing - Resolution |
| **Subject** | 155 North Nova Road, Signage Special Exception | | |
| **Recommended Action** | The Planning Board recommended **APPROVAL** of a Special Exception to replace the former pole sign at 155 North Nova Road, granting a sign variance from the required monument sign. | | |
| **Strategic Goal** | Transportation & Community Development - Other | | |
| **Department Staff Contact** | Planning & Building<br>Steven Spraker, Planning Director | | |


Summary

This is an application submitted by Alanna Smith, Esquire, Cobb Cole, on behalf of the property owners, Dr. John C. Long Jr. and Janet G. Long, for a sign variance to allow for the replacement of a pole sign.

The subject property is located at 155 North Nova Road and is zoned B-1, Professional Office/Hospital. Section 3-47(C)(1)(a)(3) of the Land Development Code states monument signs shall be the only type of site signage allowed within the B-1 zoning district, and the application seeks to allow a pole sign based on site-specific conditions.

The property had a legal non-conforming pole sign near the intersection of North Nova Road and Shadow Lakes Boulevard, which Hurricane Milton destroyed. There is a limited landscaping area between the front property line of North Nova Road and the parking lot signs.

The Planning Board recommended approval by a vote of 7-0 of the Special Exception application. There were no individuals who spoke for or against the application.


Financial Impact

None

Citizen Impact

The special exception application seeks to allow a pole sign to be re-established based on specific site conditions after the existing pole sign was destroyed by Hurricane Milton. No citizen impacts are anticipated.

Attachments

1. 25-123 155 N Nova Road, Signage SE (P25-0078G)
2. SE DO, 155 N Nova Road, Signage SE (P25-0078G)
3. Exhibit A, 155 NNR Legal Description
4. Exhibit B, Sign Detail
5. 06.12.2025, 155 North Nova Road, Signage Special Exception
6. Draft Planning Board minutes (06.12.2025)

**RESOLUTION NO. 2025-123**

A RESOLUTION AUTHORIZING THE EXECUTION AND ISSUANCE OF A DEVELOPMENT ORDER FOR A SPECIAL EXCEPTION FOR A SIGN VARIANCE FOR PROPERTY LOCATED AT 155 NORTH NOVA ROAD, AND BEING SITUATED WITHIN THE B-1, PROFESSIONAL OFFICE/HOSPITAL ZONING DISTRICT, TO ALLOW THE RECONSTRUCTION OF A POLE SIGN DAMAGED BY HURRICANE MILTON BASED ON SITE SPECIFIC CONDITIONS; ESTABLISHING CONDITIONS AND EXPIRATION DATE OF APPROVAL; AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** Dr. John C. Long Jr. and Janet G. Long (the "Property Owners"/"Applicants"), have applied for the issuance of a Special Exception for a sign variance to reconstruct a pole sign that was damaged by Hurricane Milton on that real property located at 155 North Nova Road, Ormond Beach ("the Property"), and

**WHEREAS,** the property at 155 North Nova Road is zoned B-1, Professional Office/Hospital, and

**WHEREAS,** Section 3-47C.1.a.(3) of the City of Ormond Beach *Land Development Code* (*Land Development Code*) states that monument signs shall be the only type of site signage allowed within the B-1 zoning district. The application seeks to allow a pole sign based on site-specific conditions, and

**WHEREAS,** Section 3-49 of the *Land Development Code* allows sign variances for the use of a ground, pedestal, or pole sign in lieu of a required monument sign to be reviewed as a Special Exception based on certain criteria, and

**WHEREAS,** the applicant does not propose any new building square footage and the Special Exception request is solely for the site signage, and

**WHEREAS,** the said application is in compliance with the provisions of the *Land Development Code* and the general laws of Florida, and

**WHEREAS,** the Planning Board held a public hearing on June 12, 2025, regarding this matter as required by Chapter 1, Article II, Section 1-15(c), of the *Land Development Code* and provided a recommendation of approval for the application, and

**WHEREAS,** the Planning Board considered in their recommendations, the criteria of Section 3-49 of the Land Development Code, as follows:

**(1)** There are special and unique conditions related to the property or structures on site exist that limit the ability to identify business within the property and cause a need to modify the monument sign height regulations. Examples of special and unique conditions would include limited visibility and traffic safety; and

**(2)** The proposed signs would be conducive to promoting traffic safety by preventing visual distractions; and

**(3)** The special exception shall not amend the requirements of subsection 3-47D. of the Land Development Code (allowed square footage, height maximum of 20', or number of site signs); and

**(4)** Site signs otherwise not permitted within the sign article shall not be introduced through the special exception; and

**(5)** Impacts of the proposed sign on residential uses; and

**(6)** Proposed ground, pedestal, or pole sign shall provide architectural elements, such as wrap columns and no exposed metal poles. Sign renderings shall be included as part of the development order; and

**WHEREAS,** the City Commission has duly held a public hearing on the application and has considered the testimony and evidence presented, and

**WHEREAS,** the City Commission has considered the following:

**(1)** The report and recommendations of the Planning Board;

**(2)** The report and recommendations of the Site Plan Review Committee; and

**(3)** The comments of governmental agencies, utility corporations and individuals, as received, and

**WHEREAS,** based upon all of the foregoing and in consideration thereof, the City Commission finds that:

**(1)** The proposed development conforms to the standards and requirements of the *Land Development Code* and will not create undue crowding beyond the conditions normally permitted in the B-1 (Professional Office/Hospital) zoning district, or adversely affect the public health, safety, welfare or quality of life;

**(2)** The proposed development is consistent with the *Comprehensive Plan*;

**(3)** The proposed development will not adversely impact environmentally sensitive lands or natural resources, including but not limited to waterbodies, wetlands, xeric communities, wildlife habitats, endangered or threatened plants and animal species or species of special concern, wellfields, and individual wells;

**(4)** The proposed use will not substantially or permanently depreciate the value of surrounding property; create a nuisance; or deprive adjoining properties of adequate light and air; create excessive noise, odor, glare, or visual impacts on the neighborhood and adjoining properties;

**(5)** There are adequate public facilities to serve the development, including but not limited to, roads, sidewalks, bike paths, potable water, wastewater treatment, drainage, fire and police safety, parks and recreation facilities, schools, and playgrounds;

**(6)** Ingress and egress to the property and traffic patterns are designed to protect and promote motorized vehicle and pedestrian/bicycle safety and convenience, allow for desirable traffic flow and control, and provide adequate access in case of fire or catastrophe;

**(7)** The proposed development is functional in the use of space and aesthetically acceptable;

**(8)** The proposed development provides for the safety of occupants and visitors; and

**(9)** The proposed use of materials and architectural features will not adversely impact the neighborhood and aesthetics of the area;

now therefore,

**BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** The above recitals are true and correct and are incorporated herein by reference.

**SECTION TWO.** The Mayor and the City Manager are hereby authorized and directed to execute and issue a Development Order for a Special Exception to allow a sign variance to reconstruct a pole sign that was damaged by Hurricane Milton in accordance with the sign plan

exhibit and conditions described in the Special Exception Development Order, on that real property located at 155 North Nova Road ("the Property"), as described in the Special Exception Development Order, a copy of which is attached hereto and incorporated herein by reference.

**SECTION THREE.** This Resolution shall take effect immediately upon its adoption.

**APPROVED AND AUTHENTICATED this 22nd day of July, 2025**.

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

**BEFORE THE**
**CITY COMMISSION**
**OF THE**
**CITY OF ORMOND BEACH**

| | | |
|---|---|---|
| **IN RE:** | **Application of:** | Dr. John C. Long Jr. and Janet G. Long |
| | **Application No.** | PZ-2025-161 |
| | **Project Name:** | "Sign Variance, 155 North Nova Road" |
| | **Property Address:** | 155 North Nova Road |
| | **Parcel ID No.:** | 4241-01-01-0061 |

## SPECIAL EXCEPTION DEVELOPMENT ORDER

This matter having come on for public hearing before the City Commission of the City of Ormond Beach, Florida, on July 22, 2025, and the City Commission having considered those items as required by Section 1-18 of the *Land Development Code*, and having heard testimony and evidence from all affected persons, the City Commission hereby finds that:

**1.** The proposed development conforms to the standards and requirements of the *Land Development Code* and will not create undue crowding beyond the conditions normally permitted in the B-1, Professional Office/Hospital zoning district, or adversely affect the public health, safety, welfare or quality of life;

**2.** The proposed development is consistent with the *Comprehensive Plan*;

**3.** The proposed development will not adversely impact environmentally sensitive lands or natural resources, including but not limited to water bodies, wetlands, xeric communities, wildlife habitats, endangered or threatened plants, animal species or species of special concern, wellfields, and individual wells;

**4.** The proposed development will not substantially or permanently depreciate the value of surrounding property; create a nuisance; or deprive adjoining properties of adequate light and air; create excessive noise, odor, glare, or visual impacts on the neighborhood and adjoining properties;

**5.** There are adequate public facilities to serve the development, including but not limited to roads, sidewalks, bike paths, potable water, wastewater treatment, drainage, fire and police safety, parks and recreation facilities, schools, and playgrounds;

**6.** Ingress and egress to the property and traffic patterns are designed to protect and promote motorized vehicle and pedestrian/bicycle safety and convenience, allow for desirable traffic flow and control, and provide adequate access in case of fire or catastrophe;

**7.** The proposed development is functional in the use of space and aesthetically acceptable;

**8.** The proposed development provides for the safety of occupants and visitors; and

**9.** The proposed use of materials and architectural features will not adversely impact the neighborhood and aesthetics of the area.

**Thereupon and in consideration thereof, the City Commission hereby orders that:**

**A.** The application of the property owners, Dr. John C. Long Jr. and Janet G. Long, for a Development Order for a Special Exception for a sign variance to reconstruct a pole sign that was damaged by Hurricane Milton on that real property located at 155 North Nova Road, Ormond Beach, within the B-1, Professional Office/Hospital zoning district, said property being described and depicted on Exhibit "A" attached hereto and incorporated herein by reference, is hereby granted, subject to the following conditions:

**1.** All applicable provisions of the *Land Development Code* shall be complied with at all times, such provisions being incorporated herein by reference and hereby specifically made a part of this Special Exception Development Order;

**2.** A signage permit for the pole sign is required;

**3.** Full and complete compliance with the Applicant's Sign Plan attached as Exhibit "B";

**B.** No material change shall be made to the final sign plans attached as Exhibit "B" and incorporated herein by reference without further review by the Planning Board and approval by the City Commission in accordance with the procedures for the approval of this Special Exception Development Order.

**C.** All signage construction activity shall be performed in strict compliance with the terms and conditions of this Special Exception Development Order and of the *Land Development Code*.

**D.** If the final signage plan approval lapses under the provisions of Section 1-14(3)(c) of the *Land Development Code* before the signage permit can be established, a new application for a Special Exception Development Order must be submitted for consideration in accordance with the requirements of the *Land Development Code*.

**E.** In the event a Neighborhood Improvement Officer subsequently determines there to be any violation of this Special Exception Development Order, such Officer shall promptly present such determination to Special Magistrate for hearing.

**F.** If this Special Exception Development Order is abandoned for a period of six (6) months, a zoning approval for a new use, subject to Special Exception requirements, shall not be issued until the Site Plan Review Committee determines that all of the conditions of Chapter I, Article II, Section 1-14 of the *Land Development Code* have been met.

