intertek psi

STATEMENT OF QUALIFICATIONS

Water Quality Monitoring Program

City of Key West, Florida | RFP # 25-004

Professional Service Industries, Inc.
7950 NW 64th Street, Miami, FL 33166
305-471-7725 | intertek.com/psi

Professional Service Industries, Inc.
an Intertek Company (Intertek-PSI)
7950 NW 64th Street
Miami, FL 33166

Tel 305-471-7725
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intertek.com/building
www.psiusa.com

April 17, 2025

Lucas Torres-Bull, Procurement Manager
City of Key West
1300 White Street
Key West, FL 33040

RE: RFP # 25-004 | Water Quality Monitoring Program

Dear Mr. Torres-Bull and Selection Committee:

Professional Service Industries, Inc. (PSI), *an Intertek Company*, is pleased to respond to the City of Key West's Request for Proposal for their Water Quality Monitoring Program. Incorporated in Delaware, PSI is one of the largest consulting engineering and independent testing firms in the United States with a service history dating back to 1881. Locally, PSI's roots have provided these services within South Florida dating back to the 1920's.

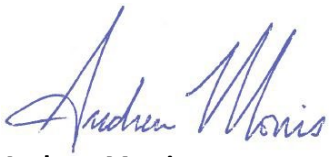
The PSI Team brings extensive experience in providing environmental consultation services, which is one of our core service lines. In addition to these services, our team also boasts unparalleled capabilities for soils, foundations, geotechnical and materials testing services, special inspections, and threshold inspections.

The PSI Team is composed of individuals who have spent most of their careers providing environmental consulting in South Florida and the Florida Keys. PSI and our proposed team members have a thorough knowledge of federal, state, and local water quality regulations, development of Quality Assurance Project Plans (QAPPs) for regulatory compliance, and public health implications and beach closure criteria. We have assembled our team based on demonstrated project experience and technical subject matter expertise.

Services will be performed by our Miami office located at 7950 NW 64th Street, Miami, FL 33166. Thanks to a diverse pool of clientele and stability of staff, our Miami office has been one of PSI's leading operations for decades. By combining the talents of our local office with our ability to call upon 1,900 professionals from over 75 offices nationwide, 10 of which are in Florida, we can assure you that our team has the resources to successfully complete any level of workload this project will command.

The PSI Team is fully committed to the vision and objectives of the City at our highest level, and in doing so will ensure that no stone is left unturned to achieve your objectives. We appreciate the opportunity to submit our qualifications and eagerly await a positive response to our submission. If there is any additional information you may require, please do not hesitate to contact us directly.

Sincerely,
Professional Service Industries, Inc.



Andrew Morris
Principal Consultant
USA EAST & CARIBBEAN

Tab 2. Qualifications and Relevant Experience

Professional Service Industries, Inc. (PSI), an Intertek Company, is a nationally recognized consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical and environmental engineering, construction services, materials engineering & testing, roof & pavement consulting, asbestos management, and facilities consulting and engineering. We are a leader among the nation's independent testing organizations and rank among the country's largest consulting engineering firms. PSI was incorporated in Delaware, June 26, 1972. However, the name was not used in the marketplace until the 1980's. The Company was founded as A&H Materials Testing in 1961 in Champaign-Urbana, Illinois.

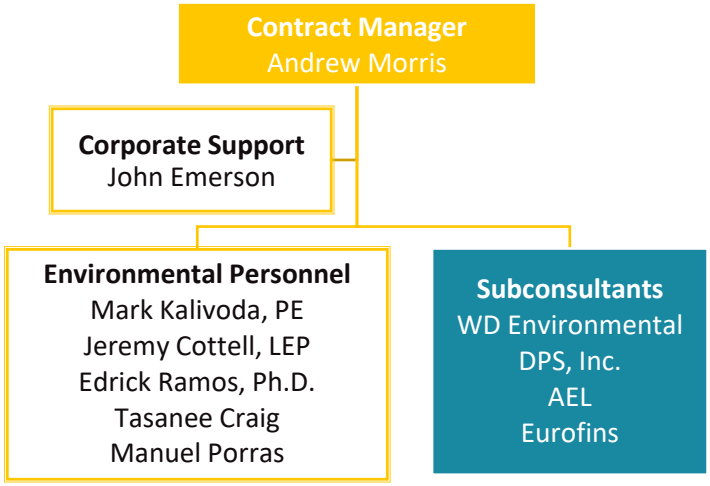
OFFICERS, OWNERS AND/OR PARTNERS, OR MANAGERS OF THE FIRM

Name	Address	Email	Phone #
Pablo Alvarez President, B&C	3730 Dacoma Street Houston, TX 77092	pablo.a.alvarez@intertek.com	(713) 224-2047
Ajay Agarwal Chief Financial Officer	545 E. Algonquin Road Arlington Heights, IL 60005	ajay.agarwal@intertek.com	(847) 439-5667
Todd Andrews Secretary	545 E. Algonquin Road Arlington Heights, IL 60005	todd.andrews@intertek.com	(847) 687-8245
Amanda Bellgardt VP Human Resources	4700 Broadmoor SE Kentwood, MI 49512	amanda.bellgardt@intertek.com	(616) 581-1904
Julian Burge Treasurer	200 Westlake Park Blvd., Ste 400 Houston, TX 77079	julian.burge@intertek.com	(713) 863-6649
Juan Villegas, PE Regional VP	7950 NW 64 Street Miami, FL 33166	juan.villegas@intertek.com	(305) 471-7725

Experience and Qualifications of Key Staff

We have assembled a team that is available to work with the County immediately on all requested projects our services are required. Each member of the team possesses the requisite technical skills along with excellent interpersonal skills and a complete understanding of the total process. These assets are all essential to attaining the high quality and performance goals of the City. Once established, this team remains intact for the entire project and is maintained for the life of the contract. Any changes made to our proposed staff will be replaced with individual(s) of substantially equal ability and qualifications.

For this contract, PSI proposes to use WD Environmental and DPS, Inc. to provide environmental construction contractor services. Laboratory services will be provided by AEL and Eurofins. An organizational chart for our proposed team can be found below, with resumes to follow.



ANDREW MORRIS

PROJECT SCIENTIST

MIAMI, FL

STARTED WITH INTERTEK-PSI: 2020
YEARS' EXPERIENCE WITH OTHER FIRMS: 7

EDUCATION

- B.A, Environmental Science, University of Florida, 2002
- M.S., Marine Affairs & Policy, University of Miami, 2005

CERTIFICATIONS/REGISTRATIONS/TECHNICAL TRAINING

- OSHA 40-Hour HAZWOPER & 8-Hour Refresher
- FDEP Sample Collection & Analysis of Surface Water, Groundwater, Drinking Water & Wastewater
- SCUBA Open Water I
- State of Florida Boating Safety
- CPR/First Aid

PROFESSIONAL EXPERIENCE SUMMARY

Mr. Morris has 12 years of experience in the environmental industry. His areas of expertise lie in conducting field operations and management of Phase I Environmental Site Assessments (ESAs), Phase II ESAs, soil vapor investigations, site remediation projects, and underground storage tank (UST) closures in the State of Florida and throughout the Southeastern United States. Mr. Morris also has experience in Natural Resource Management and Marine Resource/Coastal Zone Management.

REPRESENTATIVE PHASE I/II ENVIRONMENTAL SITE ASSESSMENT PROJECT EXPERIENCE

Connolly Development Co./The Kroger Co., Mixed Use Development, Marietta, GA – Performed Phase I ESA, Phase II ESA soil and groundwater sampling, and installation/sampling of soil gas implants. Oversaw additional Brownfield sampling of soil, soil gas, and groundwater. Authored technical reports associated with each site investigation. **Dates**: 6/2017-2/2020

Johnson Development, Extra Space Storage Facilities, Orlando/Naples/Tampa, FL – Performed Phase I ESAs in accordance with ASTM E1527-13 standards on various undeveloped and developed properties. Drafted and finalized a detailed report documenting the assessment activities and provided recommendations based on the assessment results. **Dates:** 6/2016-6/2018

Proposed Marriott Hotel, Naples, FL – Performed analytical sample collection at an undeveloped property to investigate possible impacts from historical usage. Drafted and finalized a detailed report documenting the assessment activities, laboratory analytical results and provided recommendations based on the laboratory analytical results. **Date:** 2/2019

Paul Milsap Enterprises, Core 4 Gym/Former Standard Label Co., Chamblee, GA – Performed the installation and sampling of sub-slab vapor implants along with near slab soil vapor implants. Performed soil assessment on impacted soils with the collection and analysis of over 100 soil samples. Oversaw the excavation of perc impacted soils above commercial risk reduction standards. **Date:** 4/2015

SFWMD, River of Grass/U.S. Sugar Corporation, South Bay, FL – Performed Phase II ESA activities on approximately 185,000-acres of agriculturally developed land owned by U.S. Sugar Corporation as part of the South Florida Water Management District Everglades Restoration Program. **Dates:** 7/2008-9/2008

SFWMD, Canal Improvement Project, South Bay, FL – Performed surface water, soil, and sediment sample collection on canals and submerged lands in support of the effort to mitigate flooding. **Date:** 3/2007-3/2009

REPRESENTATIVE NON-PETROLEUM PROJECT EXPERIENCE

FDOT, District 4 & District 6 24-Hour Environmental Emergency Response, Southeastern FL – Performed 24-hour emergency environmental clean-up services on all state-maintained roads/interstates. **Dates:** 3/2007-3/2009

City of Atlanta/Astra Group, Upper Proctor Creek/Rodney Cook Senior Park, Atlanta, GA - Responsible for supporting the general contractor with second phase of soil remediation for lead impacted soil and slag encountered during construction activities at a Voluntary Remediation Program (VRP) Site. Oversaw the excavation, waste characterization, and offsite disposal of approximately 1,200 tons of lead impacted soil and slag. Directed soil stabilization utilizing Enviroblend™ for stockpiled soils that exceeded Subtitle D thresholds resulting in all excavated soils being accepted to a Subtitle D disposal facility.

R-P Grant Park, Avondale Ave Unpermitted Landfill, Atlanta, GA – Responsible for impacted soil and landfill excavation oversight, proper segregation for offsite disposal or potential reuse onsite. Performed sampling of soils for disposal or to certify compliance with residential risk reduction standards. Performed oversight of the installation of a passive methane gas cut-off trench to allow for a proposed residential development under the Brownfield Program.

Nelms Drive Landfill, Decatur, GA – Oversaw the installation and sampled methane monitoring wells, soil borings, and temporary monitoring wells for site assessment as part of initial Hazardous Site Inventory (HSI) delineation requirements.

REPRESENTATIVE PETROLEUM PROJECT EXPERIENCE

FDOT, Groundwater Monitoring Program, Ft. Lauderdale, FL - Performed groundwater sample collection at FDOT Operation Centers. Drafted and finalized a detailed report documenting analytical results, groundwater flow figures, and analytical tables. **Dates:** 3/2007-3/2009

The Kroger Co, Former Lavista Shell, Tucker, GA – Oversaw the cleaning and closure by removal of an existing UST system for site redevelopment. Collected soil and groundwater samples in accordance with Georgia Environmental Protection Division (GA EPD) guidance. Responsible for directing the general contractor relative to soil and groundwater petroleum impacted waste, containerization, sampling, and disposal during the installation of the new UST system.

Georgia Power Company, ECC, Forest Park, GA – Performed onsite characterization and consolidation of over 450 drums of oily water, oil, maintenance related oils, and miscellaneous drums. Grab samples and Chlor-DTect field test kits were conducted on all drums. Assisted in the development/implementation of the bulking plan that resulted in over 98% of waste being disposed as non-hazardous waste.

REPRESENTATIVE NATURAL RESOURCES PROJECT EXPERIENCE

Miami-Dade County DERM, Cutler Bay, FL – Performed remediation of an approximately 150–acre illegal dumping site and assisted in the engineering of habitat for a Red Mangrove Forest. **Dates:** 5/2008-7/2008

FDEP, Objective Based Vegetation Management, West Palm Beach, FL – Performed habitat data collection on approximately 76,000 acres of wildlife management areas for invasive species management/control. **Date:** 2007

The Kroger Co, Statesboro, GA – Performed onsite identification and demarcation of jurisdictional wetlands on an undeveloped property.

MARK KALIVODA, PE

PROJECT ENGINEER

MIAMI, FL

STARTED WITH PSI: 2018
YEARS OF EXPERIENCE WITH OTHER FIRMS: 5

EDUCATION

- M.S., Environmental Engineering, University of South Florida, 2017
- B.S., Civil Engineering, University of Florida, 2012
- B.S., Environmental Engineering, University of Florida, 2012

CERTIFICATIONS/REGISTRATIONS/TECHNICAL TRAINING

- Professional Engineer, State of Florida PE#86684, 2019
- Professional Engineer, Puerto Rico PE# 28723, 2023
- OSHA 29 CFR 1910.120 HAZWOPER 40 Hour Hazardous Workers, 2021
- EPA/AHERA Certified Asbestos Inspector, 2020
- Asbestos Inspector, Puerto Rico, ASB-0123-0008SI, 2023
- FDEP Stormwater Erosion and Sedimentation Control Inspector, Inspector Number 50681, 2022

MEMBERSHIPS/AFFILIATIONS

- American Water Works Association (AWWA)
- Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR)

PROFESSIONAL EXPERIENCE SUMMARY

Working with Intertek-PSI since 2018, Mr. Kalivoda has 13 years of experience in the environmental engineering field. He has gained field and management experience through various types of projects, including the performance and preparation of National Environmental Policy Act (NEPA) Checklists, Phase I Environmental Site Assessments (ESAs), Phase II ESAs, tank closure assessments, soil and groundwater sampling and analysis plans for impacted sites, contamination assessments, and remedial activities throughout Florida and Puerto Rico.