**G.** In the event a signage permit has not been issued within twenty-four (24) months, which date shall be July 22, 2027, then this Special Exception Development Order shall automatically become void and shall have no further legal effect per Chapter 1, Article II, Section 1-14(3), of the *Land Development Code*. If a signage permit is issued on or before July 22, 2027, the project shall be vested.

**H.** This Special Exception Development Order shall be recorded in the public records of Volusia County, Florida, at the expense of Dr. John C. Long Jr. and Janet G. Long, and shall be binding upon Dr. John C. Long Jr. and Janet G. Long, and their successors and assigns, and shall run with the real property described in Exhibit "A" attached hereto and incorporated herein by reference. (Parcel ID No.: 4241-01-01-0061)

*[Remainder of page intentionally left blank]*

**ORDERED** this 22nd day of July, 2025.

**CITY COMMISSION**
**CITY OF ORMOND BEACH,** a Florida municipal corporation

**By:** _____
**JASON LESLIE**
Mayor

(CITY SEAL)

**Attest:** _____
**JOYCE A. SHANAHAN**
City Manager

EXHIBIT A

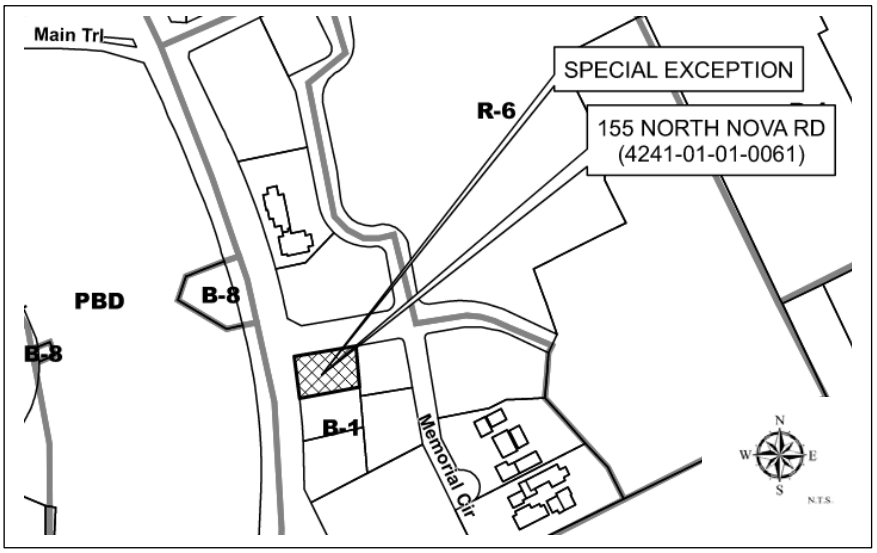
**LEGAL DESCRIPTION**
**From Warranty Deed, recorded January 8, 1999, Book 4387, Page 1248**

## 155 North Nova Road – Parcel ID: 4241-01-01-0061

IN GRANT LOT 12, HENRY YONGE GRANT AS RECORDED IN MAP BOOK 2, PAGE 118, PUBLIC RECORDS OF VOLUSIA COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: FROM A REFERENCE POINT, SAID POINT BEING THE NORTHWEST CORNER OF SAID HENRY YONGE GRANT, RUN NORTH 63°55'50" EAST, A DISTANCE OF 214.49 FEET TO A POINT IN A CURVE, SAID CURVE BEING THE EASTERLY RIGHT-OF-WAY OF STATE ROAD S-415 (NOVA ROAD), AS THE SAME IS NOW LAID OUT AND ESTABLISHED; THENCE SOUTHWESTERLY ALONG THE ARC OF AFORESAID CURVE, HAVING A RADIUS OF 1960.08 FEET AND A CENTRAL ANGLE OF 10°47'39.5", SAID CURVE HAVING A CHORD BEARING OF SOUTH 14°09'39.5" EAST AND A CHORD LENGTH OF 368.72 FEET, TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTHWESTERLY ALONG THE PROJECTED CURVE AFORESAID ON A CHORD BEARING OF SOUTH 7°18'07" EAST FOR A DISTANCE OF 100.00 FEET TO A POINT; THENCE NORTH 80°12'47" EAST FOR A DISTANCE OF 145.22 FEET TO A POINT; THENCE NORTH 4°34'34" WEST FOR A DISTANCE OF 100.41 FEET TO A POINT; THENCE SOUTH 80°12'47" WEST FOR A DISTANCE OF 150 FEET TO THE POINT OF BEGINNING.

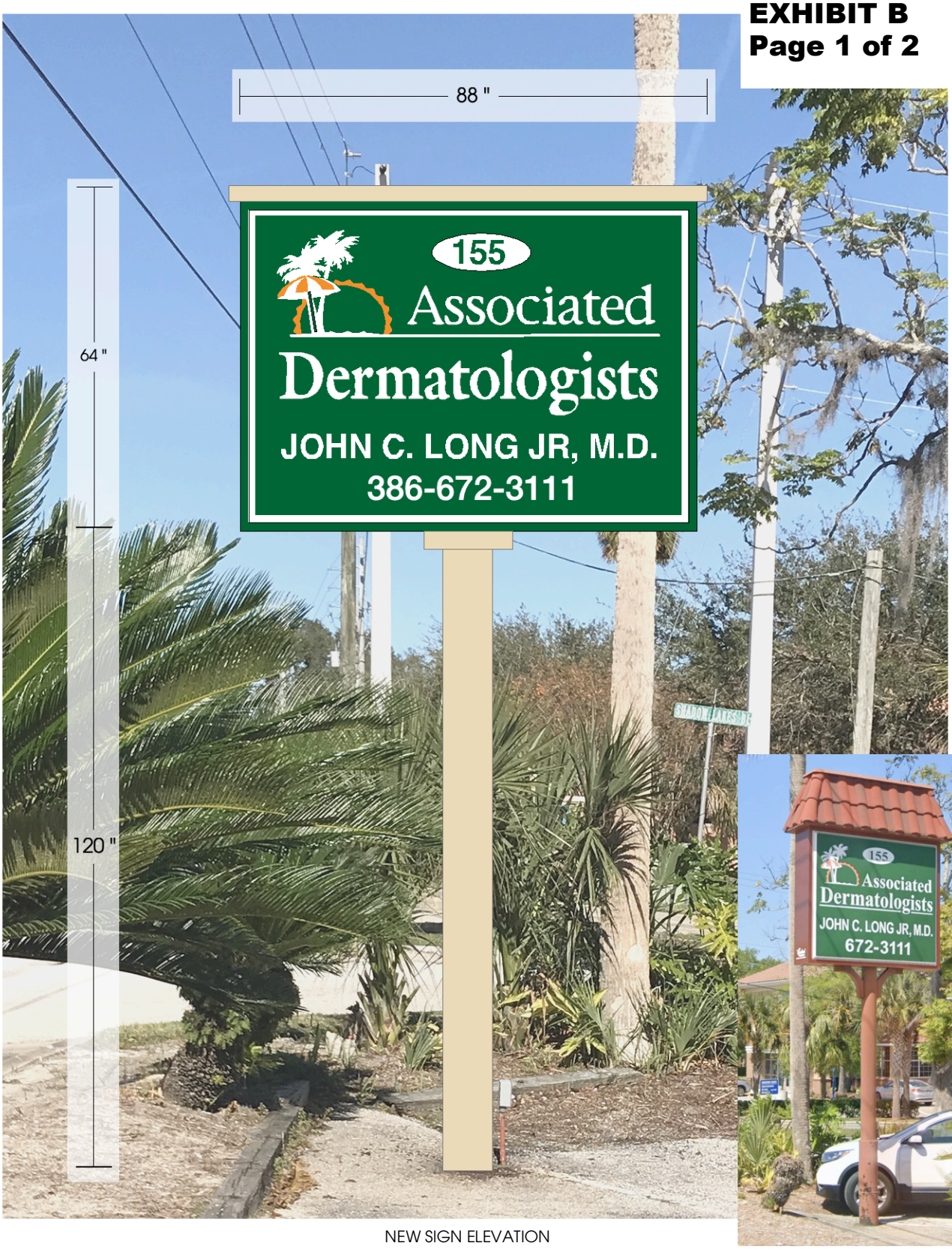
**LESS AND EXCEPT** the portion deeded to State of Florida Department of Transportation for Nova Road.

## Map of Area




| | |
|---|---|
| **PARCEL ID:** | 4241-01-01-0061 |
| **OWNER:** | DR. JOHN C. LONG JR. AND JANET G. LONG |
| **APPLICANT:** | COBB COLE, A FLORIDA PROFIT CORPORATION, WITH THE AUTHORIZATION OF THE PROPERTY OWNERS, DR. JOHN C. LONG JR. AND JANET G. LONG |
| **SPECIAL EXCEPTION ADDRESS:** | 155 NORTH NOVA ROAD |

**EXHIBIT B**
**Page 1 of 2**




NEW SIGN ELEVATION




FORMER SIGN

| Project Name - Contact | Project Description - Customer Approval _____ |
|---|---|
| ASSOCIATED DERMATOLOGISTS<br>155 N NOVA ROAD BEACH, FL | REPLACE FORMER PYLON SIGN DESTROTED BY HURRICANE.<br>NEW PYLON SIGN INSTALLED USING EXISTING STEEL BASE POLE AND CONCRETE BASE. |

TOWNSEND SIGNS
THE SIGN OF QUALITY

515 LPGA Blvd. Holly Hill, Florida 32117
386-255-1955
info@signsbytownsend.com
Florida State License ES12000177

**EXHIBIT B**
**Page 2 of 2**

FORMER EXISTING SIGN LOCATION
INSTALL NEW SIGN ON EXISTING STEEL
BASE POLE AND CONCRETE BASE
SIGN SETBACK 5'-6" FROM ROW




| Project Name - Contact | |
|---|---|
| ASSOCIATED DERMATOLOGISTS<br>155 N NOVA ROAD BEACH, FL | REPLACE FORMER PYLON SIGN DESTROTED BY HURRICANE.<br>NEW PYLON SIGN INSTALLED USING EXISTING STEEL BASE POLE AND CONCRETE BASE. |

TOWNSEND SIGNS
THE SIGN OF QUALITY
515 LPGA Blvd. Holly Hill, Florida 32117
386-255-1955
info@signsbytownsend.com
Florida State License ES12000177

# PLANNING BOARD STAFF REPORT

## Special Exception
## 155 North Nova Road
## Project Number: PZ 2025-161

| | |
|---|---|
| **PLANNING BOARD DATE:** | June 12, 2025 |
| **TENTATIVE CITY COMMISSION DATE:** | July 22, 2025 |
| **APPLICANT:** | Alanna Smith, Esquire, Cobb Cole, on behalf of the property owners, Dr. John C. Long Jr. and Janet G. Long |
| **LOCATION:** | 155 North Nova Road |
| **REQUEST:** | Allowance for the replacement of a pole sign destroyed by Hurricane Milton instead of a monument sign based on site-specific conditions |
| **SITE PLAN REVIEW COMMITTEE RECOMMENDATION:** | Approval |
| **STAFF CONTACT:** | Steven Spraker, AICP, Planning Director |
| **AERIAL OF PROJECT AREA:** |  |

**SECTION 1, INTRODUCTION:** This is an application submitted by Alanna Smith, Esquire, Cobb Cole, on behalf of the property owners, Dr. John C. Long Jr. and Janet G. Long, for a sign variance to allow for the replacement of a pole sign. The subject property is located at 155 North Nova Road and is zoned B-1, Professional Office/Hospital. Section 3-47(C)(1)(a)(3) of the Land Development Code states that monument signs shall be the only type of site signage allowed within the B-1 zoning district, and the application seeks to allow a pole sign based on site-specific conditions.