From 2016 to 2018, Mark worked as an Environmental and Civil Engineer at GSE Engineering & Consulting, Inc., where he conducted geotechnical site explorations and environmental site assessments. He served with the Peace Corps as an Engineer under the Water, Sanitation and Hygiene Program, installing chlorination systems and managing WASH projects from 2013 to 2015. As a Lead State Representative for Engineers Without Borders USA (EWB-USA) Southeast Region from 2011 to 2013, he worked providing knowledge and support to local chapters.

REPRESENTATIVE PROJECT EXPERIENCE

New River Middle School Industrial Hygiene – Legionella, Fort Lauderdale, Florida (2019) Conducted a limited water assessment for *Legionella sp.* bacteria throughout the property. The assessment was performed the client following the reported illness of an employee at the school. The scope of work consisted of the collection of 59 water samples from all accessible water supply sources (faucets, showerheads, eyewash stations, emergency showers, etc.) in addition to the cooling towers and several fish tanks located throughout the school. **PSI Fees: $**44,990

Sewer System Evaluation Surveys (SSES) for public systems throughout Miami-Dade County, Florida (2018-ongoing) In accordance with Chapter 24 of the Miami-Dade County Code (MDCC), each privately or publicly operated sanitary sewer system needs to be evaluated on a periodic basis. Performed evaluations included inspections, smoke tests, and groundwater intrusion flow testing at eight Miami-Dade County schools.

City Lot Site Assessment, 2005 NW 9th Street, Pompano Beach, Broward County, Florida | BCEPD License No. 1406 | FDEP ID No. 069819046 | PSI, on behalf of City of Pompano Beach completed a Site Assessment Report (SAR) for the Pompano Beach City - Lot, facility. The SAR documents the sampling rationale, location, field methodologies and laboratory methodologies utilized. The objective of the SAR is to delineate the identified onsite groundwater impacts documented in the TCAR dated July 6, 2022. The field events were completed under the Broward County Environmental Permitting Division's (BCEPD's) Environmental Assessment and Remediation (EAR) License Number 1406. **Role:** Project Manager | **Dates:** 2022-2023 | **PSI Fees:** $23,235

Fire Training Centers – PFAS Assessments, Various Sites, South Florida (2020) PSI performed preliminary site assessments at seven city and county-owned fire training facilities in South Florida as a Special Technical Project for the Florida Department of Environmental Protection. Historical documentation indicated that these facilities may have released ***per- and polyfluoroalkyl substances*** (PFAS) to the environment during training exercises. The preliminary site assessments consisted of collecting soil, sediment, surface water, and groundwater samples with subsequent analysis of PFAS by the FDEP analytical laboratory in Tallahassee. PSI worked closely with the Fire Departments for site access and notification of planned activities to minimize disruption to the Fire Stations during the assessments. We met the FDEP's budget and quality assurance specifications for each of the Fire Training Sites, and successfully delivered all report documents within the required expedited schedule of 24 hours. **Date**: 01/2019-03/2020 | **PSI Fees:** $110,036 | **Role:** Field Technician

Assessment of Biscayne Bay Coastal Wetlands, South Florida (2019-2022) Project Manager for an Environmental Assessment using protocols developed by the U. S. Army Corps of Engineers and South Florida Water Management District for the assessment of agrochemicals, organochlorine pesticides, and arsenic impacted soils on the Biscayne Bay Coastal Wetlands; land to be incorporated into the Comprehensive Everglades Restoration Plan (CERP). Work included assessment of impact to cultivated areas as well as a summary report over 1,600 acres of District preserved lands to be incorporated into a District program. **Client:** South Florida Water Management District, **Contact:** Mr. Robert Taylor| rtaylor@sfwmd.gov| 561.603.9078 | **PSI Fees:** $73,635 | **Role:** Project Manager

Collier Hogan Groundwater Study, Immokalee, Florida – Provided groundwater sampling and support services to the FDEP's Site Investigation Section (FDEP-SIS) to evaluate if recent petroleum hydraulic fracking has impacted the surrounding groundwater resources. Developed an analysis comparing the groundwater results to regulatory standards and expressing the trends of over 200 individual compounds over a two-year sampling timeframe, September 2021 to May 2022.

Tank Closure Assessment, Miami International Airport, Florida (2020 -2022) Project manager for the assessment and closure activities of two former fuel transportation pipes at the MIA Central Station. Work included a closure in place of the pipes, subsequent assessments of the surrounding area for petroleum impacts, and a Tank Closure Assessment Report. **Client:** Central Civil **Contact:** Mr. Henry Camasta| 305.888.3344 | hcamasta@centralcivil.com | **Role:** Project Manager

Gainesville Housing Authority, Gainesville, Florida (2017) Performed Format II Environmental Reviews for a low-income area near a historical cemetery as part of a development project for the U.S. Department of Housing and Urban Development (HUD).

Retirement Community, Florida (2017) Conducted Phase I and Phase II ESA activities for a planned retirement community that was historically citrus groves where pesticides and herbicides were applied and utilized.

Petroleum Closure Assessments (2016-2018) Conducted closure assessments for petroleum dispenser replacement throughout Florida. Responsibilities included scheduling, coordinating, sampling activities, groundwater contouring, data interpretation and report preparation.

EDRICK RAMOS

ENVIRONMENTAL PROJECT MANAGER

MIAMI, FL

STARTED WITH INTERTEK-PSI: 2023
YEARS OF EXPERIENCE WITH OTHER FIRMS: 8

EDUCATION

- PhD, Geological Engineering, Tecnológico de Monterrey, 2023
- MS, Hydrology, Michigan Technological University, 2016
- BS, Geology, University of Puerto Rico, 2010

CERTIFICATIONS/REGISTRATIONS/TECHNICAL TRAINING

- OSHA, 8-Hour HAZWOPER Refresher, 29 CFR 1910.120(e), 2023
- Transforming the Educator into Learning Facilitator, SEP DDPO95-2001, 2017
- English as a Medium of Instruction, ITESO 023WK2016

PROFESSIONAL EXPERIENCE SUMMARY

Mr. Ramos has 10 years of experience in environmental and civil engineering academic and industrial activities. He has a broad range of experience in surface and groundwater quality analysis, hydrogeological research, geological surveying, mapping and hazard interpretation, environmental planning, geotechnical assessments, pollution analysis, remediation planning and implementation, Phase I and II Environmental Site Assessments (ESAs), vapor intrusion investigations, sustainable project development, and grant/proposal coordination. Additional experience includes students and businesses mentorship for strategic effort development in boosting sustainable practices, projects, and community cohesion through grants and private funding sector through scientific reports, business/research plans and continuous innovation.

REPRESENTATIVE ENVIRONMENTAL PROJECT EXPERIENCE

Groundwater Site Assessments – Conducted well surveys to determine whether any public water supply wells, as defined in Chapter 62-550, FAC, are present within a ½-mile radius of the site, whether the site is located within the regulated wellhead protection zone of a public water supply well or well field, and whether any private water supply wells (including potable, irrigation, and industrial wells) are present within a ¼-mile radius of the site. Equipment decontamination, sample collection, field documentation, sample custody and laboratory analyses will be performed in general accordance with methods prescribed by the FDEP and U.S. Environmental Protection Agency (EPA). Draft Site Assessment Reports (SAR) documenting field activities and observations, soil and groundwater analytical results, providing conclusions and/or recommendations. **Role:** Senior Technical Support | **PSI Project**: 07843592 | **Date:** 2024 | **PSI Contract Manager:** Mark Kalivoda, PE

Petroleum Restoration Program (PRP), Florida Statewide – Completed quarterly PARM event (Y1, Q2). Including tasks such as: DTW measurements and GW sample collection for laboratory analysis. Prepared & submitted PARM Quarterly Reports. Collection of physico-chemical field parameters of pH, DO and ORP during GW Sampling – UIC and Field Parameters in Reports. Based on the results from OVA-PID and field observations, soil borings were selected and converted into temporary groundwater monitoring screen points to assess groundwater conditions to cross-reference with previous onsite RECs. Creation of temporary groundwater monitoring screen points using a stainless steel Geoprobe® Screen Point (SP) Groundwater Sampler tooling system. Following advancement/installation of the screen

point system at each location, groundwater is pumped from the screen point system using dedicated high-density polyethylene (HDPE) tubing connected to a peristaltic pump to remove sediment from the retrieved formation water. Groundwater purges and sample collection, sample storage on laboratory provided containers, placed on ice, and transported under chain-of-custody protocol for laboratory analysis submittal to a National Environmental Laboratory Accreditation Program certified laboratory. **Role:** Senior Technical Support | **PSI Project**: 07843560 | **Date:** 2024 | **PSI Contract Manager:** Andrew Morris

Environmental Site Assessments (ESAs Ph I & II) – performed the assessment under the supervision of an environmental professional (EP) as defined in 40 Code of Federal Regulations (CFR) 312.10. Performed services include regulatory records review, historical records review, site reconnaissance, interviews, Vapor Encroachment Screen (VES) in general accordance with ASTM E2600-22 and ASTM E1527-21, respectively. **Role:** Senior Technical Support | **PSI Project**: 07843924 | **Year:** 2024 | **PSI Contract Manager:** Jeremy Cottrell, LEP

Sanitary Sewer Evaluation Survey, Various Locations, South Florida – Conducted visual inspections of the sites' sanitary sewer system. These inspections included inspection of the cleanouts, manholes and, if required, all pump and lift stations. Preparation of evaluation summaries of any identified damages during inspections. Performed smoke tests of sanitary sewer lines. Conducted tests during dry conditions and isolated the facilities sewer lines from the main system. After line isolation and blockage, pumped non-toxic smoke into the lines to identify any perforations into the system. **Role:** Senior Technical Support | **PSI Project**: 07843752 **Date:** 2024 | **PSI Contract Manager:** Mark Kalivoda, PE

Department of Housing, Puerto Rico – Performed Tier II Environmental Reviews for single family houses as part of Solar Panel Installation Project for the Community Energy and Water Resilience Installations (CEWRI) Program. **Role:** Senior Technical Support | **PSI Project**: 0278-PR-H | **Date: May-Aug 2023 PSI Contract Manager:** Mark Kalivoda, PE

Environmental Sustainability & Project Development, Peace Corps, Guatemala – Developed community projects (STEM) and led 3 Elementary Schools into the reforestation of 3,000 endemic trees within the Pacaya Volcanic Complex. Speaker of the Peace Corps International & Diversity panel. Developed a Sustainability plan and recycling campaign for the Municipality of San Antonio Aguas Calientes. The program reduced the littering of PET and other plastic bottles by 60% in a 6-month period. **Date:** March 2011 to February 2013.

PUBLICATIONS

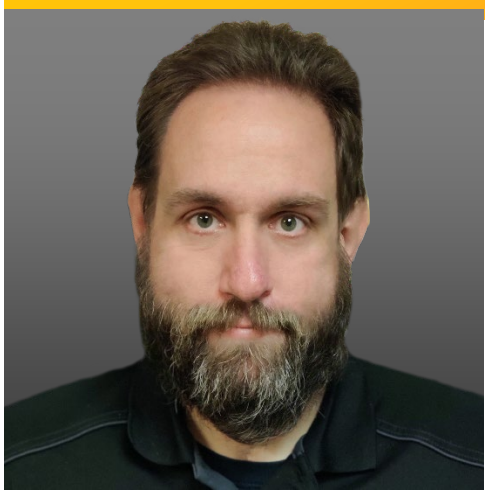
Ramos, Edrick, Raja Karim Bux, et al. (2023). Spatial and Multivariate Statistical Analyses of Human Health Risk Associated with the Consumption of Heavy Metals in Groundwater of Monterrey Metropolitan Area, Mexico" Water 15.6, p. 1243.

Ramos, Edrick et al. (2022). Assessment of Artificial Sweeteners as Wastewater Co-tracers in an Urban Groundwater System of Mexico (Monterrey Metropolitan Area) Water 14.20, p. 3210

Mahlknecht, Jurgen, Diego A. Padilla Reyes, **Edrick Ramos**, Luisa Ma Reyes, and Mario Moises Álvarez. The presence of SARS-CoV-2 RNA in different freshwater environments in urban settings determined by RT-qPCR: implications for water safety. Science of the Total Environment 784 (2021): 147183.