**SECTION 2, BACKGROUND:** The property at 155 North Nova was constructed in 1970 and is approximately 2,350 square feet of building area. The building is used as a medical office. The property has 100 feet of lot frontage along North Nova Road. There is a limited landscaping area between the front property line of North Nova Road and the parking lot signs. The property had a legal non-conforming pole sign near the intersection of North Nova Road and Shadow Lakes Boulevard, which Hurricane Milton destroyed. Below is a picture of the site before and after the hurricane.

**EXHIBIT 1: Street view images of 155 North Nova Road**

2021 Image




Source: Google Street View

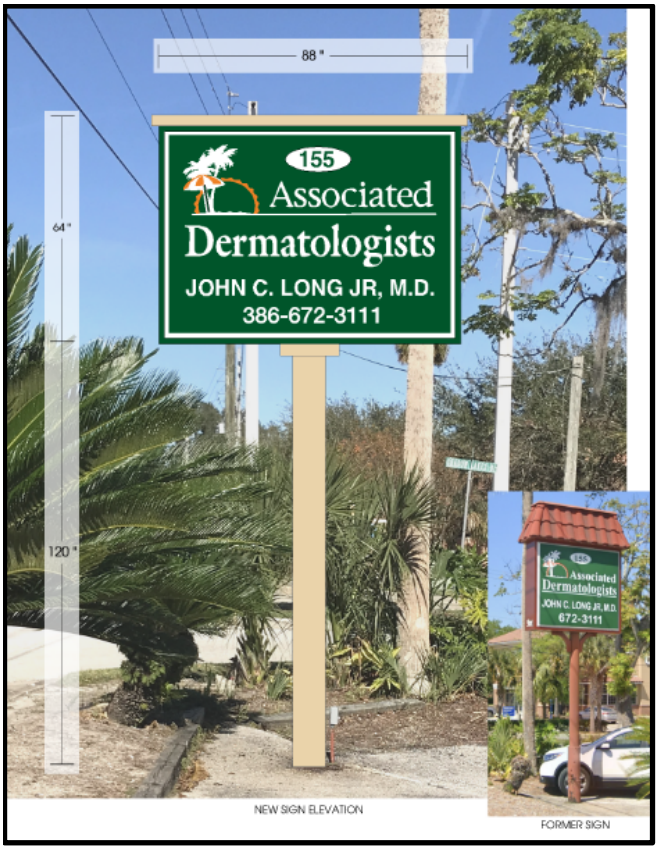
2025 Image



Source: Google Street View

**SECTION 3, ANALYSIS:** This application seeks to allow the replacement of a pole sign instead of a required monument sign at 155 North Nova Road.

**EXHIBIT 2:**
**Proposed Pole Sign**



The site is designated “Residential, Office, Retail” on the City's Future Land Use Map and is zoned B-1, Professional Office/Hospital. The following table shows the surrounding land uses and zoning:

**EXHIBIT 2: Adjacent Land Uses and Zoning**

| Direction | Uses | Land Use designation | Zoning designation |
|---|---|---|---|
| **North** | Bank | “Residential, Office, Retail” | B-1, Professional Office/Hospital |
| **South** | Office | “Residential, Office, Retail” | B-1, Professional Office/Hospital |
| **East** | Office | “Residential, Office, Retail” | B-1, Professional Office/Hospital |
| **West** | Commercial | “General Commercial” | PBD, Planned Business Development |

Section 3-47 of the Land Development Code contains the regulations for site signage. Section 3-47(C)(1)(a)(3) of the Land Development Code requires monument signs within the B-1, B-9 and B-10 zoning districts. Section 3-47(A) of the Land Development Code states alternative signage may be approved by the city commission through planned developments and special exceptions.

Section 3-49 of the Land Development Code allows sign variances and states: "Sign variances may be requested through the special exception process where an applicant desires the use of a ground, pedestal, or pole sign in lieu of a required monument sign. No other type of variance shall be permitted other than the height of the site signage. Applications shall be reviewed against the following criteria:" Below are the criteria in bold with the staff's response. Note that the applicant's responses are provided in ATTACHMENT 2.

a. **There are special and unique conditions related to the property or structures on site exist that limit the ability to identify business within the property and cause a need to modify the monument sign height regulations. Examples of special and unique conditions would include limited visibility and traffic safety.**

   The existing property has a limited landscaping buffer abutting the North Nova Road frontage and is located on a corner with Shadow Lakes Boulevard. The landscape area is insufficient to locate a monument sign, which typically would require a 5' setback and a 6' monument sign width. Installation of a monument sign with no setback would create a traffic obstruction at the intersection of North Nova Road and Shadow Lakes Boulevard. The applicant's analysis includes a review of the site limitations for monument signs, including a letter from a sign contractor.

**b. The proposed signs would be conducive to promoting traffic safety by preventing visual distractions.**

The former pole sign existed for several years without any traffic or safety issues. A pole sign in this location is appropriate based on the limited monument sign width and the roadway intersection.

**c. The special exception shall not amend the requirements of subsection 3-47D. of this Land Development Code (allowed square footage, height maximum of 20', or number of site signs).**

The Special Exception application seeks to replace what was existing and was damaged by a storm event. The requested signage does not seek any deviations from the allowed square footage or the number of signs.

**d. Site signs otherwise not permitted within the sign article shall not be introduced through the special exception.**

The Special Exception application does not seek to introduce signs that are not allowed under the Land Development Code's signage article.

**e. Impacts of the proposed sign on residential uses.**

There are no residential uses abutting the medical office, and no residential uses will be impacted.

**f. Proposed ground, pedestal, or pole sign shall provide architectural elements, such as wrap columns and no exposed metal poles. Sign renderings shall be included as part of the development order.**

The Special Exception application includes signage information and renderings.

## Section 2-56: Special Exception Criteria

Section 2-56 of the Land Development Code outlines the general criteria for all Special Exception approvals:

**A. *Off-street parking loading and service areas shall be provided and located such that there is no adverse impact on adjoining properties, beyond that generally experienced in the district*.**

The Special Exception is only for the allowance of a pole sign instead of a monument sign. No parking areas shall be modified, and no adverse impacts are anticipated as the sign existed for a number of years.

**B. *Required yards, screening or buffering, and landscaping shall be consistent with the district in general, the specific needs of the abutting land uses, Chapter 3, Article 1, and other applicable provisions of this Code.***

The Special Exception is only for the allowance of a pole sign instead of a monument sign and would not impact any landscaping or buffers on the property.

**C.** ***Size, location, or number of conditional or Special Exceptions in an area shall be limited so as to maintain the overall character of the district in which said conditional or Special Exceptions are located.***

There have been no other recent applications within the Nova Road area for a pole sign instead of a monument sign. The Land Development Code requires monument signage for the office-based zoning districts (B-1, B-9, and B-10). The Land Development Code also understands that there are existing sites with unique site conditions that may warrant the installation of a pole sign.

**D.** ***Hours of operation may be limited and the City may require additional information on structural design and site arrangement, to assure the compatibility of the development with existing and proposed uses in the surrounding area.***

The Special Exception is for the allowance of a pole sign in lieu of a monument sign, and no hours of operation restrictions are needed.

**E.** ***The Special Exception shall not generate hazardous waste or require use of hazardous materials in its operation without use of City-approved mitigative techniques.***

This Special Exception request will not generate hazardous waste.

**F.** ***All development proposed as a Special Exception within or adjacent to a historic district shall be reviewed based on applicable criteria stated herein for residential, commercial or mixed-use development and shall also comply with appearance and design guidelines for historic structures.***

The project is not located within or adjacent to a historic district, and these criteria do not apply to the signage application.

**G.** ***Outdoor lighting shall have no spillover onto adjacent property or rights-of-way beyond the building site property line, and the lumens shall not exceed two (2) foot-candles at the property line.***

The Special Exception is for the allowance of a pole sign in lieu of a monument sign, and no changes to site lighting are proposed.

**Section 1-15.E: Planning Board Criteria and Section 1-18.E: City Commission Criteria**

Sections 1-15.E. and 1-18.E of the Land Development Code establish the Planning Board and City Commission Development Order criteria. The Land Development Code states that the following criteria shall be considered:

1. **The proposed development conforms to the standards and requirements of this Code and will not create undue crowding beyond the conditions normally permitted in the zoning district, or adversely affect the public health, safety, welfare or quality of life.**

The Special Exception is for the allowance of a pole sign instead of a monument sign damaged by a storm event. No other construction activity is proposed. The property had a pole sign that functioned well for several years but was destroyed by a storm. The request will not adversely affect public health, safety, welfare or quality of life.

2. **The proposed development is consistent with the Comprehensive Plan.**

   The site's Future Land Use designation is "Residential, Office, Retail," which is consistent with its existing use. The Comprehensive Plan does not address site signage.

3. **The proposed development will not adversely impact environmentally sensitive lands or natural resources, including but not limited to waterbodies, wetlands, xeric communities, wildlife habitats, endangered or threatened plants and animal species or species of special concern, wellfields, and individual wells.**

   The Special Exception is for the allowance of a pole sign instead of a monument sign damaged by a storm event. The proposed application is an existing developed site and will not adversely impact environmentally sensitive lands or natural resources.

4. **The proposed use will not substantially or permanently depreciate the value of surrounding property, create a nuisance, deprive adjoining properties of adequate light and air, or create excessive noise, odor, glare, or visual impacts on the neighborhood and adjoining properties.**

   The proposed application for a pole sign will not depreciate the value of the surrounding property, create a nuisance, or have other visual impacts. It is important to note that the pole sign existed for many years with no negative impact. Regulations requiring monument signage in certain areas are important. The Land Development Code creates a mechanism for a sign variance through a public hearing process.

5. **There are adequate public facilities to serve the development, including but not limited to roads, sidewalks, bike paths, potable water, wastewater treatment, drainage, fire and police safety, parks and recreation facilities, schools, and playgrounds.**

   Public facilities currently serve the site and there would be no impact on the existing infrastructure as a result of this Special Exception application.

6. **Ingress and egress to the property and traffic patterns are designed to protect and promote motorized vehicle and pedestrian/bicycle safety and convenience, allow for desirable traffic flow and control, and provide adequate access in case of fire or catastrophe. This finding shall be based on a traffic report where available, prepared by a qualified traffic consultant, engineer or planner which details the anticipated or projected effect of the project on adjacent roads and the impact on public safety.**

   The Special Exception is for the allowance of a pole sign instead of a monument sign damaged by a storm event. The subject property is located at the intersection of North Nova Road and Shadow Lakes Boulevard. Staff concur with the applicant's analysis

that a monument sign on the subject property would obstruct the site as vehicles seek to access North Nova Road from Shadow Lakes Boulevard.