Ramírez-Moreno, Mauricio A., Sajjad Keshtkar, Diego A. Padilla-Reyes, **Edrick Ramos-López**, Moisés García-Martínez, Mónica C. Hernández-Luna, Antonio E. Mogro et al. Sensors for sustainable smart cities: A review. Applied Sciences 11, no. 17 (2021): 8198.

Ramos, Edrick, "A SMALL-SCALE WATER BUDGET APPROACH AND WATER QUALITY ASSESSMENT: A CASE STUDY FOR CALDERAS LAKE, GUATEMALA", Open Access Master's Report, Michigan Technological University, 2016.



JEREMY COTTRELL, LEP

PRINCIPAL CONSULTANT | PROJECT MANAGER

MIAMI, FL

STARTED WITH INTERTEK-PSI: 2005 | YEARS WITH OTHER FIRMS: 7

CERTIFICATIONS/REGISTRATIONS/ TECHNICAL TRAINING

- Licensed Environmental Professional, FL #343
- FDEP Certified Stormwater, Erosion, & Sedimentation Control Inspector, #7026
- Environmental Professional, Phase I ESA, PSI
- RMD's LPA-1 XRF Certified
- EPA/AHERA Certified Asbestos Inspector
- EPA/AHERA Certified Asbestos Contractor Supervisor
- NIOSH 582 – Phase Contrast Microscopy Air Sample Analyst
- State of Florida My Safe Florida Home Wind Certification Entity (WCE) Inspector #658
- OSHA 29 CFR 1910.120 HAZWOPER 40 Hour

MEMBERSHIPS/AFFILIATIONS

- Asbestos Analyst Registry (AAR)
- The International Society of Technical & Environmental Professionals, Inc. (#654)
- South Florida Association of Environmental Professionals
- Florida Environmental Assessors Association, Inc.

PROFESSIONAL EXPERIENCE SUMMARY

Mr. Cottrell has over 25 years of experience in the environmental field. In this time, he has gained field and management experience through various types of projects, including the performance and preparation of Phase I Environmental Site Assessments (ESAs), Phase II ESAs, tank closure assessments, soil and groundwater sampling and analysis plans for impacted sites and landfills, contamination assessments, remedial activities, asbestos and lead building inspections and asbestos air monitoring throughout Florida. He is responsible for senior technical review of Phase I ESAs, training new employees performing Phase I ESAs, and has been assigned as one of PSI's Principal Consultants for Phase I ESAs. He also interacts with clients to discuss environmental concerns and issues identified on properties.

REPRESENTATIVE PROJECT EXPERIENCE

1st Street Corridor Right-Of-Way Improvement Project, Miami Beach, FL (2017) PSI conducted a CSER to evaluate whether adjoining and/or surrounding properties along the 1.2-mi. project alignment had impacted the soil and groundwater with hazardous substances and/or petroleum products as part of preparation for upcoming water and stormwater upgrades. **Role:** Project Manager | **Client:** Wade Trim | **Dates:** 03/2017-10/2017 | **PSI Fees:** $14,000

West Kendall District Park Soil Sampling, Kendall, FL (2016) The subject property was used for agricultural practices and was planned to be developed into a park. The purpose of the soil sampling activities described herein was to evaluate if the excavated soil should be properly managed at a licensed landfill certified to receive contaminated material or may be re-used as fill material on-site. The soil assessment activities were performed within the area of a proposed lake approximately 23 acres in size located along the southeast corner of the subject property. **Role:** Project Manager | **Client:** Miami-Dade County Department of Regulatory and Economic Resources - Division of Environmental Resources Management | **Dates:** 12/2015-02/2016 | **PSI Fees:** $16,613 | **PSI Project:** 07841845

Vecellio Site Phase II ESA, West Palm Beach, FL (07/2020-ongoing) PSI conducted a Phase II ESA at the subject property, located at 101 Sansburys Way in West Palm Beach, Palm Beach County, Florida. The assessment was performed in general accordance with the scope and limitations of the contract between PSI and 101 Sansburys Way, LLC dated June 26, 2020. The work was performed to address specific RECs identified in PSI's Phase I ESA, dated June 30, 2020, and specific objectives that were stated by the client. The subject property consists of two land parcels totaling 33.25± acres.

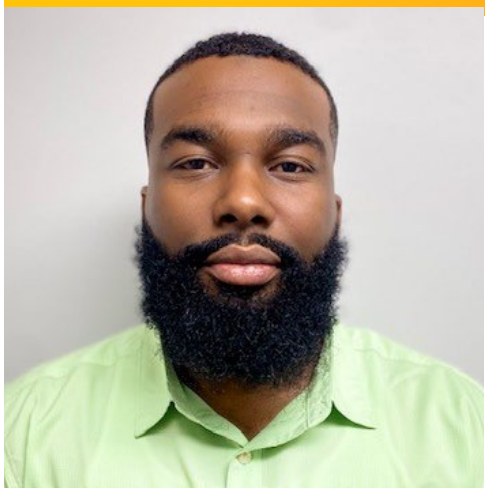
Building 1 is in the southeast section and is developed with one single-story office building. Buildings 2, 3, and 4 are warehouse structures located in the approximate center, the west section, and the northwest corner of the subject property, respectively, totaling approximately 58,144 square feet. ROLE: Project Manager | **Client:** Vecellio Group, Inc., 101 Sansburys Way, LLC, 101 Sansburys Way, West Palm Beach, Florida 33441 | PSI Fees: $22,100 | Dates: 07/2020-ongoing

Peter's Elementary LCAR/SSA, Plantation, FL (2017-2020) The subject property consists of a former power plant owned and operated by Florida Power and Light (FPL) that is under redevelopment. PSI collected soil samples from over 300 tons of material brought onto the subject property in phases for laboratory analysis to determine the presence of contaminants of concern (COCs). Soil samples collected are placed in laboratory provided containers and transported under chain-of-custody protocol to a laboratory for analysis by U.S. Environmental Protection Agency (EPA) Method 6010 for arsenic, barium, cadmium, chromium, lead, selenium, and silver, EPA Method 8270 for polynuclear aromatic hydrocarbons (PAHs), EPA Method 8082 for polychlorinated biphenyls (PCBs) and laboratory analytical method Florida Petroleum Residual Organics (FL-PRO) for total recoverable petroleum hydrocarbons (TRPH). A letter report summarizing the completed field activities is generated containing the field activities per sampling event and a copy of the laboratory analytical results are provided. **Client:** Phillips & Jordan | **Role:** Project Manager | **PSI Fees**: $85,000

Dania Beach Energy Center Redevelopment, Dania Beach, FL (2020) The subject property consists of a former power plant owned and operated by Florida Power and Light (FPL) that is under redevelopment. PSI is to collect soil samples from over 300 tons of material brought onto the subject property in phases for laboratory analysis to determine the presence of contaminants of concern (COCs). Soil samples collected are placed in laboratory provided containers and transported under chain-of-custody protocol to a laboratory for analysis by U.S. Environmental Protection Agency (EPA) Method 6010 for arsenic, barium, cadmium, chromium, lead, selenium, and silver, EPA Method 8270 for polynuclear aromatic hydrocarbons (PAHs), EPA Method 8082 for polychlorinated biphenyls (PCBs) and laboratory analytical method Florida Petroleum Residual Organics (FL-PRO) for total recoverable petroleum hydrocarbons (TRPH). A letter report summarizing the completed field activities is generated containing the field activities per sampling event and a copy of the laboratory analytical results are provided. **Client:** Phillips & Jordan | **Dates**: 07/2019-02/2020 | **PSI Fees**: $85,000 | **PSI Project:** 07842851

Dania Beach Water Treatment Plant 3A – Limited Site Assessment Services, Broward County, FL (2017) The site currently utilized a 1,000 gallon and 4,000-gallon USTs and a 4,000-gallon aboveground storage tank (AST) to store diesel fuel. PSI investigated the area of the 4,000-gallon UST located along the central portion of the property. Services included, tank locating via Ground Penetrating Radar (GPR), Soil sampling, Groundwater sampling, monitoring wells, and laboratory analysis. PSI provided a report detailing the field sampling protocols, laboratory analytical results, and comparison of the results to Chapter 62-777, Florida Administrative Code (FAC) cleanup criteria. **Role:** Project Manager

Nicklaus Children's Hospital Environmental Site Assessments, Palmetto Bay, Florida (2023) The subject property consists of three land parcels totaling 10.24± acres, referenced by Miami-Dade County Folio Numbers 33-5033-000-0840, 33-5033-000-0841, and 33-5033-000-0851. The subject property is developed with one single-story structure and one two-story structure totaling approximately 23,339 square feet with associated parking and landscaping constructed circa 1979 and is occupied by Variety Children's Hospital and by tenants of various pediatric medical uses. The south section of the subject property consists of grass-covered land. PSI completed a Phase I ESA on the subject property which revealed evidence of recognized environmental conditions (RECs). Based on the results of the Phase I ESA, PSI recommended the completion of a Phase II ESA. The objective of the Limited Site Assessment Report (LSAR) is to provide documentation relevant to the assessment activities, including the results of initial Phase II ESA activities performed by PSI and supplemental soil sampling and analyses activities towards the completion of delineation of contaminants in both soil and groundwater. **Client:** Nicklaus Children's Hospital | **Dates:** 02/2023-12/2023 | **PSI Fees:** $2,400.00 (Phase I); $16,300.00 (Phase II) | **Role:** Principal Consultant



TASANEE CRAIG

ENVIRONMENTAL SCIENTIST

MIAMI, FL

STARTED WITH PSI: 2023 | YEARS OF EXPERIENCE WITH OTHER FIRMS: 6

WORK HISTORY

- Tide Line Services LLC, Project Manager, 03/2023-12/2023
- Seminole Tribe of Florida, Senior Water Quality Technician, 07/2017-03/2023
- Florida Spectrum Environmental Services, Lead Field Technician, 10/2019-08/2021

CERTIFICATIONS/REGISTRATIONS/TECHNICAL TRAINING

- Introduction to Data Analytics– International Business Machines Corporation, 2025
- Water Quality Standards Academy*- United States Environmental Protection Agency Office of Water, 2021
- The Original Environmental Compliance Bootcamp – The AARCHER Institute, 2019
- DEP SOPs for Groundwater* – University of Florida TREEO Center, 2018/2019/2025
- DEP SOPs for Water Sampling & Meter Testing* – University of Florida TREEO Center, 2018/2019/2025
- R Boot camp for Ecologists & Wildlife Biologists – Center for Wildlife Studies, 2022
- Introduction to Cartography – Department of Interior Bureau of Indian Affairs, 2018
- 40-Hour HAZWOPER - OSHA

PROFESSIONAL EXPERIENCE SUMMARY

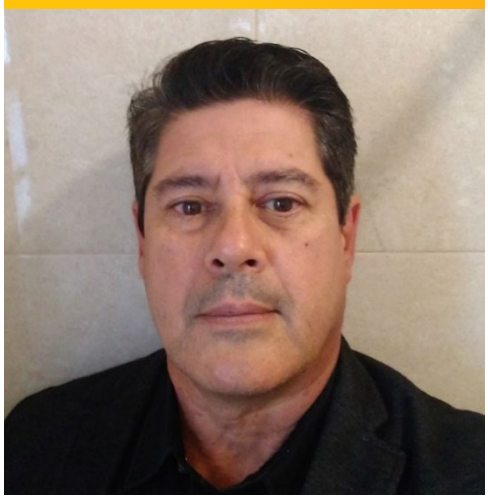
Mr. Craig is an environmental scientist and project manager with eight years of experience in environmental and civil engineering across government and industrial settings. His expertise spans surface and groundwater quality analysis, hydrogeological research, geological surveying, ecological planning, geotechnical assessments, and pollution analysis. He has extensive experience in remediation planning and implementation, vapor intrusion investigations, and soil and groundwater pollution studies, with a focus on groundwater chemistry, remedial investigations (RI), and remedial design. Proficient in data analysis using R software and Microsoft Suite, as well as GIS mapping for spatial analysis, Mr. Craig ensures precise reporting and data-driven decision-making. His role includes client communication, goal tracking, and identifying opportunities to improve project efficiency. Having managed environmental sampling programs, developed water budgets, and overseen field explorations, he possesses a deep understanding of environmental monitoring, regulatory compliance, and sustainable project development. His experience also includes grant and proposal coordination, further demonstrating his ability to drive strategic ecological initiatives.