7. **The proposed development is functional in the use of space and aesthetically acceptable.**

   The Special Exception request seeks a pole sign based on the limited monument sign placement area and the intersecting roadways of North Nova Road and Shadow Lakes Boulevard. The proposed pole sign is functional in the use of space and aesthetically acceptable.

8. **The proposed development provides for the safety of occupants and visitors.**

   The Special Exception does not impact movement on the site for occupants and visitors.

9. **The proposed use of materials and architectural features will not adversely impact the neighborhood and aesthetics of the area.**

   There is no new building development, and the application is solely for a pole sign. Therefore, this criterion is not applicable.

10. **The testimony provided at public hearings.**

    This application has not been reviewed in a public forum, and no testimony has been provided.

## SECTION 4, RECOMMENDATION:

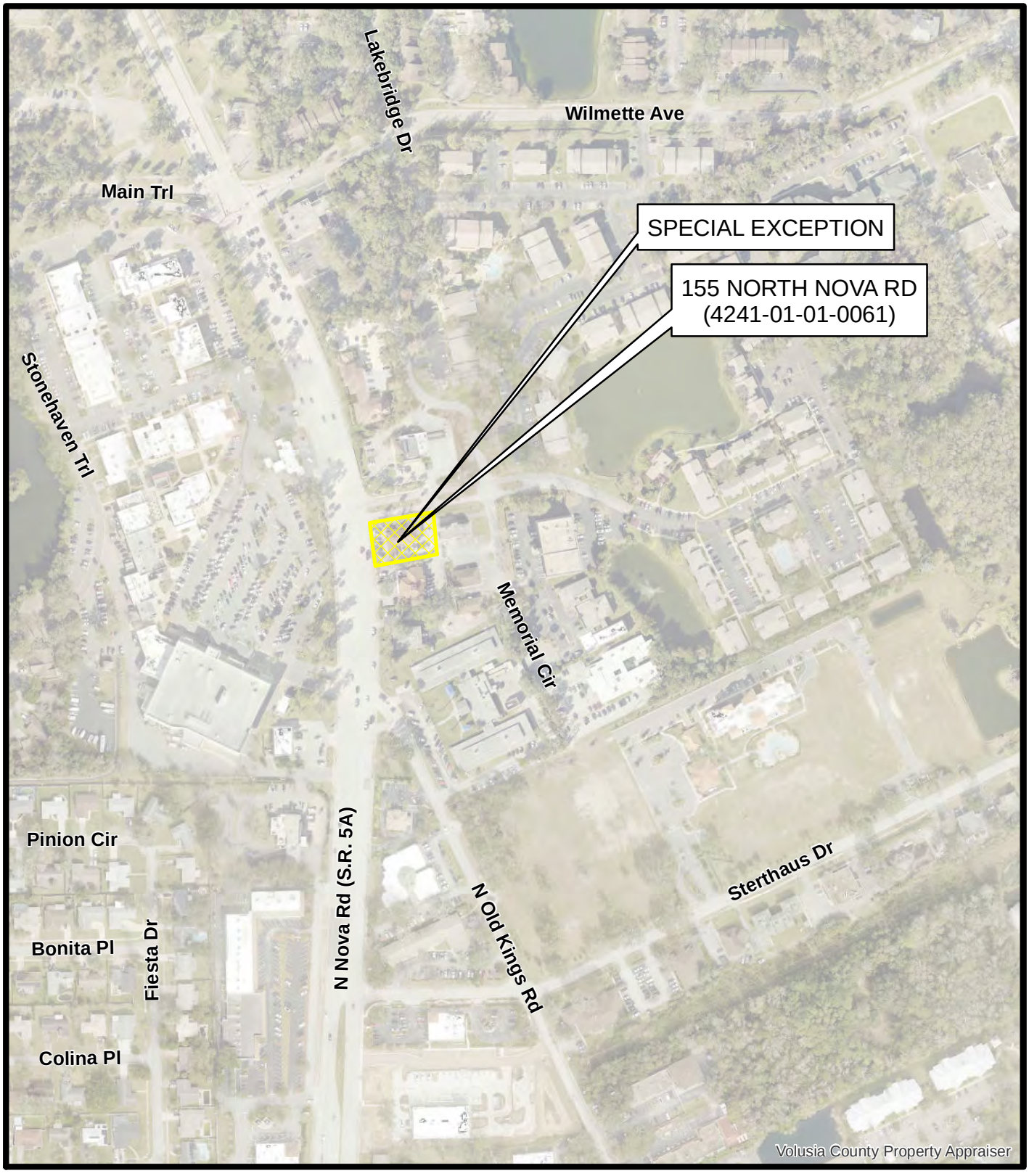
It is recommended that the Planning Board **APPROVE** a Special Exception to replace the former pole sign at 155 North Nova Road, granting a sign variance from the required monument sign as shown in ATTACHMENT 2.

Attachments:

Attachment 1: Project maps
Attachment 2: Applicant submittal

# ATTACHMENT 1

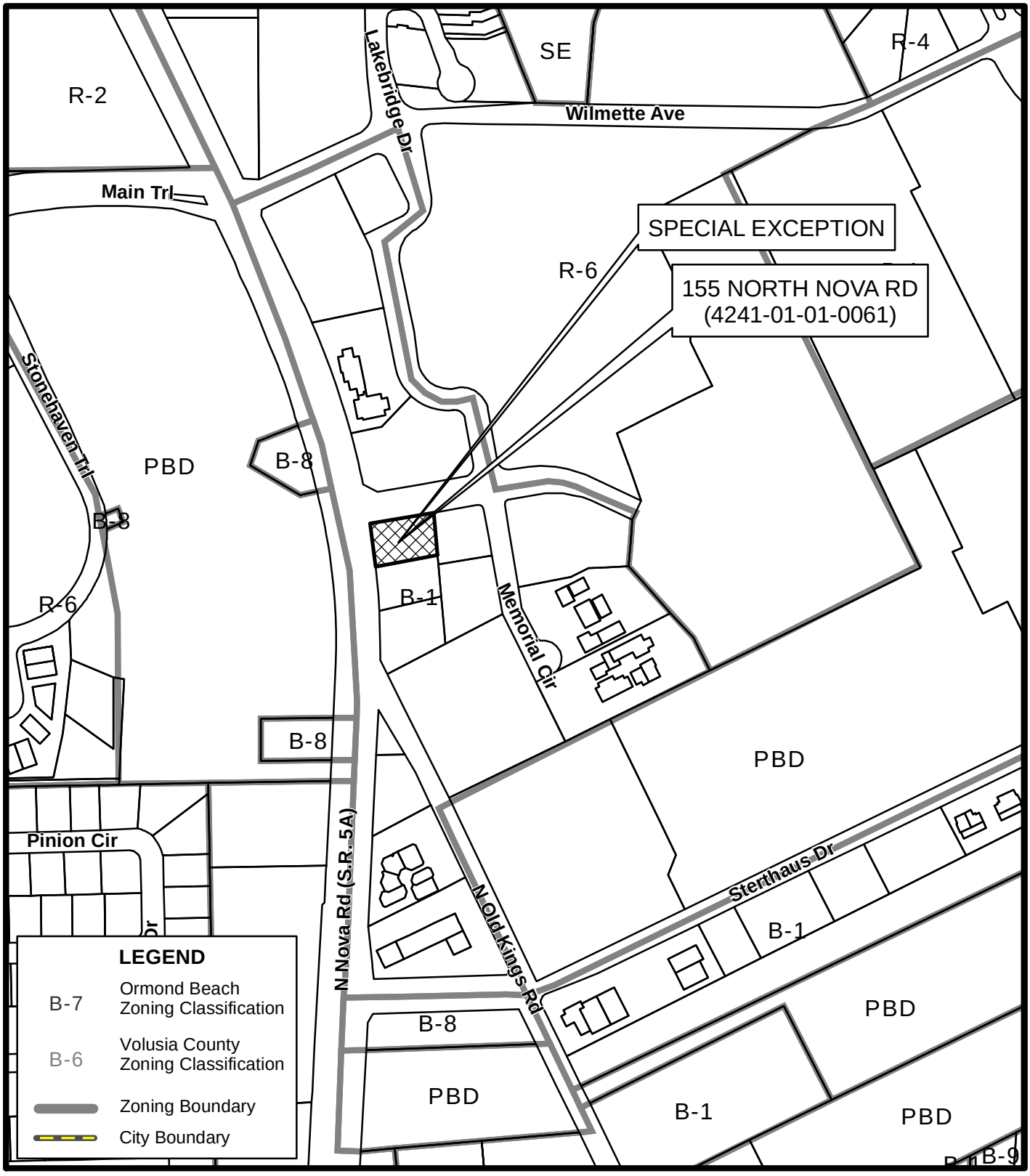
Project Maps




**AERIAL MAP**
**155 NORTH NOVA ROAD**
**(SPECIAL EXCEPTION)**

Prepared By: The City of Ormond Beach
G.I.S. Department - April 17, 2025

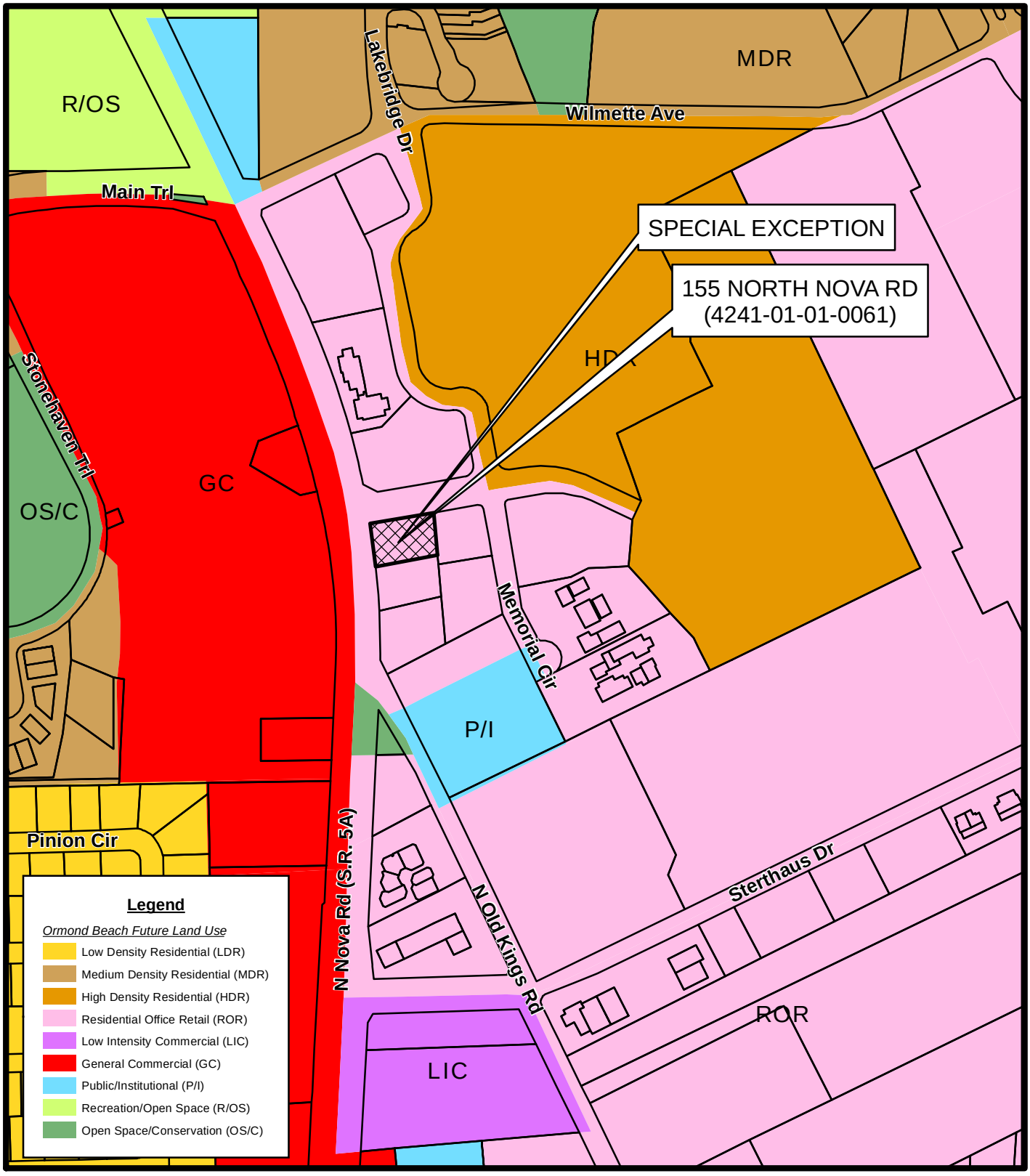
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**ZONING MAP**
**155 NORTH NOVA ROAD**
**(SPECIAL EXCEPTION)**

Prepared By: The City of Ormond Beach
G.I.S. Department - April 17, 2025

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**FUTURE LAND USE MAP**
**155 NORTH NOVA ROAD**
**(SPECIAL EXCEPTION)**

Prepared By: The City of Ormond Beach
G.I.S. Department - April 17, 2025

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W E
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N.T.S.


View Looking from Shadow lakes Boulevard and North Nova Road
SPEED LIMIT 25

Former sign location



# ATTACHMENT 2

Applicant Submittal

Scott W. Cichon
Robert A. Merrell III
John P. Ferguson
Mark A. Watts
Heather Bond Vargas
Michael J. Woods
Raymond L. Schumann
Kathleen L. Crotty
Michael O. Sznapstajler
Andrew C. Grant
Matthew S. Welch
Edward H. Thompson
Robert E. Doan
William A. Rice
Douglas J. Collins
Sara E. Glover
Holly W. Zitzka
Jessica L. Gow

COBB COLE
Attorneys at Law
Since 1925

Daytona Beach • DeLand
One Daytona Boulevard, Suite 600
Daytona Beach, Florida 32114
(386) 255-8171 | CobbCole.Com

Sydney V. Cichon
Anthony E. Aguanno
Baylee D. Bunyard
Anne M. Kehrli
Alanna V. Smith

OF COUNSEL
Larry D. Marsh
Ira Halfond

William M. Cobb (1881-1939)
Thomas T. Cobb (1916-2004)
W. Warren Cole, Jr. (1926-2008)

April 16, 2025

**VIA ELECTRONIC DELIVERY**
City of Ormond Beach
Steven Spraker
Planning Director
22 S. Beach Street
Ormond Beach, FL 32174

Re: 155 N Nova Road (Parcel Identification No. 424101010061)
Special Exception - Sign Variance Application

Dear Steve:

It is this Firm's pleasure to represent Dr. John Long and Mrs. Janet Long as the owners of the above-referenced property (the "Property") in connection with their request for a Sign Variance to replace the former nylon sign on the Property, which was destroyed during the recent hurricane.

In connection with this request, please find enclosed the following:

1. Public Hearing Application;

2. Application fee in the amount of $850.00;

3. Sign Variance Narrative (included in this letter as well);

4. Property Appraiser Information Cards; and

5. A copy of the signage renderings for the proposed sign.

Pursuant to Section 3-49 of the Land Development Code, sign variances may be requested through the special exception process where an applicant desires the use of a ground, pedestal, or pole sign in lieu of a required monument sign. Our variance request satisfies all of the specific conditions of Section 3-49 necessary to grant the requested variance as follows:

a. **There are special and unique conditions related to the property or structures on site exist that limit the ability to identify business within the property and cause a need**

**to modify the monument sign height regulations. Examples of special and unique conditions would include limited visibility and traffic safety.**

*The subject property (the "Property") is in the B-1 Professional Office/Hospital zoning district. The Land Development Code's business premises sign regulations permit only monument signs in the B-1 district, no closer than five (5') feet from the property line as measured from the leading edge of the sign. The Property has 100 feet of linear frontage along North Nova Road. The exterior landscaping along the site's frontage is bordered by timbers that demarcate the landscaping from the parking lot. This configuration provides only a few feet of space between the landscaping timbers and the Property's front lot line, effectively precluding the installation of a monument sign that meets the required five-foot setback. Even without this setback requirement, the limited space between the landscaping timbers and the front lot line is insufficient to accommodate an effective monument sign. The Property also lacks adequate space on either side to accommodate a monument sign. The north yard, which faces Shadow Lakes Boulevard, and the south yard, which abuts an office use, are both limited by existing landscaping that leaves inadequate room to accommodate a monument sign. These limitations are particularly significant given that North Nova Road serves as the primary roadway for the Property, and a monument sign in an alternative location would not provide sufficient visibility for passing traffic.*

*The Owner operates their business from the Property, relying on signage to identify the business to passing traffic. Requiring a monument sign on the Property would severely limit visibility, hindering passing drivers from identifying the business from a safe distance. The Property previously featured a legally existing pylon sign, which was destroyed during a recent hurricane.* ***Accordingly, the Owner seeks a special exception to install a replacement sign using the existing steel pole and concrete base from the prior sign.***

**b. The proposed signs would be conducive to promoting traffic safety by preventing visual distractions.**

*The former sign was effective in providing clear identification of the Owner's business without causing visual clutter or confusion for drivers. The proposed pylon sign will be in the same location as the former sign and will closely match its design. Accordingly, the proposed sign will not introduce any new distractions or hazards.*

**c. The special exception shall not amend the requirements of subsection 3-47D. of this Land Development Code (allowed square footage, height maximum of 20', or number of site signs).**

*The proposed sign is a singular pole sign. It is approximately 15' tall with a square footage of approximately 39', in accordance with subsection 3-47D.*

**d. Site signs otherwise not permitted within the sign article shall not be introduced through the special exception.**

*The special exception requests a pole sign, which is permitted under the sign article of the Land Development Code.*

**e. Impacts of the proposed sign on residential uses.**

*The proposed sign is not projected to have an impact on residential uses as the Property is surrounded by office/professional uses. Moreover, the proposed sign maintains the same placement and design consistency as the former sign, which did not cause any impacts on residential uses.*

**f. Proposed ground, pedestal, or pole sign shall provide architectural elements, such as wrap columns and no exposed metal poles. Sign renderings shall be included as part of the development order.**

*The proposed sign shall comply with these criteria.*

If you have any questions regarding this request, please don't hesitate to contact me. Thank you for your attention to this matter.

Sincerely,

**Alanna V. Smith for**
**Robert A. Merrell III**
Direct Dial (386) 323-9263
Email Rob.Merrell@CobbCole.com

## Sign Variance Narrative

**Sec. 3-49. - Sign variances.**

Sign variances to the requirements of this article shall be reviewed as a special exception or as part of a planned business development as follows:

(1) Special exception. Sign variances may be requested through the special exception process where an applicant desires the use of a ground, pedestal, or pole sign in lieu of a required monument sign. No other type of variance shall be permitted other than the height of the site signage. Applications shall be reviewed against the following criteria:

a. There are special and unique conditions related to the property or structures on site exist that limit the ability to identify business within the property and cause a need to modify the monument sign height regulations. Examples of special and unique conditions would include limited visibility and traffic safety.

*The subject property (the "Property") is in the B-1 Professional Office/Hospital zoning district. The Land Development Code's business premises sign regulations permit only monument signs in the B-1 district, no closer than five (5') feet from the property line as measured from the leading edge of the sign. The Property has 100 feet of linear frontage along North Nova Road. The exterior landscaping along the site's frontage is bordered by timbers that demarcate the landscaping from the parking lot. This configuration provides only a few feet of space between the landscaping timbers and the Property's front lot line, effectively precluding the installation of a monument sign that meets the required five-foot setback. Even without this setback requirement, the limited space between the landscaping timbers and the front lot line is insufficient to accommodate an effective monument sign. The Property also lacks adequate space on either side to accommodate a monument sign. The north yard, which faces Shadow Lakes Boulevard, and the south yard, which abuts an office use, are both limited by existing landscaping that leaves inadequate room to accommodate a monument sign. These limitations are particularly significant given that North Nova Road serves as the primary roadway for the Property, and a monument sign in an alternative location would not provide sufficient visibility for passing traffic.*

*The Owner operates their business from the Property, relying on signage to identify the business to passing traffic. Requiring a monument sign on the Property would severely limit visibility, hindering passing drivers from identifying the business from a safe distance. The Property previously featured a legally existing pylon sign, which was destroyed during a recent hurricane.* ***Accordingly, the Owner seeks a special exception to install a replacement sign using the existing steel pole and concrete base from the prior sign****.*

b. The proposed signs would be conducive to promoting traffic safety by preventing visual distractions.

*The former sign was effective in providing clear identification of the Owner's business without causing visual clutter or confusion for drivers. The proposed pylon sign will be in the same*

*location as the former sign and will closely match its design. Accordingly, the proposed sign will not introduce any new distractions or hazards.*

c. The special exception shall not amend the requirements of subsection 3-47D. of this Land Development Code (allowed square footage, height maximum of 20', or number of site signs).

*The proposed sign is a singular pole sign. It is approximately 15' tall with a square footage of approximately 39', in accordance with subsection 3-47D.*

d. Site signs otherwise not permitted within the sign article shall not be introduced through the special exception.

*The special exception requests a pole sign, which is permitted under the sign article of the Land Development Code.*

e. Impacts of the proposed sign on residential uses.

*The proposed sign is not projected to have an impact on residential uses as the Property is surrounded by office/professional uses. Moreover, the proposed sign maintains the same placement and design consistency as the former sign, which did not cause any impacts on residential uses.*

f. Proposed ground, pedestal, or pole sign shall provide architectural elements, such as wrap columns and no exposed metal poles. Sign renderings shall be included as part of the development order.