REPRESENTATIVE PROJECT EXPERIENCE

Modified Landform Leveling, C-23/24 South Reservoir, St. Lucie County, FL – PSI, on behalf of the SFWMD, completed a modified landform leveling for the SFWMD C-23/24 South Reservoir. The Modified Landform Leveling Report documents the location, pre- and post-soil assessments, data analysis, sample methodologies, and laboratory methodologies utilized. The objective was to remediate copper-impacted soils within areas where concentration levels were above client-determined thresholds. The field events were completed following the Florida Department of Environmental Protection's (FDEP) SOPs for environmental sampling and analysis. | **Client:** South Florida Water Management District | **Role:** Environmental Scientist | **Date:** 08/2024-03/2025

Utility Removal/ Abandonment, C-11 Impoundment, Broward County, FL – PSI, on behalf of the SFWMD, completed an above and underground utility removal and abandonment for the SFWMD C-11 Impoundment. The Completion Report details the locations, pre-removal investigations, communications, oversight, and backfilling methodologies used throughout the project. The primary objective was to remove all above-ground and below-ground utilities within the project footprint and subsequently backfill the excavated areas. All field activities were conducted in accordance with the project-designated operations plan and the health and safety plan. | **Client:** South Florida Water Management District | **Role:** Environmental Scientist | **Date:** 12/2022-03/2025

Water Quality Assessment, Public School, Biscayne Beach, FL – PSI, on behalf of the MDCPS, completed a water quality assessment for one of the MDCPS schools. The Water Quality Testing Report documents the location, field assessments, data analysis, sample methodologies, and laboratory methodologies utilized. The objective was to assess possible harmful concentrations of bacteria within the project boundary. The field events were completed following the Florida Department of Environmental Protection's (FDEP) SOPs for environmental sampling and analysis. | **Client:** Miami-Dade County Public Schools | **Role:** Environmental Scientist | **Date:** 01/2025-03/2025



MANUEL PORRAS

SR. ENVIRONMENTAL TECHNICIAN

MIAMI, FL

STARTED WITH INTERTEK-PSI: 1999
YEARS' EXPERIENCE WITH OTHER FIRMS: 8

CERTIFICATIONS/REGISTRATIONS/TECHNICAL TRAINING

- EPA AHERA Asbestos Contractor/Supervisor, #99150, 1991
- EPA AHERA Asbestos Building Inspector, #101462, 1999
- NIOSH 582, #7ME050594001NIOSH, 1999

PROFESSIONAL EXPERIENCE SUMMARY

With over 30 years of related experience, Mr. Porras has performed a myriad number of environmental testing services including storage tank removal and assessment activities, site assessment activities, soil and groundwater sampling for field screening and laboratory analysis, and has extensive experience with asbestos inspections, abatements, indoor air quality studies. For asbestos-related projects, he is responsible for preliminary field inspection services that are vital to the successful completion of an asbestos project. During the assessment phase, he conducts building inspections, samples suspect materials, estimates material quantities, determines exposure potentials for each area, and indicates material locations on floor plans.

He has performed large scale building inspections for major clients such as Miami-Dade County Aviation Department, Florida Department of Transportation and University of Miami. As a project monitor during asbestos abatement projects, Mr. Porras is responsible for monitoring contractor's activities, documenting work practices, and monitoring contractor's compliance with contractual requirements and regulatory compliance. He serves as the owner's onsite representative to assure a safe and economical abatement project, and documents daily activities, discovers conditions, or changes in the project scope that may affect the contract for a given project.

REPRESENTATIVE PROJECT EXPERIENCE

Overtown Youth Center Renovation - Phase I & II ESAs, Asbestos, IAQ, Miami, FL (2019-2020) Senior Field Technician for the Phase I ESA in general accordance with ASTM E1527-13 and based upon historical data for the site, Phase II services including a GPR survey, groundwater and soil-gas sampling activities were performed. A detailed report including findings, conclusions, and recommendations was provided to the client. **Role:** Sr. Field Technician - Asbestos | **Client:** Claro Development | **Dates:** 03/2019-06/2019 | **PSI Fees:** $32,400 | **PSI Project:** 07842763/2848

Coral Gables City Hall – Asbestos Survey and Abatement Monitoring, Coral Gables, FL (2018) Following up on our 2014 Asbestos Renovation survey of the property, PSI performed air monitoring and oversight from June 8, 2018, to June 9, 2018, during the removal of asbestos-containing 12"x 12" floor tile and the associated black floor mastic in the 3rd floor proximity of the City Attorney's Office. PSI performed final clearance inspection and provided written reports and certifications of airborne fiber results to the owner upon project completion. **Role:** Sr. Technician

City Hall Bldg. 3rd Floor Asbestos Assessment & Abatement Services, Coral Gables, FL (2024) Subsequent to our Asbestos Survey activities, PSI was retained by the City of Coral Gables to provide Asbestos abatement oversight including air monitoring and project management services at the city hall building attic space. The inspection was conducted by U.S. Environmental Protection Agency (EPA) accredited inspectors under the direction of Mr. John Emerson, CSP, FLAC and PSI Principal Consultant Mr. Michael Rothenburg. **Role:** Sr. Technician

FIU AHC2 Anatomy Lab: Asbestos and Lead Based Paint Survey & Visual Mold/Fungal and Hazmat Assessment, Miami, FL – PSI performed surveys for asbestos-containing materials (ACM) and lead-based paint (LBP) and visual assessments for mold and Hazardous Materials (HAZMAT) of the renovation areas of FIU AHC2 Anatomy Lab. The site was constructed of concrete slab floors, concrete block walls and a concrete deck roof. Interior finishes consist of finished drywall panel walls, Carpeting, vinyl tile, epoxy flooring and lay-in tile ceilings. The area surveyed occupies approximately 4,227 square feet of floor space. **Role:** Sr. Technician | **Dates:** 02/2023-03/2023

Miami Beach Convention Center: Mold & Limited Indoor Air Quality Assessment, Miami Beach, FL – PSI conducted a Mold and Limited Indoor Air Quality (IAQ) Assessment of select areas within the 1st, 2nd and 3rd floors of the Miami Beach Convention Center following the recent $640M renovation. The heating, ventilation and air conditioning (HVAC) system was de-energized for extended periods in 2020 due to non-occupancy of the facility because of the Covid-19 pandemic. Several water intrusion and condensation issues were reported throughout the facility which raised concerns about potential mold contamination and the effect on overall indoor air quality throughout. PSI services include visual inspection, air testing, moisture testing, IR testing, fungal surface sampling and testing, remediation recommendations, as necessary. **Role:** Sr. Technician | **Dates:** 04/2021-05/2021 | **PSI Total Fees:** $39,718

Hialeah WWTP Limited Asbestos Renovation Surveys & Lead-based Paint Inspections, Hialeah, FL (2019-2020) Per the client's direction, for the related projects, asbestos surveys included the sampling and analysis of the Scrap Yard, the exterior of the feed building, Softener #1 coating insulation, and Structural Shop office. The LBP survey was limited to the sampling and analysis of suspect coatings located on the interior and exterior of the metal beams, of the building. Testing was associated with the planned renovation of the building. **Client:** Miami Dade Water & Sewer Department | **Role:** Project management, field sampling and testing, report preparation | **PSI Fees:** $19,000

Frances S. Tucker Elementary School – Lead-Based Paint Survey, Miami, Florida (2019) Sr. Field Technician for lead-based paint (LBP) survey. This project area encompassed approximately 45,000 square feet. The purpose of the LBP testing was to identify painted surfaces or other surface coatings containing an excess of 1.0 milligrams per cubic centimeter (mg/cm2) of lead by X-Ray Fluorescence (XRF) testing on surfaces to affected by the planned pressure washing and repainting activities. **Role:** Sr. Technician | **Date:** 2019

Coral Gables City Hall Renovations – Asbestos Abatement Monitoring, Coral Gables, FL (06/2018) Sr. Field Technician for air monitoring and oversight during the removal of asbestos-containing 12"x 12" floor tile and the associated black floor mastic in the 3rd Floor proximity of the City Attorney's Office. Asbestos abatement activities were performed by MCO Environmental, Inc. PSI conducted visual inspections of the work area and collected work in progress clearance air samples, which were analyzed utilizing the NIOSH 7400 Method.

Bacardi Building - Planned Demolition, Miami, FL (05/2018) The site consists of a vacant office building occupying approximately 24,827 square feet. PSI previously conducted an asbestos renovation survey and baseline mold assessment of the interior of the building in February 2013. This updated asbestos survey and baseline mold assessment was performed to assist the facility owner and contractor performing the demolition in complying with requirements of 40 Code of Federal Regulations (CFR) Part 61, the National Emission Standards for Hazardous Air Pollutants (NESHAP) and 29 CFR 1926.1101, the OSHA Asbestos Construction Standard. **Role:** Sr. Field Technician

Miami International Airport Baggage Handling Systems Proposed Renovations, Miami, FL (05/2017) Sr. Field Technician for Asbestos Consulting Services for the planned renovations of the baggage handling systems and surrounding areas of the South and Central MIA terminals to include, preparation of Asbestos Affidavits to be submitted as part of the permit packages, performance of renovation asbestos surveys, as needed, to determine the absence or presence of asbestos containing materials (ACM) impacted by the planned renovation activities, developing an abatement work scope, and monitoring of abatement activities with clearance inspections and sampling.

Miami-Dade County General Service Administration; Miami, Florida – Sr. Field Technician for performing asbestos inspections, asbestos abatement monitoring, indoor air quality surveys at various county owned facilities.

BACTERIOLOGICAL WATER QUALITY SAMPLING

CITY OF DELRAY BEACH WATER TREATMENT PLANT

DELRAY BEACH, PALM BEACH COUNTY, FLORIDA

Client

Intercounty Engineering, Inc.
1925 NW 18 Street
Pompano Beach, Florida 33069

Eric Jones
General Manager
(954) 972-9800
ejones@intercountyengineering.com

Performance Period
May / 2021 – August / 2023

Project Value
$ 14,347.00

Description

In May 2021, PSI was tasked with developing a scope of work and proposal to collect and analyze drinking water samples following the replacement of filter media in eight filters at the City of Delray Beach Water Treatment Plant. The goal was to verify compliance with disinfection standards per local regulations. From October 2021 to August 2023, PSI conducted eight site visits to collect samples after each filter's media replacement. Sampling was done from pre-installed ports, with flushing and pre-sampling tests for pH and chlorine conducted in accordance with FDEP SOPs. Samples were then sent to a lab under chain-of-custody protocols, and PSI prepared summary reports based on the results for each visit.

BACTERIOLOGICAL WATER QUALITY SAMPLING – RIVER LANDING

CITY OF MIAMI

MIAMI-DADE COUNTY, FLORIDA

Client

RL Miami, LP
Public Works Department
283 Catalonia Avenue, Suite 100
Coral Gables, Florida 33134

Fina Marzoa
Construction Administration
(305) 442-3108 x229
fina@urbanxco.com

Performance Period
April / 2024

Project Value
$ 1,750.00

Description

In April 2022, PSI was engaged to conduct water quality sampling and analysis after water intrusion was observed in the basement of a client's facility, originating from the hydrostatic slab of a retail commercial loading dock. Due to the location's proximity to the Miami River and stormwater systems, bacteriological testing was performed to assess potential contamination. PSI collected two water samples from the standing water using a peristaltic pump and conducted field measurements for salinity, temperature, dissolved oxygen, and turbidity, following FDEP SOPs. Samples were collected mid-depth, placed in lab-supplied containers, packed on ice, and sent under chain-of-custody to EMSL, a NELAP-certified lab, for analysis including Total Coliform, Fecal Coliform, E. coli, Enterococcus, and Human Bacteroides spp. via qPCR. PSI then prepared a summary report documenting all field and lab findings

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BACTERIOLOGICAL WATER QUALITY SAMPLING – ACADIA HEALTHCARE AT PARK ROYAL HOSPITAL

CITY OF FORT MYERS

LEE COUNTY, FLORIDA

Client
Acadia Healthcare
Public Works Department
6100 Tower Circle, Suite 1000
Franklin, Tennessee 37067

Webb Embry
Vice President
(615) 721-1327
Webb.Embry@acadiahealthcare.com

Performance Period
April / 2024

Project Value
$ 2,200.00

Description

In October 2022, PSI was contracted to perform water quality testing at a hospital facility to establish baseline disinfection standards for its water distribution system. Sampling was conducted in accordance with FDEP SOPs.

PSI collected drinking water samples from a maintenance office sink, measuring salinity, temperature, dissolved oxygen, and turbidity using calibrated field instruments. Samples were gathered using a peristaltic pump and HDPE tubing, placed in lab-supplied containers, and submitted under chain-of-custody for certified laboratory analysis. Testing focused on Total Coliforms and *Escherichia coli* using EPA Method 9222B, and was performed by EMSL, a NELAP-certified lab. PSI provided a summary report detailing field procedures and lab results

BACTERIOLOGICAL WATER QUALITY SAMPLING – US ARMY VESSEL

MIAMI BEACH COAST GUARD STATION

MIAMI-DADE COUNTY, FLORIDA

Client
Intertec-Lintec
Deerwood Glen 1
Deer Park, Texas 77536

Hauk Wahl
(713) 534-0020
hauk.wahl@intertek.com

Performance Period
April / 2021

Project Value
$ 1,200.00

Description

In April 2021, PSI was engaged to perform water quality testing at the Miami Beach USCG Station Pier 10 to evaluate potential contamination of a potable water tank by an onboard sewage tank. All sampling activities followed FDEP Standard Operating Procedures.

PSI personnel boarded an ARMY vessel and conducted bacteriological sampling after decontaminating each sampling port using a bleach solution followed by flushing. Field tests for pH and chlorine were performed before and after decontamination to confirm the absence of bleach residue.

Samples were collected, preserved on ice, and submitted under chain-of-custody to a NELAC-certified lab (FL DOH #E82535) for analysis of total coliform and E. coli using EPA Method 9223B. PSI prepared a summary report detailing fieldwork and laboratory results.