*The proposed sign shall comply with these criteria.*

TOWNSEND SIGNS
THE SIGN OF QUALITY

FLORIDA STATE CERTIFIED LICENSE ES12000177

April 15, 2025

Cobb & Cole
One Daytona Boulevard, Suite 600
Daytona Beach, FL 32114
Attn: Jessica Gow

RE: Associated Dermatologists
155 N Nova Road
Ormond Beach, FL 32174

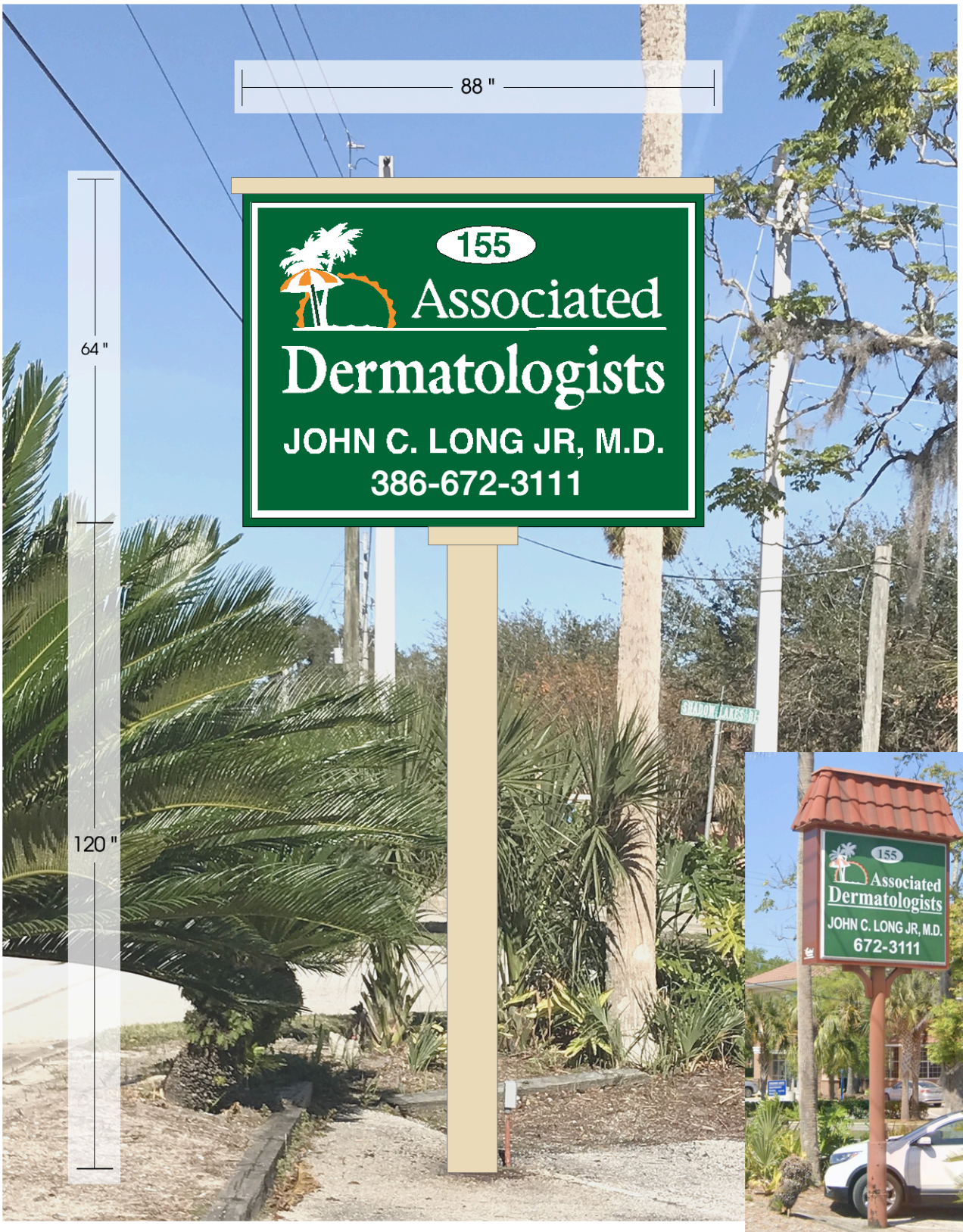
Replace original pylon sign destroyed by hurricane with new sign per approved design and specifications. Use remaining existing steel mounting pole, concrete base and electrical circuit from original sign.

I have surveyed the property to determine any options for the sign location. Due to the property layout with the parking lot situated abutting the Nova Road frontage there is no other suitable location or sign type available for this property.

The original / proposed sign location is set at the front between two parking places so lanscaping around the sign base is not possible.

Let me know if you have any questions.
Sincerely, Al Townsend

515 LPGA BLVD. HOLLY HILL, FL 32117 PHONE 386 255 1955 FAX 386 255-7010




NEW SIGN ELEVATION

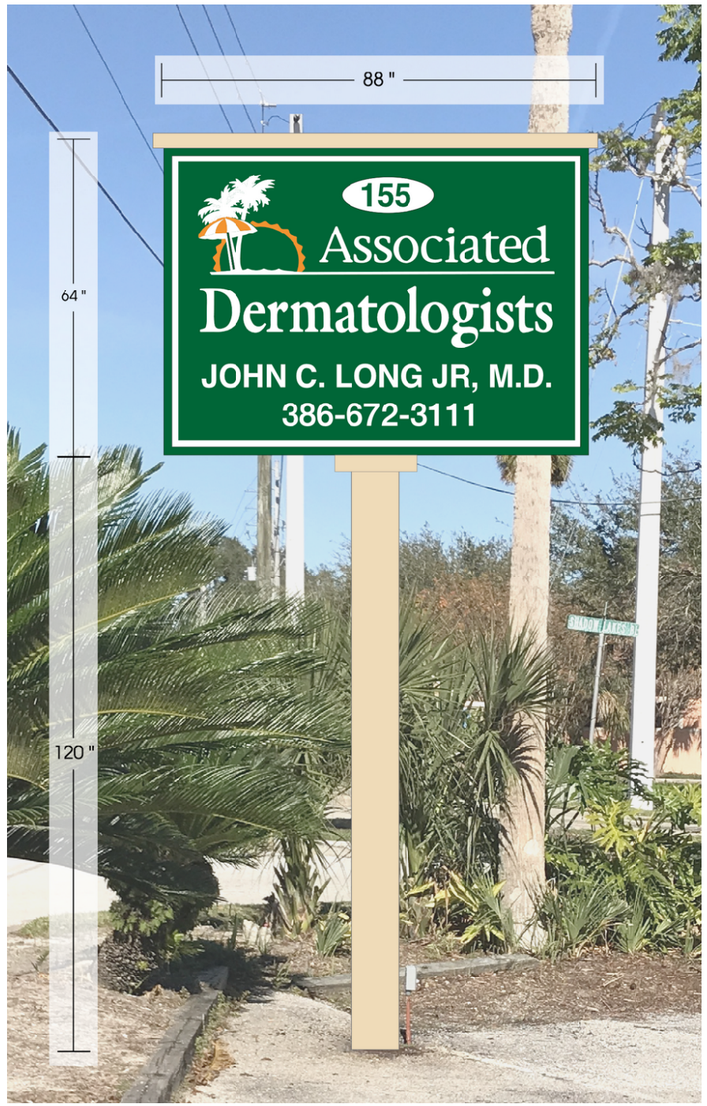


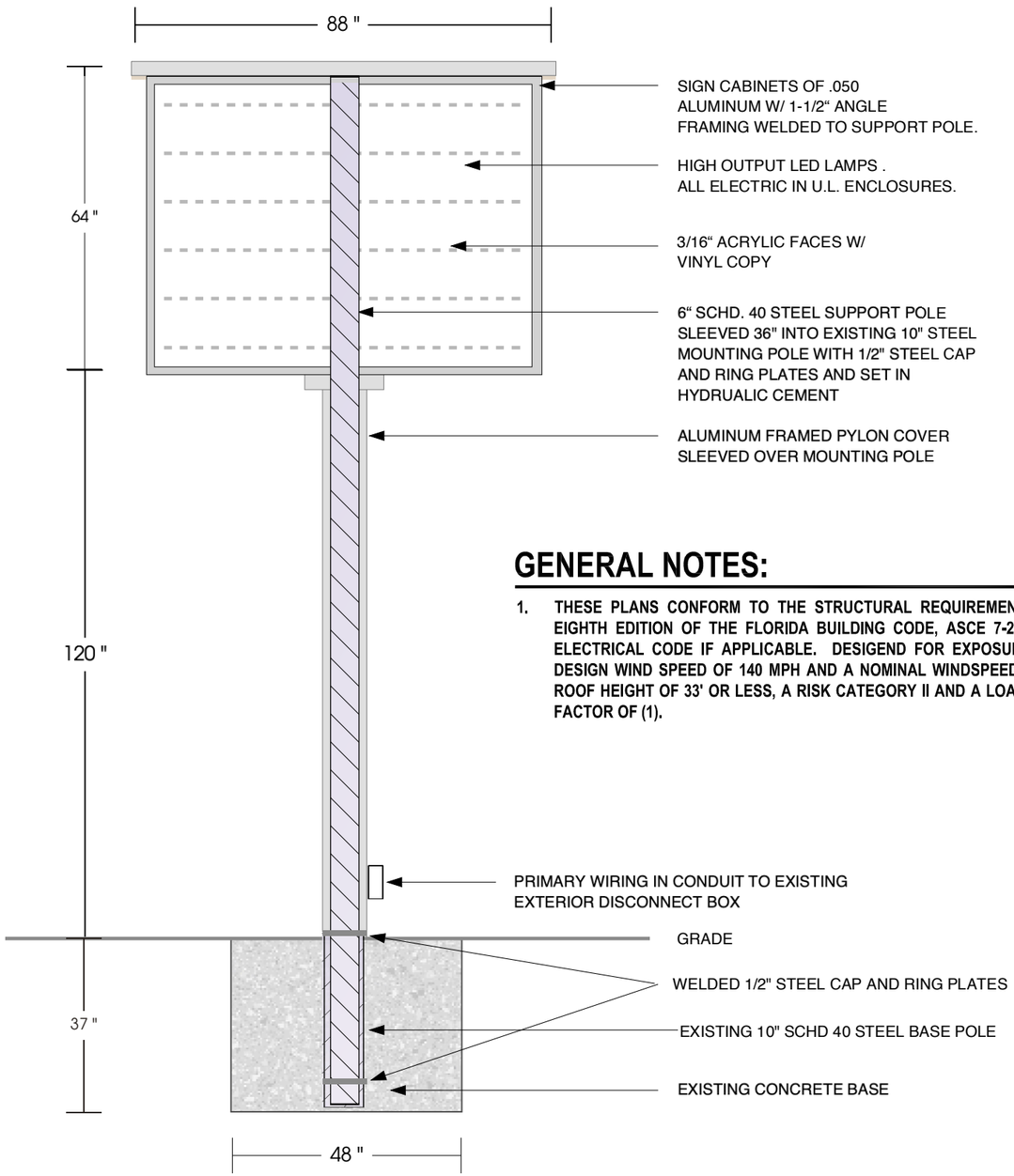

FORMER SIGN

| Project Name - Contact | Project Description - Customer Approval _____ |
|---|---|
| ASSOCIATED DERMATOLOGISTS<br>155 N NOVA ROAD BEACH, FL | REPLACE FORMER PYLON SIGN DESTROTED BY HURRICANE.<br>NEW PYLON SIGN INSTALLED USING EXISTING STEEL BASE POLE AND CONCRETE BASE. |

TOWNSEND SIGNS
THE SIGN OF QUALITY

515 LPGA Blvd. Holly Hill, Florida 32117
386-255-1955
info@signsbytownsend.com
Florida State License ES12000177




## GENERAL NOTES:

1. THESE PLANS CONFORM TO THE STRUCTURAL REQUIREMENTS OF THE CURRENT 2023 EIGHTH EDITION OF THE FLORIDA BUILDING CODE, ASCE 7-22 AND THE 2020 NATIONAL ELECTRICAL CODE IF APPLICABLE. DESIGEND FOR EXPOSURE B AND C, AN ULTIMATE DESIGN WIND SPEED OF 140 MPH AND A NOMINAL WINDSPEED OF 108 MPH WITH A MEAN ROOF HEIGHT OF 33' OR LESS, A RISK CATEGORY II AND A LOAD AND RESISTANCE DESIGN FACTOR OF (1).