BACTERIOLOGICAL WATER QUALITY SAMPLING – MAHI CANAL

CITY OF CORAL GABLES

MIAMI, MIAMI-DADE COUNTY, FLORIDA

Client
City of Coral Gables
Public Works Department
2800 NW 72nd Avenue
Miami, Florida 33155

David Galeano
Project Manager / Civil Engineer
(305) 460-5017
dgaleano@coralgables.com

Performance Period
May / 2023 – October / 2024

Project Value
$ 9,674.00

Description

In May 2021, PSI was tasked with developing a scope of work and proposal to perform water quality sampling and analysis following a sanitary sewer overflow into the Mahi Canal in Coral Gables in April 2023. The goal was to assess the presence of bacteriological contaminants in the canal, in accordance with FDEP SOPs.

Sampling occurred during two events in April 2023 and October 2024, involving four mobilizations to locations along the canal near Ponce de Leon Blvd. and South Alhambra Circle. Water samples were collected from three points: 200 yards, half a mile, and one mile upstream from the discharge site. Field measurements for salinity, temperature, dissolved oxygen, and turbidity were taken using calibrated instruments. Samples were collected mid-depth using a peristaltic pump with HDPE tubing, then sent under chain-of-custody to a certified lab for Escherichia coli and Enterococcus spp. analysis.

Results were evaluated against the EPA's 2012 Estimated Illness Rate-Statistical Threshold Value (STV) criteria. PSI prepared a summary report for each mobilization documenting the sampling procedures and laboratory findings.

WATER QUALITY SAMPLING – SOUTH PLANTATION HIGH SCHOOL

CITY OF PLANTATION

BROWARD COUNTY, FLORIDA

Client
School Board of Broward County
4200 NW 10th Avenue
Oakland Park, Florida 33309

Alison D. Witoshynsky
Environmental Health & Safety Department

Performance Period
November / 2020

Project Value
$ 9,674.00

Description

In May 2021, PSI was requested to develop a scope of work and proposal for water quality sampling and analysis of a liquid found in a plastic container stored on a school campus, aiming to establish a waste stream profile for proper disposal.

Sampling was conducted on October 29, 2020. One sample (TK-1) was collected using a peristaltic pump and polyethylene tubing, placed in lab-supplied containers, and transported on ice under chain-of-custody to Advanced Environmental Laboratories, Inc. in Miramar, FL.

The sample underwent laboratory analysis for ignitability (EPA Method 1020), total sulfides and cyanides, TCLP for RCRA 8 metals, VOCs (Method 8260), SVOCs (Method 8270), organochlorinated pesticides (Method 8081), and herbicides (Method 8151). Field procedures followed FDEP SOPs, and PSI prepared a summary report documenting all sampling and analytical activities.

CONTRACTOR PERFORMANCE EVALUATION FORM

X **TA/PO Completion Performance Evaluation** **or** **____** **Interim Performance Evaluation**

Contractor Name: Professional Service Industries, Inc. Contractor ID No: 00222

Contract No.: GC876 TA/PO No.: GC876-001H; PO# C16E92 TA/PO Task No(s). (*if interim eval.*):

Evaluation Period: 3/22/2023 to: 6/26/2023 DEP Facility No.: 138503535

Facility/Project Name & Address: Fas Auto Radiator, 13300 Nw 7Th Ave Miami

Description of Work Performed: RA - RAP

Evaluator Name: Monica Castro Team/LP: PCLP13 Position Title: Site Manager

Evaluator's Signature: *Electronically signed by CASTRO_MR* Evaluation Date: 6/29/2023

I. Performance Rating and Ranking: The Performance Rating outlined below is based on the corresponding contractor rating details in Section II and, if a PO Completion Performance Evaluation, the attached Site Owner/ Responsible Party Contractor Performance Survey. *Note, if any of the performance categories do not apply to a specific evaluation (i.e. Owner/RP Input does not apply to the Task Completion Evaluation), it should be omitted and the weight factor for the remaining categories adjusted proportionately.*

Performance Category	*Rating*	*Weight Factor*	*Weighted Rating*
1. Project Timeliness	*2.00*	**10%**	*0.20*
2. Invoicing	*2.00*	**15%**	*0.30*
3. Reports	*2.00*	**15%**	*0.30*
4. Communication	*2.00*	**10%**	*0.20*
5. Cost Control	*NA*	**15%**	*NA*
6. Quality and Technical Competence	*2.00*	**25%**	*0.50*
7. Owner/RP Input	*2.00*	**10%**	*0.20*
Overall Weighted Performance Rating: *(sum of weighted ratings for all categories)*			***2.00***

Ranking

Top Performer: *Overall Weighted Rating of > 1.5 to 2.0*

Good Performer: *Overall Weighted Rating of >1.0 to 1.5 (with no "0" un-weighted ratings)*

Marginal Performer: *Overall Weighted Rating of > 0.5 to 1.0 (with no "0" un-weighted ratings)*

Poor Performer: *Overall Weighted rating of ≤ 0.5 (or any "0" un-weighted ratings)*

Performance Ranking:	***__ Poor***	***__ Marginal***	***__ Good***	***X Top***

II. Contractor Performance Evaluation Questionnaire

1. <u>Project Timeliness</u>:

a. Excepting for circumstances beyond the contractor's control, tasks and deliverables were completed on time or ahead of the schedule in the PO. *(Always = 2, < 3 weeks late = 1, ≥ 3 weeks late = 0)*

[X] 2 **[ ] 1** **[ ] 0** **[ ] n/a**

CONTRACTOR PERFORMANCE EVALUATION FORM

X **TA/PO Completion Performance Evaluation** **or** **____** **Interim Performance Evaluation**

Contractor Name: Professional Service Industries, Inc. Contractor ID No: 00222

Contract No.: GC876 TA/PO No.: GC876-002H; PO# C1AC07 TA/PO Task No(s). (*if interim eval.*): ____

Evaluation Period: 5/9/2023 to: 6/17/2024 DEP Facility No.: 068501885

Facility/Project Name & Address: Rocket Fuel, 4221 N 66Th Ave Davie

Description of Work Performed: RA - PARM

Evaluator Name: Jennifer Maur Team/LP: PCLP6 Position Title: Site Manager

Evaluator's Signature: *Electronically signed by MAUR_J* Evaluation Date: 7/3/2024

I. Performance Rating and Ranking: The Performance Rating outlined below is based on the corresponding contractor rating details in Section II and, if a PO Completion Performance Evaluation, the attached Site Owner/ Responsible Party Contractor Performance Survey. *Note, if any of the performance categories do not apply to a specific evaluation (i.e. Owner/RP Input does not apply to the Task Completion Evaluation), it should be omitted and the weight factor for the remaining categories adjusted proportionately.*

Performance Category	***Rating***	***Weight Factor***	***Weighted Rating***
1. Project Timeliness	*2.00*	**10%**	*0.20*
2. Invoicing	*2.00*	**15%**	*0.30*
3. Reports	*2.00*	**15%**	*0.30*
4. Communication	*2.00*	**10%**	*0.20*
5. Cost Control	*2.00*	**15%**	*0.30*
6. Quality and Technical Competence	*2.00*	**25%**	*0.50*
7. Owner/RP Input	*NA*	**10%**	*NA*
Overall Weighted Performance Rating: *(sum of weighted ratings for all categories)*			***2.00***

Ranking

Top Performer: *Overall Weighted Rating of > 1.5 to 2.0*

Good Performer: *Overall Weighted Rating of >1.0 to 1.5 (with no "0" un-weighted ratings)*

Marginal Performer: *Overall Weighted Rating of > 0.5 to 1.0 (with no "0" un-weighted ratings)*

Poor Performer: *Overall Weighted rating of ≤ 0.5 (or any "0" un-weighted ratings)*

Performance Ranking:	__ ***Poor***	__ ***Marginal***	__ ***Good***	**X** ***Top***

II. Contractor Performance Evaluation Questionnaire

1. <u>Project Timeliness</u>:

a. Excepting for circumstances beyond the contractor's control, tasks and deliverables were completed on time or ahead of the schedule in the PO. *(Always = 2, < 3 weeks late = 1, ≥ 3 weeks late = 0)*

X **2** ☐ **1** ☐ **0** ☐ **n/a**

TASK 1: REVIEW CURRENT RELEVANT DATA ACROSS ALL GOCS AND IDENTIFY OPPORTUNITIES

All available historical data from within the GOC will be collected and organized into a relational database management system (RDMS), with Excel CSV files serving as the primary format for data storage. Once structured, the data will be evaluated for inefficiencies, inconsistencies, and any potential errors that may have developed over time. A collaborative effort will be undertaken to clean and transform the affected data into a reliable and meaningful format, enabling actionable insights. Programming software will be utilized for data engineering, analysis, and reporting.

Once the dataset has been fully organized, monitoring sites will be evaluated relative to one another to assess the quantity of data collected and identify which locations were sampled more frequently, and why. For sites with insufficient data, statistical methods will be employed to estimate missing values within a reasonable confidence interval, ensuring a consistent standard of data distribution across all sites. The objective is to align each site's data frequency with the baseline outlined in the projected water monitoring plan. Bi-weekly bacteria data collected from beach sites will be interpolated using a linear method to create a weekly observation dataset, enhancing the ability to define upper and lower bounds and track trends for future weekly data points. Other sites with less frequent sampling will be standardized to a monthly observation baseline using bootstrapping techniques to support trend analysis.

Following data collection, observational results will be evaluated against pollutant criteria to assess compliance with established thresholds and to prioritize areas based on environmental concern. The RDMS will facilitate the development of visualizations, such as heat maps, boxplots, bell curves, and other statistical graphics, to clearly convey patterns and trends. Once these visual outputs and analytical insights are generated, the findings will be translated into layman's terms in a report format to support the interpretation of both current and historical data. This process will guide the development of targeted, actionable steps toward designing a comprehensive monitoring plan.

TASK 2: IDENTIFY ACTIONS THAT MAY MITIGATE POLLUTANTS

Based on the data analysis, a phased implementation of Best Management Practices (BMPs) will be recommended to address pollutant levels. According to the RFP, key pollutants fall into three categories: Nutrients/Algal Bloom Indicators, Bacteria, and Runoff. For chemical runoff such as hydrocarbons, heavy metals (e.g., lead, copper, zinc), pesticides, and polycyclic aromatic hydrocarbons (PAHs), oil-absorbent booms will be strategically placed in areas within the GOC that show elevated chemical pollutant concentrations. The deployment will consider limiting factors like high flow rates, site accessibility, and identifiable sources such as stormwater outflows. To address bacteria and nutrient pollutants like enterococci, nitrogen, and phosphorus, a biological filtration approach will be prioritized, supported by cleanup efforts. Natural filtration methods, coupled with routine operations and maintenance plans, will provide sustainable benefits and foster community involvement. These biological strategies will focus on enhancing water quality in marine environments, primarily through the implementation of oyster gardens and seagrass/mangrove broadcast seeding, as well as shoreline and shallow channel bed debris cleanups. These efforts will be assessed through site bathymetric surveys and side-scan sonar scans to evaluate topography and measure progress. Cost Estimates will be developed following deployments to evaluate site status.

TASK 3: DESIGN WATER QUALITY MONITORING PROGRAMS

The monitoring program will be designed based on the outcomes of Task 1. Each proposed monitoring site will be evaluated for existing infrastructure, ease of access, remoteness, and the extent of human activity. Sites will also be assessed for variability in pollutant concentrations, with those exhibiting greater fluctuations prioritized due to the increased uncertainty in trend detection. Accessibility will play a key role in site selection to ensure consistent sample retrieval on a weekly, bi-weekly, or monthly basis. All monitoring data will be stored and managed within the RDMS, with Excel CSV files used to ensure consistent formatting. Engineering and statistical analysis will be conducted using programming software to support high-quality data interpretation and reporting. This multi-parameter strategy will enable the development of a detailed water budget for the GOC, supporting the evaluation of water movement and distribution. By integrating both water quantity and quality data, flow-weighted nutrient concentrations can be calculated—an essential step toward establishing Total Maximum Daily Loads (TMDLs).

A designated day each week will be dedicated to bacterial sampling from swimming beaches, in recognition of the short hold times required for these samples and the importance of same-day submissions. These weekly efforts will be supplemented by a phased beach assessment, starting with a gradient analysis. This will involve collecting multiple samples at each beach to identify localized concentration peaks. Future phases will refine the number and location of sampling points based on initial findings, focusing on areas with consistently elevated levels. These phases will be implemented at the discretion of the project manager based on observed trends.

The following day will focus on baseline sampling, covering all pollutant groups. The sampling schedule will be organized as follows:

Weekly Sampling Breakdown:

- **Day 1**: All Beach Sites & Same Day Drop-Off (8 grab samples)
- **Day 2**: Baseline Sampling – Rotating between key monitoring areas (4 grab samples)
- **Day 3**: Sample Drop-Off

Rotational Site Sampling Plan:

- **Week 1**: Beaches and Key West Harbor & Outer Harbor
- **Week 2**: Beaches and Florida Keys National Marine Sanctuary (FKNMS)
- **Week 3**: Beaches and Stock Island Channels
- **Week 4**: Beaches and Shoreline Areas

This structure fulfills the weekly bacteria monitoring requirement for public health while establishing a standardized monthly surface water (MSW) quality assessment across all high-priority locations. Sampling will initially be performed using grab techniques. This approach will remain in place until a determination is made regarding the implementation of long-term or continuous monitoring systems.

Baseline (MSW) Sample Suite:

- **Nutrients and Algal Bloom Indicators:** Ammonia, Nitrite, Nitrogen Oxides, Orthophosphate, Total Kjeldahl Nitrogen, Total Phosphorus, Chlorophyll *a*, Calcium Carbonate, Chloride, Total Suspended Solids, Turbidity
- **Bacteria:** Enterococci
- **Metals (Runoff Indicators):** Arsenic, Cadmium, Copper, Lead, Zinc, Total Magnesium, Total Sodium
- **Physical-Chemical Parameters:** Temperature, Salinity, pH, Dissolved Oxygen, Turbidity, Conductivity

Swimming Beaches Sample Suite:

- **Bacteria:** Enterococci (sampled weekly) and *E. coli* once a month
- **Physical-Chemical Parameters:** Temperature, Salinity, pH, Dissolved Oxygen, Turbidity, Conductivity

TASK 4: INCREASE AVAILABILITY OF RECENT BEACH REPORTS

The current sampling regimen will be reviewed in collaboration with FDOH personnel to assess their analytical methodologies and data collection practices. As part of the enhanced hydrological data collection outlined in the proposed water quality monitoring plan, a weekly bacteria report will be developed and disseminated, delivering more frequent updates to staff through internal reports and to the public via the existing FDOH web portal. This weekly report will complement the baseline monthly sampling report by providing additional context and deeper insights through comparisons of current and historical data. By establishing upper and lower threshold values, these reports will offer a clearer interpretation of current conditions, helping to determine whether water quality is improving or declining. The resulting insights will guide the strategic implementation of BMPs in areas of concern and reinforce ongoing maintenance efforts at sites exhibiting favorable conditions. All data will undergo rigorous QA/QC procedures before integration into the RDMS, ensuring a consistent and reliable framework for long-term data preservation.

TASK 5: INCREASE COMMUNITY KNOWLEDGE OF DATA/ BEACH REPORT IMPLICATIONS

To strengthen community engagement and promote awareness of local water quality conditions, a monthly “Beaches of the Month” campaign will be launched, leveraging the water quality ranking system developed in Task 1. This

initiative will highlight the top three beaches each month that demonstrate optimal water quality, intending to encourage responsible recreational use and foster a shared commitment to environmental stewardship. Public-facing reports will feature site-specific photographs and simplified data visualizations and will be distributed to those managing local social media platforms. Each post will include embedded links directing interested audiences to the full monthly technical reports for more in-depth information.

To complement digital outreach efforts, physical signage will be installed at featured beach sites and in areas where biofiltration systems are implemented. These signs will include interchangeable panels that can be updated weekly to reflect current beach rankings or provide information on the function and benefits of biofiltration practices. Each sign will also feature QR codes or URLs linking to the active social media platforms and other relevant online resources. This approach will enhance public access to real-time water quality information and strengthen transparency around ongoing monitoring and environmental management efforts.

In parallel, community outreach events will be organized to support the implementation and long-term maintenance of biofiltration systems. These events will include educational workshops, volunteer opportunities, and environmental awareness campaigns, offering participants hands-on experience in water quality management and ecological restoration. The outreach component aims to engage a minimum of 50 community members, helping to build sustained local investment in environmental health initiatives and cultivate a culture of active participation.

TASK 6: ASSIST WITH DESIGN OF NEW BEACH WATER QUALITY MONITORING PLAN

The completion of prior tasks will inform the development of this plan, not only for the beaches but for the broader monitoring strategy, by ensuring that all tools and datasets are properly organized to support a more efficient and effective approach. Where appropriate, continuous monitoring systems will be implemented to supplement periodic nutrient sampling. Additional instrumentation such as physical parameter sensors, rainfall gauges, and stage elevation monitors will be installed to enhance the accuracy, resolution, and completeness of hydrological data collection.

These technologies will reduce the need for frequent manual sampling outside of the baseline plan, which will help lower labor costs and allow staff to focus on other critical project objectives. A comprehensive data collection, operations, and maintenance plan will be developed to ensure the quality and reliability of the data. This will include regular equipment calibration, spot sampling, and scheduled cleanings as part of the QA/QC procedures.

If budget allows, these systems can be upgraded with telemetry capabilities to enable real-time data acquisition. This will minimize the need for field deployments while maintaining access to timely and accurate data for analysis. A more robust hydrological dataset will strengthen the ability to conduct meaningful analysis and inform decision-making. This will also support the development of a water budget and allow for the creation of predictive models that assess both water quality and quantity.

PROJECT MANAGEMENT

All equipment is regularly cleaned and maintained in accordance with internal protocols, FDEP decontamination standard operating procedures (SOPs), and applicable equipment preservation practices. A running inventory log is maintained to prevent unexpected shortages and ensure timely restocking of materials. Personal protective equipment (PPE) is stored and managed in compliance with OSHA standards. All supplies are kept in sufficient quantities to accommodate potential equipment failure or increased project demands.

KNOWLEDGE, SKILLS, AND ABILITIES REQUIREMENTS FOR PSI FIELD STAFF:

PSI will provide qualified field personnel in accordance with the criteria outlined below. If staffing changes occur during the contract term, PSI will submit documentation verifying that any new sampler meets the specified qualifications prior to assigning them to a work order. QA/QC Manual attached.

Field personnel must be qualified to collect all sample matrices and perform all methods associated with their assigned projects.

Minimum Qualifications:
All field staff are required to hold a current FDEP Water and Groundwater Sampling & Meter Testing Certification and must exhibit comprehensive familiarity with the 2017 Florida Department of Environmental Protection (FDEP) Standard Operating Procedures, effective as of April 16, 2018. Personnel must rigorously comply with the sampling protocols outlined in each project-specific Monitoring Plan. A foundational proficiency in water chemistry principles is essential.

Field Competencies:
Field staff must be proficient in the calibration, operation, and routine maintenance of environmental monitoring instruments, including multi-parameter water quality sondes, automated samplers, and various groundwater, surface water, and sediment sampling devices. They are expected to produce meticulous and complete documentation of all field operations, in accordance with applicable FDEP SOPs and internal PSI guidelines. Competence in utilizing computer systems and data management software to log, upload, and manage calibration records, field notes, and analytical data is also required. Additionally, staff must have experience in collecting surface water samples and conducting associated in situ measurements, strictly adhering to relevant FDEP SOPs and established quality assurance/quality control (QA/QC) protocols..

Physical and Environmental Requirements:
Physically, personnel must possess the ability to swim and safely lift items weighing up to 40 pounds. They should be prepared to work extended hours under strenuous field conditions, including exposure to extreme heat, cold, humidity, precipitation, and potential encounters with hazardous wildlife such as alligators, snakes, and stinging or biting insects. The role also requires the ability to navigate and traverse rough terrain or levees by vehicle, operate and spend prolonged periods in watercraft, and wade into aquatic environments for the purpose of sample collection.

EQUIPMENT LIST

Equipment	**Supply**	**Condition**
Fleet Vehicles	10+	Great
Trimble Unit	1 owned, additional available for rent	Great
YSI Meters	2 owned, additional available for rent	Great
Coolers	10+	Great
Sampling Equipment	3 each: bailers, buckets, dip cups	Great
Filtration Devices	Minimum of 10 in stock, restocked as needed	New
Portable Power Supply	2 owned, additional available for rent	Great
Peristaltic Pump	2 owned, additional available for rent	Great
Submersible Pump	1 owned, additional available for rent	Great
Turbidity Meter	2 owned, additional available for rent	Great
Calibration Standards	Minimum of 2 in stock, restocked as needed	New
Tubing	Minimum of 500 ft in stock, restocked as needed	New
Field Measurement Equipment	3 each: distance wheels, measuring tapes, etc.	Great
PPE	Sufficient supply for each staff member	Great
DI Water	Provided by lab prior to each sample event	N/A
Boat	Will be rented or purchased depending on pricing	N/A

QA/QC METHODS AND QUALITY ASSURANCE MANUAL SUMMARY

The PSI Quality Assurance (QA) program involves the implementation of a management system (planning, review, training, and assessment) to ensure that data collection, generation, interpretation, reporting, evaluation and archiving are of sufficient quality to support Company decisions. The effectiveness of our QA program is dependent upon the actions of all PSI staff, from “front line” employees to management, meaning QA is a function distributed throughout our organization. One aspect of our program is to ensure that PSI QA activities are carried out according to commitments made to the City of Key West as enumerated in this PSI Quality Assurance Plan (QAP).

The PSI team is committed to the implementation of the quality assurance requirements as specified by Section 403.0623, F.S., and Chapter 62-160, F.A.C. (the FDEP QA Rule). In order to execute the components of the PSI QA Directive, the Florida Operations Team of PSI has developed a quality system. This document describes the steps we take to ensure the scientific and legal defensibility of environmental data we generate or use. It details the process of planning, training, execution, assessment, and corrective actions we undertake to ensure that environmental data meets our established quality criteria.

Policy & Ethics:

- Use scientifically valid, legally defensible methods based on FDEP, EPA, and NELAC guidelines to ensure consistency across all sampling and laboratory procedures.
- All field and lab personnel are required to sign annual ethics statements affirming their commitment to integrity and responsible conduct in scientific data collection and reporting.
- Annual ethics training sessions reinforce expectations for accuracy, honesty, and professional conduct, and any conflicts of interest are disclosed prior to project engagement.
- Quality Assurance practices are embedded in every phase of operations including planning, site selection, sampling, documentation, analysis, data interpretation, and final reporting.
- QA policies are periodically reviewed and updated to align with changes in federal/state requirements and technological advances.

Organization & Roles:

- **Regional VP:** Provides strategic oversight of QA compliance and allocates appropriate personnel and financial resources to support QA activities.
- **QA Officer (QAO):** Oversees all QA/QC operations including internal audits, resolution of QA findings, field/lab team coordination, and continuous improvement reviews.
- **Department Managers:** Ensure daily implementation of SOPs in the field and lab, address technical deviations, and assist with corrective action planning.
- **Field/Lab Staff:** Responsible for following SOPs meticulously, maintaining real-time logs and calibration records, performing basic QA/QC checks, and participating in mock audits and QA exercises.
- Communication among roles is maintained through monthly QA coordination meetings and a centralized project management system.

Training & Competency:

- Mandatory FDEP SOP training (post2014) and OSHA 40hr HAZWOPER certification are required for all field staff prior to independent work.
- In addition, PSI requires at least five supervised field events under a qualified team lead to assess technical proficiency before authorizing solo assignments.
- Field staff must complete annual refresher courses that include classroom modules, field simulations, and peer evaluations.
- A live training matrix tracks certification status, skill assessments, and upcoming training deadlines for all personnel.
- Key staff participate in quarterly QA briefings that introduce updates in technology, SOPs, and regulatory criteria.

SOPs & Field Procedures:

- Adhere to FDEP SOPs FS2200/FS3000 (sampling), FT1000–FT2400 (field measurements), and FC1000 (equipment decontamination), ensuring compliance across all water quality assessments.
- SOPs are housed in a version-controlled manual, updated at least annually, and distributed to all team members upon revision.
- A centralized SOP dashboard ensures that team members are working from the most recent version and includes tracked changes for audit transparency.

- SOPs also contain emergency contingency protocols for field conditions such as inclement weather, inaccessible sites, or equipment malfunction.

Sampling & QA/QC Design:

- Sampling strategies incorporate a stratified design to ensure representativeness across recreational beaches, harbors, mangroves, and high-risk pollution sources.
- Source tracking is employed in hotspot areas to pinpoint contamination sources, particularly following rain events.
- Each sampling round includes QA/QC samples such as 10% field blanks, 10% duplicates, and trip blanks where applicable for volatile analytes.
- Calibration logs, GPS-referenced photo logs, and real-time chain-of-custody verification are standard for each field visit.
- All QA/QC data are reviewed by the QAO prior to reporting and archived for quality trend analysis.

Equipment Management:

- All field and lab equipment is barcoded and tracked through a cloud-based calibration management system.
- Instruments undergo quarterly inter-instrument comparisons to assess accuracy and drift.
- External calibrations are conducted in accordance with FDEP SOP FT1007, and calibration certificates are filed digitally and hardcopy for field access.
- Equipment maintenance logs document cleaning, part replacement, software updates, and calibration standard traceability.

Sample Handling & Custody:

- Samples are labeled with unique QR codes linked to a GPS and timestamp log, and logged into the chain-of-custody (COC) forms at collection.
- Transport coolers include digital temperature loggers to ensure continuous monitoring.
- Tamper-evident seals are applied to sample containers and coolers for added custody security.
- Field supervisors perform random audits of sample documentation, packaging, and custody forms to ensure protocol compliance.