HARRY NEWKIRK LICENSE NO. 62971 STATE OF FLORIDA PROFESSIONAL ENGINEER

Harry Newkirk

Digitally signed by Harry Newkirk
DN: C=Harry Newkirk, oid.0.9.2342.19200300.100.1.1=A01410C000001942E9918F001DA791, cn=HARRY NEWKIRK ENGINEER
Date: 2025.01.28 08:44:30 -05'00'

HARRY H. NEWKIRK,
P.E. FL. REG. NO. 62971


NEI NEWKIRK ENGINEERING INC.
1230 North US1, Suite 3
Ormond Beach, Florida 32174
Phone (386) 872-7794
www.Newkirk-Engineering.com
C.A. # 30209
L.C. # 26000584

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Civil Engineering, Transportation, CEI & Landscape Architecture



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ASSOCIATED DERMATOLOGISTS
155 N NOVA ROAD BEACH, FL
REPLACE FORMER PYLON SIGN DESTROTED BY HURRICANE.
NEW PYLON SIGN INSTALLED USING EXISTING STEEL BASE POLE AND CONCRETE BASE.

| DATE REVISION DATE | | |
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SITE PLAN - INSTALL SIGN IN EXISTING FORMER SIGN LOCATION




FORMER EXISTING SIGN LOCATION
INSTALL NEW SIGN ON EXISTING STEEL BASE POLE AND CONCRETE BASE
SIGN SETBACK 5'-6" FROM ROW

| Project Name - Contact | |
|---|---|
| ASSOCIATED DERMATOLOGISTS<br>155 N NOVA ROAD BEACH, FL | REPLACE FORMER PYLON SIGN DESTROTED BY HURRICANE.<br>NEW PYLON SIGN INSTALLED USING EXISTING STEEL BASE POLE AND CONCRETE BASE. |

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| Project Name - Contact | | |
|---|---|---|
| ASSOCIATED DERMATOLOGISTS<br>155 N NOVA ROAD BEACH, FL | REPLACE FORMER PYLON SIGN DESTROTED BY HURRICANE.<br>NEW PYLON SIGN INSTALLED USING EXISTING STEEL BASE POLE AND CONCRETE BASE. | TOWNSEND SIGNS<br>THE SIGN OF QUALITY<br>515 LPGA Blvd. Holly Hill, Florida 32117<br>386-255-1955<br>info@signsbytownsend.com<br>Florida State License ES12000177 |

# Planning Board minutes from June 12, 2025

ITEM:

PZ-2025-161

155 North Nova Road
Signage Special Exception

**Recommended for Approval: 7-0**

**D. PZ-2025-161, Special Exception, 155 North Nova Road**

Mr. Steven Spraker, Planning Director, explained the application submitted for a sign variance to allow for the replacement of a pole sign. He stated the subject property is located at the corner of Shadow Lakes Boulevard and 155 North Nova Road and is zoned B-1, Professional Office/Hospital. Mr. Spraker stated Section 3-47 (C)(1)(a)(3) of the LDC states that monument signs shall be the only type of site signage allowed within the B-1 zoning district, and the application seeks to allow a pole sign based on site-specific conditions. Mr. Spraker added that there is a provision in the code to get a sign variance, and not through the Board of Adjustments and Appeals, but through a Special Exception to allow a pole sign where otherwise a monument sign was required, showing a special circumstance going through the public hearing process.

Mr. Spraker displayed a photograph of the property and the proposed location of the proposed signage. The existing pole sign was damaged from Hurricane Milton and they are seeking to restore the former pole sign. Concerns expressed are distance from Nova Road and the short landscaped area which would not fit a monument sign, and the intersection where it can block view of vehicles on Nova Road. He displayed the proposed pole sign of 20' in height and the location on-site. Mr. Spraker discussed the existing site challenges of locating a monument sign on the property. He stated that Planning staff is recommending approval of the Special Exception based on the existing site conditions of the property.

**Applicant's Presentation**

Ms. Jessica Gow, Esquire, Cobb Cole, One Daytona Boulevard, Daytona Beach, stated that the subject property is a dermatology office where Dr. Long is the primary doctor there and reiterated that the previous pole sign was damaged during the hurricane. She added that the proposed sign is detailed in the board packet and is the same size and will be in the same location, with electric hookup is already in place for the new sign. Ms. Gow continued that the decoration at the top of the former sign is off, more simplified.

Ms. Gow explained that the landscaping strip is less than 5' in some areas, with no room for a monument sign to sit properly without being in the sight distance triangle for traffic concerns. She stated that they have a letter from a sign consultant that further explains where a sign can be located. Their thoughts expressed are that the size matches the overall character. Ms. Gow compared it to older pylon signs, like Mr. Wich's down the road, and how they are requesting to replace it at the size and location that it was currently located and at.

**Board Questions**

Mr. Gentry asked if Mr. Spraker is comfortable with the buffer exception and that it will not block the visual with the turn. Mr. Spraker answered yes.

Chairman Thomas brought it back up to the Board for questions and entertained a motion.

Ms. Shull expressed her concern with it when everything along the street is a monument sign. She added that it is not fair that they can put a tall sign back up. She believes that it should go to the new code. Ms. Gow explained that the property boundary goes in a little past the

DRAFT

sidewalk where the narrow strip is and in order to get a monument sign in there, it would be 1'-wide, extremely tall and illegible and would be more distracting to drivers.

Mr. Galloway stated that he has owned his building on Shadow Memorial Circle and Shadow Lakes for almost 25 years and explained that he is at that intersection up to 15 – 20 times per day, where there has always been a pole sign there. The sign was destroyed by a hurricane at a family business, at one of the most dangerous intersections. Mr. Galloway added that if a monument sign goes in that there will be accidents. He agrees that monument signs would be recommended for any businesses behind the location, but not at the subject property.

Mr. Jorczak concurred and stated that the State is supposed to reconstruct the area and is surprised by the timeline of the survey and any action on it. He concluded that anything that obstructs vision is not something he wants to entertain and is for replacing the particular location with a pole sign.

Mr. Scudiero concurred and commented that he is for uniformity but not at this location.

Mr. Railsback concurred.

Ms. Shull concurred and emphasized that her point prior was that the pole sign needs to go in but pointed out in other locations on corners, where monument signs are allowed, that they block traffic-view.

Board discussion ensued on the topic.

**Mr. Jorczak motioned to approve PZ-2025-161, Special Exception, 155 North Nova Road. Mr. Galloway seconded it. Vote was called, and the motion was approved (7-0).**

DRAFT

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 9.A. |
| **Section** | FIRST READING OF ORDINANCES | **Category** | First Reading of Ordinances |
| **Subject** | Amendment to Code of Ordinances, Chapter 15, Parks and Recreation | | |
| **Recommended Action** | Approval of the attached ordinance is recommended. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | City Attorney<br>Ann-Margret Emery, Deputy City Attorney | | |


Summary

This is a proposed amendment to the Code of Ordinances, Chapter 15, Parks and Recreation. The amendment adds regulations for vaping. City ordinances currently prohibit smoking in all city parks, sports centers and city facilities. This ordinance amendment adds vaping to the prohibition. This amendment adds the definition of vaping in Section 15-3 and adds vaping as a prohibited nuisance in Section 15-8.


Financial Impact

None

Citizen Impact

Prohibiting vaping in city parks and facilities will enhance the environment for all citizens and visitors.

Attachments

1. 25-22 Vaping in Parks (P25-0070G)
2. Ordinance Business Impact Estimate

**ORDINANCE NO. 2025-22**

AN ORDINANCE AMENDING SECTIONS 15-3 AND 15-8 OF CHAPTER 15, PARKS AND RECREATION, OF THE CITY OF ORMOND BEACH *CODE OF ORDINANCES*, TO PROVIDE FOR THE REGULATION OF VAPING IN PARKS AND AT OTHER MUNICIPAL FACILITIES; PROVIDING FOR THE REPEAL OF ALL ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR SEVERABILITY, AND SETTING FORTH AN EFFECTIVE DATE.

**WHEREAS,** Section 386.209 of the Florida Statutes (2022) expressly authorizes municipalities to adopt and enforce restrictions as to smoking within the boundaries of any public parks that the municipality owns, and to further restrict smoking within the boundaries of public parks that are within the municipality's jurisdiction but are owned by the county, unless such restriction conflicts with a county ordinance, and

**WHEREAS**, Section 386.209 of the Florida Statutes (2022) preempts municipalities from further restricting unfiltered cigars beyond those restrictions established by State Law, and

**WHEREAS**, while smoking in city parks and facilities is currently prohibited by the *Code of Ordinances*, the City Commission desires to add regulations for vaping, and

**WHEREAS**, the City Commission of the City of Ormond Beach finds that the provisions of this Ordinance are in the best interests of the citizens of and visitors to the City of Ormond Beach, and that such restrictions are necessary for the health, safety and welfare of the citizens and visitors to the City of Ormond Beach, now therefore

**BE IT ENACTED BY THE PEOPLE OF THE CITY OF ORMOND BEACH, FLORIDA, THAT:**

**SECTION ONE.** Section 15-3, Definitions, of Article I, Operation of City Parks and Recreation and Cultural Areas and Facilities, of Chapter 15, Parks and Recreation, of the City of Ormond Beach *Code of Ordinances* is hereby amended to read as follows:

**Sec. 15-3. Definitions.**

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*Alcoholic beverage* means distilled spirits and all beverages containing one-half of one percent or more alcohol by volume.

*Animal* means any cat, dog, horse, fowl and living creature.

*Applicant* means any person seeking a permit to use or conduct an activity in a park, cultural or recreation area or facility.

*Beer* means any brewed beverage containing malt.

*Careless* means to operate a vehicle in disregard of the safety of the operator or others.

*Director* means the director of parks and recreation or the director of cultural affairs or their respective designees.

*Municipal property* means all land, bleachers, seating, recreational facilities and structures, parking lots, and buildings owned by the city.

*Organized sports* means the playing of games or practice by any athletic team.

*Park* means a park, reservation, playground, recreational facility or any other public property area in the city, owned or used by the city and devoted to active or passive recreation.

*Permit* means any written license issued by or under the authority of a director, the city manager or the city commission permitting a use, event or activity in a park, cultural or recreation area or facility.

*Smoking* means inhaling, exhaling, burning, or carrying any lighted cigar, cigarette, pipe, weed, plant, or other combustible substance in any manner or in any form.

*Vaping* means to inhale or exhale vapor produced by a vapor-generating electronic device or to possess a vapor-generating electronic device while that device is actively employing an

electronic, a chemical, or a mechanical means designed to produce vapor or aerosol from a nicotine product or any other substance.