Laboratory QA/QC:

- Samples are submitted only to NELAC-accredited laboratories employing EPA-approved methods such as SM 9223 (microbiology) and EPA 6020A (metals).
- Each lab batch must include method blanks, lab control samples (LCS), matrix spikes (MS/MSD), and duplicates to verify method integrity.
- Calibration curve performance, instrument detection limits, and analytical holding times are reviewed as part of data acceptance.
- Labs notify the QAO within 24 hours of any QC deviation and provide no-cost reanalysis where appropriate.

Data Management & Review:

- All data are uploaded to a secure cloud platform with user-based access controls, version tracking, and change audit trails.
- Automated scripts screen for outliers, missing values, range violations, and date-time anomalies prior to analyst review.
- Dual-entry verification and cross-validation between lab and field entries ensure consistency.
- All original data records (field notes, lab reports, photos) are archived for a minimum of seven years in searchable, backed-up repositories.

Reporting & Improvement:

- Weekly QA summaries document field conditions, calibration checks, and procedural deviations.
- Full QA-reviewed data packages are submitted quarterly, including narrative interpretation and compliance status.

- Corrective actions are logged, tracked, and linked to root cause analysis; periodic QA trend analysis is conducted to support adaptive project design.
- Biennial third-party QA audits are used to evaluate system performance, and benchmarking against similar programs guides process improvements.

(A full copy of PSI QA Manual is available upon request.)

SUBCONTRACTOR DOCUMENTATION

State of Florida
Department of State

I certify from the records of this office that DIVERSIFIED PROFESSIONAL SERVICES CORP. is a corporation organized under the laws of the State of Florida, filed on February 12, 2007.

The document number of this corporation is P07000019265.

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 January 8, 2025, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eighth day of January, 2025

Secretary of State

Tracking Number: 6340623022CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

State of Florida
Department of State

I certify from the records of this office that WD ENVIRONMENTAL SERVICES INC is a corporation organized under the laws of the State of Florida, filed on May 13, 2010, effective May 14, 2010.

The document number of this corporation is P10000041544.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on January 11, 2024, and that its status is active.

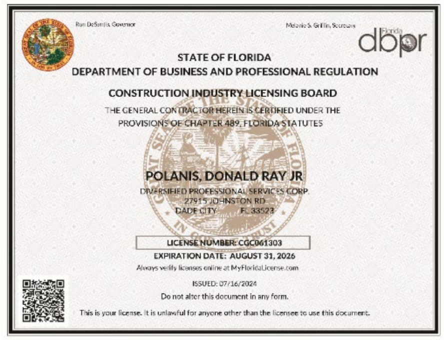
I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Eighteenth day of February, 2025

Secretary of State

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication



Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

POLANIS, DONALD RAY JR
DIVERSIFIED PROFESSIONAL SERVICES CORP.
27915 JOHNSTON RD
DADE CITY FL 33523

LICENSE NUMBER: CGC061303
EXPIRATION DATE: AUGUST 31, 2026
Always verify licenses online at MyFloridaLicense.com

ISSUED: 07/16/2024
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Ron DeSantis, Governor
Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE BUILDING CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

TROTT, HIRAM IAN
WD ENVIRONMENTAL SERVICES INC
1013 BRIARWOOD DRIVE
WAUCHULA FL 33873

LICENSE NUMBER: CBC1264031
EXPIRATION DATE: AUGUST 31, 2026
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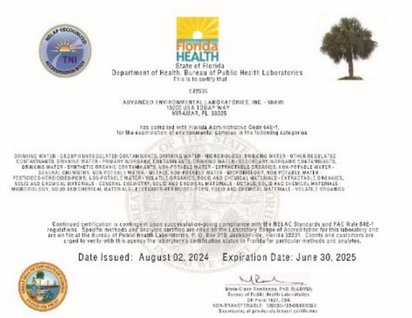


Florida HEALTH
State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E82535

ADVANCED ENVIRONMENTAL LABORATORIES, INC. - MIAMI
10200 USA TODAY WAY
MIRAMAR, FL 33025

has complied with Florida Administrative Code 64E-1, for the examination of environmental samples in the following categories

DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - MICROBIOLOGY, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, 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

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: August 02, 2024 Expiration Date: June 30, 2025

Marie-Claire Rowlinson, PhD, D(ABMM)
Bureau of Public Health Laboratories
NON-TRANSFERABLE
Supersedes all previously issued certificates

Florida HEALTH
State of Florida
Department of Health, Bureau of Public Health Laboratories
This is to certify that

E55634

EUROFINS FLORIDA KEYS
3980 OVERSEAS HIGHWAY SUITE 103
MARATHON, FL 33050

has complied with Florida Administrative Code 64E-1, for the examination of environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - 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
NON-TRANSFERABLE
Supersedes all previously issued certificates

Tab 5. Other Information/Value Added Options/Contract Deviations/Other Clients/Local Familiarity

Tab 5. Other Information/Value Added Options/Contract Deviations/ Other Clients/Local Familiarity

PSI provides Value Engineering services in the specific disciplines we provide our clients. Whether environmental services, geotechnical engineering or construction materials testing we always maintain an awareness of providing cost effective services along with applying our expertise for the benefit of helping clients manage their costs. Our Project Managers recognize that performing efficiently is essential, but we go one step further in giving our clients value added direction in terms of recommending plan revisions, modifications to protocols or other changes which help to reduce costs.

For large design build projects, Construction Managers rely on PSI to review plans, evaluate alternatives and developing engineering cost estimates and work with client project managers to identify design changes which can reduce costs/improve efficiency without compromising project budgets, schedules or safety.

As an example, PSI in conducting work for the South Florida Water Management District has conducted extensive environmental assessments which highlight the need to remove copper contaminated soils from large impoundments designed to function as part of the Everglades Restoration Project. Past practice had been to remove as much as one foot of contaminated soil from identified areas at costs which can range in the millions of dollars for each project. PSI's engineers reviewed the approach, conducted additional research to identify the location and concentrations of these contaminants and conducted a pilot test of a revised soil handling methodology. PSI then approached the client, client's other engineers and others with results of the pilot test indicating that only 25% of the original soil volume needed to be removed followed by other less expensive tasks such that the final results were protective of the environment and represent a cost savings to the client of over 50%.

Tab 6. Cost Effectiveness

COST BREAKDOWN AND SCOPE OF SERVICES

This cost summary outlines the scope and estimated budget associated with various engineering, field, and reporting tasks. All estimates are based on current project assumptions and are subject to adjustment pending changes in scope or client-selected options. PSI will not proceed with additional services without prior written authorization from the client.

TASK 1 – DATA MANAGEMENT, ANALYTICAL DESIGN, AND PRELIMINARY REPORTING

This task encompasses initial engineering activities, including comprehensive data wrangling, quality assurance of environmental datasets, and preliminary analysis for identifying spatial and temporal patterns. It also includes the development of an initial water quality sampling design tailored to site-specific conditions, along with the preparation of a technical summary report to inform subsequent tasks.

Estimated Cost: $11,938.00

TASK 2 – SITE ASSESSMENT AND MITIGATION OPTION REPORTING

Task 2 involves on-site evaluations conducted by project management personnel to assess current site conditions relevant to potential mitigation efforts. This phase includes engineering documentation to present feasible mitigation strategies based on field observations.

Note: This estimate includes fees for site visits and reporting only. Final costs will vary depending on the mitigation measures selected, which will involve coordination with subcontractors for implementation.

Preliminary Estimate: $6,316.00 (dependent on selected mitigation approach)

TASK 3 – ENVIRONMENTAL SAMPLING, LABORATORY ANALYSIS, AND PERIODIC REPORTING

This task includes a total of 12 days of fieldwork conducted by a two-person team (Staff Scientist and Field Technician) to perform comprehensive environmental sampling. All samples will be processed and submitted to two NELAC-accredited laboratories for analytical testing in accordance with project specifications. In parallel, engineering staff will compile weekly and monthly summary reports detailing findings and ongoing trends.

Monthly Estimate: $39,250.50

Additionally, enhanced microbial/bacterial monitoring events will be executed upon request. Each event includes field mobilization, sample collection, expedited lab analysis, and follow-up reporting.

Enhanced Microbial/Bacterial Monitoring Estimate (per event): $6,423.50

TASK 4 – REPORTING OPTIMIZATION AND WORKFLOW ENGINEERING

This task includes one-time engineering services aimed at optimizing the structure, consistency, and accessibility of technical reporting deliverables. The effort is intended to enhance data transparency and improve overall information availability across project stakeholders.

Estimated Cost: $2,091.00

TASK 5 – COMMUNITY ENGAGEMENT AND IMPLEMENTATION SUPPORT

This task entails one-time field and engineering activities focused on promoting public awareness and increasing community participation in the project. Deliverables include outreach material development, on-site demonstrations, and integration of stakeholder feedback.

Note: The cost may be supplemented with additional charges for outreach materials and labor associated with the implementation of the community engagement plan.

Preliminary Estimate: $3,600.00 (dependent on selected approach)

TASK 6 – CONCEPTUAL DESIGN DEVELOPMENT

This task includes one-time engineering efforts to develop conceptual designs, schematics, or technical diagrams that may be used to guide future restoration or mitigation measures.

Estimated Cost: $4,826.00

Any additional tasks or services beyond those outlined above will be proposed separately, with detailed cost estimates provided in advance. PSI will not perform work outside the current scope without prior written approval from the client. If changes in the scope arise due to unforeseen conditions or external factors beyond PSI's control, PSI will notify the client and issue a formal change order for review and approval before proceeding.

Preliminary Project Cost Estimate: $506,200.50

Note: This total is subject to adjustment based on final scope and material/labor requirements associated with Tasks 2 and 5.

SCHEDULE AND DELIVERABLES BREAKDOWN

This schedule outlines the anticipated duration and key deliverables associated with each project task. All timeframes are based on current assumptions and may be revised pending changes in project scope or client directives. PSI will not initiate additional services outside the defined scope without prior written approval from the client.

TASK 1 – DATA MANAGEMENT, ANALYTICAL DESIGN, AND PRELIMINARY REPORTING

This phase involves initial engineering tasks, including data wrangling, quality assurance/quality control (QA/QC) of existing environmental datasets, and preliminary analyses to characterize spatial and temporal water quality trends. A custom sampling design will be developed based on site-specific considerations. Deliverables include a preliminary technical summary report to guide field implementation. **Estimated Duration:** 3 weeks.

TASK 2 – SITE ASSESSMENT AND MITIGATION OPTION REPORTING

Task 2 consists of targeted site visits by senior project personnel to evaluate current site conditions and identify potential mitigation pathways. The visits will be followed by technical documentation summarizing actionable options based on observed conditions. **Estimated Duration:** 1 week.

Note: Schedule is contingent on mitigation strategies selected; implementation timelines may extend based on subcontractor availability.

TASK 3 – ENVIRONMENTAL SAMPLING, LABORATORY ANALYSIS, AND PERIODIC REPORTING

This task includes 12 full days of field sampling led by a two-person team. Collected samples will be submitted to two NELAC-accredited laboratories for analysis. Given the laboratory turnaround time of 1–2 weeks for concentration results, reporting will follow a structured cadence: Bacterial Monitoring Events will be treated as high-priority and reported on a weekly basis, with sample collection and field reporting completed within 4 business days of each request. Monthly Reporting will be generated on a rolling one-month lag, allowing for lab processing time and QA/QC verification. **Estimated Duration:** Routine Field Sampling – 12 days per month; Bacterial Event Sampling – 2 days per event (as requested).

TASK 4 – REPORTING OPTIMIZATION AND WORKFLOW ENGINEERING

This one-time task focuses on enhancing the reporting infrastructure by improving formatting, data integration, and visualization workflows. The goal is to streamline deliverables for improved accessibility and stakeholder communication. **Estimated Duration:** 1 week.

TASK 5 – COMMUNITY ENGAGEMENT AND IMPLEMENTATION SUPPORT

This task includes field-based outreach activities and engineering support designed to foster community awareness and participation. Deliverables may include presentations, handouts, demonstrations, and documentation incorporating stakeholder feedback. **Estimated Duration:** 1 week.

Note: Timeline may be extended based on material production needs and labor requirements.

TASK 6 – CONCEPTUAL DESIGN DEVELOPMENT

This phase includes engineering work to create conceptual site designs, schematic layouts, and technical diagrams to support planning and future mitigation or restoration actions. **Estimated Duration:** 2 weeks.

OVERALL PROJECT SCHEDULE

Preliminary Project Timeline: 12 months

Reporting Cadence: Bacterial Event Reports – Weekly (within 4 business days of sampling); Monthly Summary Reports – Delivered on a one-month lag following lab result availability.

ADDITIONAL SERVICES

Any supplemental tasks beyond the current scope will be proposed with associated schedules and pricing. PSI will issue formal change orders and will not proceed with additional work until written approval is received.

Tab 8. Litigation

LITIGATION STATEMENT

From time to time, Professional Service Industries, Inc. has been involved in legal or administrative proceedings as a plaintiff or defendant. As a nationwide company of approximately 1,900 employees, we do not maintain a comprehensive historical listing of claims.

With annual fees exceeding $250 million and assets exceeding $300 million, no claim, individually or collectively, could adversely affect your project.