*Vehicle* means any wheeled conveyance (except a baby carriage or invalid wheelchair) for the transportation of persons or material whether:

(1) Powered or drawn by motor as an automobile, truck, bus, motorcycle, scooter, minibike or trail bike;
(2) Animal-drawn as a carriage, wagon or cart;
(3) Any rider-propelled bicycle or tricycle;
(4) Any trailer in tow of any size, kind or description;
(5) Any watercraft as defined herein.

Excluded from restrictions as a general class of vehicles are those conveyances established within parks by the city.

*Youth athletic activity* means any event, game, or other activity with participants who are less than 17 years of age, with the duration of such activities or events to include a period of time 15 minutes before and after such activity.

**SECTION TWO.** Section 15-8, Nuisances, of Article I, Operation of City Parks and Recreation and Cultural Areas and Facilities, of Chapter 15, Parks and Recreation, of the City of Ormond Beach *Code of Ordinances* is hereby amended to read as follows:

**Sec. 15-8. Nuisances.**

(a) *Alcoholic beverages.* Possession and consumption of alcoholic beverages within any park are prohibited unless specifically permitted pursuant to section 4-3.

(b) *Fireworks and explosives.*

(1) Possessing, exploding, discharging or burning within any park area or on roadways adjacent thereto of any fire crackers, rockets or other fireworks and explosives, or any other substance which in combination with any other substance becomes an explosive, are prohibited. In an emergency the discharge of distress signals and flares is permitted.

(2) Parents or guardians are responsible for violations by minors of subsection (b)(1) of this section.

(c) *Fortunetelling.* The foretelling of futures or fortunes for money by any method within any park or on any roadway adjacent thereto is prohibited.

(d) *Domestic animals.*

(1) No domestic animals shall be allowed in parks at any time except as provided herein.

(2) Dogs and other fur-bearing pets, except service animals as defined in F.S. § 413.08, shall be excluded from the following places in a park: all camping areas, all bathing and swimming areas, including both land and water portions, park buildings and other designated areas. Pets are permitted in nonrestricted areas if adequately restrained. Dogs must be kept at all times on leashes no longer than eight feet. All animal excrement must be properly cleaned up and properly disposed of by the owner or keeper of the animal.

(e) *Smoking or vaping*.

(1) Except as otherwise provided in this subsection, smoking or vaping is prohibited on any portion of the following municipal properties: Central Park, Fortunato Park, Nova Community Park, Ormond Beach Middle School Park, Osceola School Park, Riviera Park, Sanchez Park, South Ormond Neighborhood Park, Andy Romano Beachfront Park, ~~and~~ Birthplace of Speed Park, or within the boundaries of any other city park. The leisure services director ~~shall~~ may designate one or more areas within these properties as smoking areas, provided that such smoking area(s) shall not be designated in any common area that is expected to be used by the public.

(2) Except as otherwise provided in this subsection, smoking or vaping is prohibited on any portion of the following municipal properties when a youth athletic activity occurs: Ormond Beach Sports Complex, Ormond Beach Tennis Center, Nova Community and Gymnastics Center, ~~and~~ South Ormond Neighborhood Center, or within the boundaries of any other city sports center. The leisure services director ~~shall~~ may designate one or more areas within these properties as smoking areas, provided that such smoking area(s) shall not be designated in any common area that is expected to be used by the public.

(3) Smoking or vaping is prohibited within 25 feet of any entrance to an occupied municipal building or structure.

(4) Private property owners are encouraged to prohibit smoking or vaping within 25 feet of any entrance that affords public access.

**SECTION THREE.** All Ordinances or parts of Ordinances in conflict herewith are hereby repealed to the extent of such conflict.

**SECTION FOUR.** If any section, paragraph, sentence, clause and phrase of this Ordinance is severable, and if any phrase, clause, sentence, paragraph or section of this Ordinance shall be declared unconstitutional, invalid or unenforceable by the valid judgment or

decree of any court of competent jurisdiction, such unconstitutionality, invalidity or unenforceability shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Ordinance.

**SECTION FIVE.** This Ordinance shall become effective immediately upon adoption.

**PASSED UPON** at the first reading of the City Commission, this 22nd day of July, 2025.

**PASSED UPON** at the second and final reading of the City Commission, this 5th day of August, 2025.

_____
**JASON LESLIE**
Mayor

**ATTEST:**

_____
**SUSAN CARROLL DAUDERIS**
City Clerk

# Ordinance Adoption
# Business Impact Estimate

Proposed ordinance's number and legal title: 2025-22

AN ORDINANCE AMENDING SECTIONS 15-3 AND 15-8 OF CHAPTER 15, PARKS AND RECREATION, OF THE CITY OF ORMOND BEACH *CODE OF ORDINANCES*, TO PROVIDE FOR THE REGULATION OF VAPING IN PARKS AND AT OTHER MUNICIPAL FACILITIES; PROVIDING FOR THE REPEAL OF ALL ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR SEVERABILITY, AND SETTING FORTH AN EFFECTIVE DATE.

This Business Impact Estimate is provided in accordance with section 166.041(4), Florida Statutes. If one or more boxes are checked below, this means the City is of the view that a business impact estimate is not required by state law for the proposed ordinance, but the City is, nevertheless, providing this Business Impact Estimate as a courtesy and to avoid any procedural issues that could impact the enactment of the proposed ordinance. This Business Impact Estimate may be revised following its initial posting.

- ☐ The proposed ordinance is required for compliance with Federal or State law or regulation;
- ☐ The proposed ordinance relates to the issuance or refinancing of debt;
- ☐ The proposed ordinance relates to the adoption of budgets or budget amendments, including revenue sources necessary to fund the budget;
- ☐ The proposed ordinance is required to implement a contract or an agreement, including, but not limited to, any Federal, State, local, or private grant or other financial assistance accepted by the municipal government;
- ☐ The proposed ordinance is an emergency ordinance;
- ☐ The ordinance relates to procurement; or
- ☐ The proposed ordinance is enacted to implement the following:
  a. Part II of Chapter 163, Florida Statutes, relating to growth policy, county and municipal planning, and land development regulation, including zoning, development orders, development agreements and development permits;
  b. Sections 190.005 and 190.046, Florida Statutes, regarding community development districts;
  c. Section 553.73, Florida Statutes, relating to the Florida Building Code; or
  d. Section 633.202, Florida Statutes, relating to the Florida Fire Prevention Code.

**In accordance with the provisions of controlling law, even notwithstanding the fact that an exemption noted above may apply, the City hereby publishes the following information:**

1. A summary of the proposed ordinance, including a statement of the public purpose to be served by the proposed ordinance, such as serving the public health, safety, morals, and welfare of the City.

The purpose of this ordinance is to add regulations for vaping in city parks and other municipal facilities.

2. An estimate of the direct economic impact of the proposed ordinance on private, for-profit businesses in the City, including the following, if any:

    a. An estimate of direct compliance costs that businesses may reasonably incur if the ordinance is enacted;

    N/A

    b. Identification of any new charge or fee on businesses subject to the proposed ordinance, or for which businesses will be financially responsible; and

    N/A

    c. An estimate of the City's regulatory costs, including an estimate of revenues from any new charges or fees that will be imposed on businesses to cover such costs.

    N/A

3. A good faith estimate of the number of businesses likely to be impacted by the ordinance.
    N/A

4. Any additional information the City determines may be useful.

    *(This section may include: methodology or data used to prepare the Business Impact Estimate, e.g., City staff solicited comments from businesses as to the potential impact of the proposed ordinance by contacting the chamber of commerce, social media posting, direct mail/email, posting on the City's website, public workshop, etc.; efforts made to reduce the potential fiscal impact on businesses; and state the proposed ordinance is a generally applicable ordinance that applies to all persons similarly situated (individuals or businesses) and, therefore, the proposed ordinance does not affect only businesses.)*

**City of Ormond Beach**

**City Commission Agenda**

**Staff Report**

| | | | |
|---|---|---|---|
| **Agenda Date** | July 22, 2025 | **Item No** | 10.A. |
| **Section** | STAFF ACTION ITEMS | **Category** | Staff Action |
| **Subject** | Florida League of Cities Voting Delegate | | |
| **Recommended Action** | It is recommended the City Commission designate a voting delegate for the FLC Annual Conference, Annual Business Session. | | |
| **Strategic Goal** | Governance - Other | | |
| **Department Staff Contact** | Support Services<br>Susan Dauderis, City Clerk | | |


Summary

The Florida League of Cities (FLC) requests each municipality designate one official to be the voting delegate for the Annual Business Session to be held on Saturday, August 16, 2025. This designation is to be made and delegate forms returned by July 31, 2025. The business session will be held during the FLC Annual Conference scheduled for August 14-16, 2025, in Orlando, FL.


Financial Impact

None

Citizen Impact

The FLC represents the interests of municipal governments across the state. It is in the citizens' best interest to have a representative City vote at this business meeting.

Attachments

1. 2025 Voting Delegate Memo

FLC
FLORIDA LEAGUE OF CITIES

To: Key Official

From: Eryn Russell, Florida League of Cities

Date: June 17, 2025

Subject: 2025 Annual Conference Voting Delegate Information

The Florida League of Cities Annual Conference will be held at the Signia by Hilton Orlando Bonnet Creek in Orlando, Florida, from August 14-16, 2025. This conference will provide valuable educational opportunities to help Florida's municipal officials serve their citizenry more effectively.

We ask that each member municipality sending delegates to the Annual Conference **designate one elected official to serve as its Voting Delegate** and cast the municipality's votes at the Annual Business Meeting which will be held on **Saturday, August 16, 2025**. The Voting Delegate designated by each municipality will vote on all official business matters brought before the League membership and requiring a vote during the Business Meeting. Matters such as the election of League leadership, adoption of resolutions and any other official business matters affecting the League may be voted on during the Business Meeting.

In accordance with the League's by-laws, the number of votes allocated to each municipality is determined based upon population. The League will use the latest Florida Estimates of Population as published by the University of Florida, Bureau of Economic and Business Research.

Annual Conference registration materials were sent to each municipality via the League's e-newsletter and are available online at *flcities.com*.

If you have any questions about voting delegates, please email *erussell@flcities.com*. **Voting delegate forms must be received by the League no later than July 31, 2025.**

Attachments: Form Designating Voting Delegate


301 S. Bronough Street, Suite 300
Tallahassee, Florida 32301

P.O. Box 1757
Tallahassee, Florida 32302-1757

Phone: 850.222.9684
Fax: 850.222.3806

flcities.com

**2025 Annual Conference**
**Florida League of Cities, Inc.**
**August 14-16, 2025**
**Orlando, Florida**

It is important that each member municipality sending delegates to the Annual Conference of the Florida League of Cities designate one of its elected officials to cast the municipality's votes at the Annual Business Meeting. League By-Laws require each municipality to select one person to serve as the municipality's Voting Delegate.

*Municipalities do not need to adopt a resolution to designate a voting delegate.* Instead, please fill out this form and return it to the League office so that your voting delegate may be properly identified. **Voting delegate forms must be received by the League no later than July 31, 2025.**

Designation of Voting Delegate

Name of Voting Delegate: _____

Title: _____

Delegate Email: _____

Municipality of: _____

AUTHORIZED BY:

_____
Name

_____
Title

*Return this form to:*
Eryn Russell
Florida League of Cities, Inc.
Post Office Box 1757
Tallahassee, FL 32302-1757
Email: *erussell@flcities.com*