Neither PSI, nor any entity previously owned, operated or directed by any of its officers, owners, partners, major shareholders or directors, ever initiated litigation against the City or been sued by the City in connection with a contract to provide services, goods or construction services.

CUSTOMER REFERENCES

Absopure Water Co.
PO Box 701760
Plymouth, MI 48170
(800) 422-7678

Dr. Edward J Walter & Associates
9261 Ravenna Road, B-5
Twinsburg, OH 44087
(330) 963-0540

Republic Services
PO Box 78829
Phoenix, AZ 85062
(713) 849-0400

CMEC
2779 Apopka Blvd., Ste 1
Apopka, FL 32703
(407) 628-3682

Central Florida Heating & Air
PO Box 849
Sorrento, FL 32776
(407) 862-7788

GeoSearches Inc.
PO Box 37
Chagrin Falls, OH 44022
(440) 893-0642

FINANCIAL STATEMENT

Professional Service Industries, Inc. (PSI) is a subsidiary of Intertek Group, PLC. (Intertek), ultimate parent company. Intertek is a publicly traded company listed on the London stock exchange, traded under the symbol ITRK. Intertek's publicly available financial information is available here: https://www.intertek.com/investors/. Due to the size of the files, copies of Intertek's Financial Statements are available upon request.

US Securities regulations prohibit PSI from providing any additional material non-public financial information.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)

: SS

COUNTY OF MIAMI-DADE)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: Professional Service Industries, Inc.

Sworn and subscribed before me this 16th day of April 2025.

NOTARY PUBLIC, State of Florida at Large

CRUZ M FERNANDEZ
Notary Public - State of Florida
Commission # HH 137816
My Comm. Expires Jun 4, 2025
Bonded through National Notary Assn.

My Commission Expires: June 4, 2025

SWORN STATEMENT UNDER SECTION 287.133(3)(A) FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid or Proposal for City of Key West

for Water Quality Monitoring Program

2. This sworn statement is submitted by Professional Service Industries, Inc.
(name of entity submitting sworn statement)
whose business address is 7950 NW 64th Street, Miami, FL 33166

and (if applicable) its Federal Employer Identification Number (FEIN) is 37-0962090

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement

3. My name is John Emerson
(please print name of individual signing)

and my relationship to the entity named above is Environmental Department Manager

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any bid or contract for goods or services to be provided to any public or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

   1. A predecessor or successor of a person convicted of a public entity crime; or

   2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies).

   ✓ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

   _____ There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

   _____ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or

affiliate from the convicted vendor list. (Please attach a copy of the final order.)

_____The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

(signature)

April 16, 2025

(date)

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

John Emerson who, after first being sworn by me, affixed his/her
(name of individual signing)

signature in the space provided above on this 16th day of April, 2025.

My commission expires: June 4, 2025

NOTARY PUBLIC

CRUZ M FERNANDEZ
Notary Public - State of Florida
Commission # HH 137816
My Comm. Expires Jun 4, 2025
Bonded through National Notary Assn.

CITY OF KEY WEST INDEMNIFICATION FORM

To the fullest extent permitted by law, the Consultant expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents and employees *(herein called the "indemnitees") from liabilities, damages, losses and costs, including but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Consultant, its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of Consultant's insurance or $1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Consultant under Workers' Compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the Consultant or of any third party to whom Consultant may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

CONSULTANT: 7950 NW 64th Street, Miami, FL 33166
Address

SEAL:

Signature

John Emerson
Print Name

Environmental Department Manager
Title

DATE: April 16, 2025

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF FLORIDA)

: SS

COUNTY OF MIAMI-DADE)

I, the undersigned hereby duly sworn, depose and say that the firm of Professional Service Industries, Inc. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses, per City of Key West Code of Ordinances Sec. 2-799.

By: John Emerson, Environmental Department Manager

Sworn and subscribed before me this 16th day of April 20 25.

NOTARY PUBLIC, State of Florida at Large

CRUZ M FERNANDEZ
Notary Public - State of Florida
Commission # HH 137816
My Comm. Expires Jun 4, 2025
Bonded through National Notary Assn.

My Commission Expires: June 4, 2025

CONE OF SILENCE AFFIDAVIT

STATE OF FLORIDA)

: SS

COUNTY OF MIAMI-DADE)

I, the undersigned hereby duly sworn, depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Professional Service Industries, Inc. have read and understand the limitations and procedures regarding communications concerning City of Key West Code of Ordinances Sec. 2-773 Cone of Silence.

By: John Emerson, Environmental Department Manager

Sworn and subscribed before me this

16th day of April 2025.

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: June 4, 2025

CRUZ M FERNANDEZ
Notary Public - State of Florida
Commission # HH 137816
My Comm. Expires Jun 4, 2025
Bonded through National Notary Assn.

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA)

:

SS COUNTY OF MIAMI-DADE)

I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: _____

Sworn and subscribed before me this

16th day of April, 2025.

_____

NOTARY PUBLIC, State of Florida at Large

CRUZ M FERNANDEZ
Notary Public - State of Florida
Commission # HH 137816
My Comm. Expires Jun 4, 2025
Bonded through National Notary Assn.

My Commission Expires: June 4, 2025

THE CITY OF KEY WEST E-VERIFY AFFIDAVIT

Beginning January 1, 2021, Florida law requires all contractors doing business with The City of Key West to register with and use the E-Verify System in order to verify the work authorization status of all newly hired employees. The City of Key West requires all vendors who are awarded contracts with the City to verify employee eligibility using the E-Verify System. As before, vendors are also required to maintain all I-9 Forms of their employees for the duration of the contract term. To enroll in the E-Verify System, vendors should visit the E-Verify Website located at www.e-verify.gov.

In accordance with Florida Statute § 448.095, **it is the responsibility of the Awarded Vendor to ensure compliance with all applicable E-Verify requirements.**

By executing this affidavit, the undersigned contractor verifies it compliance with Florida Statute § 448.095, stating affirmatively that the individual, firm, or corporation which is engaged in the performance of services on behalf of the City of Key West, has registered with, is authorized to use, and uses the U.S. Department of Homeland Security's E-Verify system.

Furthermore, the undersigned contractor agrees that it will continue to use E-Verify throughout the contract period, and should it employ or contract with any subcontractor(s) in connection with the performance of services pursuant to this Agreement with The City of Key West, contractor will secure from such subcontractor(s) similar verification of compliance with Florida Statute § 448.095, by requiring the subcontractor(s) to provide an affidavit attesting that the subcontractor does not employ, or subcontract with, an unauthorized alien. Contractor further agrees to maintain records of such compliance during the duration of the Agreement and provide a copy of each such verification to The City of Key West within five (5) business days of receipt.

Failure to comply with this provision is a material breach of the Agreement and shall result in immediate termination of the Agreement without penalty to the City of Key West. Contractor shall be liable for all costs incurred by the City of Key West to secure replacement Agreement, including but not limited to, any increased costs for the same services, and costs due to delay, and rebidding costs, if applicable.

April 16, 2025
Date

(Signature of Authorized Representative)

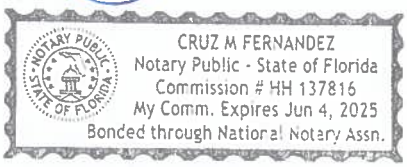
State of FLORIDA,
County of MIAMI-DADE,

Personally Appeared Before Me, the undersigned authority, John Emerson who, ☑ being personally know or ☐ having produced his/her signature in the space provided above on this 16th day of April, 2025.

Signature, Notary Public

June 4, 2025
Commission Expires

Stamp/Seal:



AFFIDAVIT ATTESTING TO NONCOERCIVE CONDUCT FOR LABOR OR SERVICES

Entity/Vendor Name: Professional Service Industries, Inc.
Vendor FEIN: 37-0962090
Vendor's Authorized Representative: John Emerson, Environmental Department Manager
(Name and Title)
Address: 7950 NW 64th Street
City: Miami State: Florida Zip: 33166
Phone Number: (305) 471-7725
Email Address: john.emerson@intertek.com

As a nongovernmental entity executing, renewing, or extending a contract with a government entity, Vendor is required to provide an affidavit under penalty of perjury attesting that Vendor does not use coercion for labor or services in accordance with Section 787.06, Florida Statutes.

As defined in Section 787.06(2)(a), coercion means:

1. Using or threating to use physical force against any person;
2. Restraining, isolating, or confining or threating to restrain, isolate, or confine any person without lawful authority and against her or his will;
3. Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or service are not respectively limited and defined;
4. Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
5. Causing or threating to cause financial harm to any person;
6. Enticing or luring any person by fraud or deceit; or
7. Providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03 to any person for the purpose of exploitation of that person.

As a person authorized to sign on behalf of Vendor, I certify under penalties of perjury that Vendor does not use coercion for labor or services in accordance with Section 787.06. Additionally, Vendor has reviewed Section 787.06, Florida Statutes, and agrees to abide by same.

Certified By: John Emerson, who is authorized to sign on behalf of the above referenced company.

Authorized Signature:
Print Name: John Emerson
Title: Environmental Department Manager

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: Professional Service Industries, Inc.

Vendor FEIN: 37-0962090

Vendor's Authorized Representative Name and Title: John Emerson, Environmental Department Manager

Address: 7950 NW 64th Street

City: Miami State: Florida Zip: 33166

Phone Number: (305) 471-7725

Email Address: john.emerson@intertek.com

Section 287.135(2)(a), Florida Statutes, prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services of any amount if, at the time of contracting or renewal, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to section 215.4725, Florida Statutes, or is engaged in a boycott of Israel. Section 287.135(2)(b), Florida Statutes, further prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services over one million dollars ($1,000,000) if, at the time of contracting or renewal, the company is on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, both created pursuant to section 215.473, Florida Statutes, or the company is engaged in business operations in Cuba or Syria.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject such company to civil penalties, attorney's fees, and/or costs and termination of the contract at the option of the awarding governmental entity.

Certified By: John Emerson, Environmental Department Manager,

Print Name *Print Title*

who is authorized to sign on behalf of the above referenced company.

Authorized Signature: .

END OF SECTION 4

ADDENDUM NO. 1

Water Quality Monitoring Program

RFP 25-004

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**

   1) Can you confirm that all analyses do need to be from a NELAC certified lab, including bacteria analyses?

   1) Yes, the City requires that all analyzes be completed by a NELAC certified lab. If the applicant is not NELAC certified, it will need to identify a subcontractor that it will be sending the samples to.

5. **Additional Resources:** [No Changes]

_____ Professional Service Industries, Inc.

Signature Name of Business

ADDENDUM NO. 2
Water Quality Monitoring Program
RFP 25-004

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**

   1) Is the water quality sampling of the Geographic Areas of Concern (discussed in 3.2, item A of the RFP) to be included within this Proposal, or will that be implemented after the water quality monitoring plan (Task 3) is finalized?

   1) Correct, actual water quality monitoring work for under Section A) Geographic Areas of Concern, would not kick off until after Task 3 was complete, and a monitoring program had been designed and approved.

   However, specifically for Section B) Beach Monitoring, there would be water quality monitoring for Task 4.

5. **Additional Resources:** [No Changes]

_____ _Professional Service Industries, Inc._
Signature Name of Business

ADDENDUM NO. 3

Water Quality Monitoring Program

RFP 25-004

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**

1. 1) Will the water quality data to be analyzed as part of Task 1 be provided to the selected firm, or will the firm be responsible for extracting data from public resources?

   Answer: Both. The City does have some data from our marinas and stormwater outfalls. However, most water quality work has been done by other entities.

2. If the City of Key West does provide the water quality data, what format is being used for that data?

   Answer: The data for the marinas and stormwater outfalls are in excel spreadsheets

5. **Additional Resources:** [No Changes]

_____ Professional Service Industries, Inc.

Signature Name of Business

ADDENDUM NO. 4

Water Quality Monitoring Program

RFP 25-004

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**

   1) Should the bi-weekly beach sampling (Fort Zachary Taylor State Park, Smathers Beach, Higgs Beach, South Beach) be scoped to occur for the duration of 1 year contract period?

   1: Yes, a full year should be scoped. Please present the cost in the narrative as a lump sum and per sample cost.

5. **Additional Resources:** [No Changes]

_____ _Professional Service Industries, Inc._

Signature Name of Business

PSI's **Main Office** is located at **545 E. Algonquin Road, Arlington Heights, IL 60005**. Services shall be provided by our **Miami Branch Office** whose address is **7950 NW 64th Street, Miami, FL 33166**, with additional support provided, as needed, by our 9 other offices located throughout Florida.

GEOTECHNICAL ENGINEERING

CONSTRUCTION MATERIALS TESTING & INSPECTION

NONDESTRUCTIVE EXAMINATION

ENVIRONMENTAL CONSULTING

INDUSTRIAL HYGIENE SERVICES

BUILDING SCIENCE SOLUTIONS

SPECIALTY ENGINEERING & TESTING SERVICES

TOTAL QUALITY. ASSURED.

Intertek Total Quality Assurance is delivered consistently with precision, pace, and passion, enabling our customers to power ahead safely.