

July 31, 2012

City Clerk
City of Key West, Florida
3126 Flagler Avenue
Key West, Florida 33040

**Re: RFQ No. 12-005: General Engineering Services
Environmental Engineering**

To Whom it May Concern:

Langan Engineering & Environmental Services is pleased to submit our response to Request for Qualifications #12-005 (RFP) for General Engineering Services to the City of Key West Florida. Langan would like to be considered for the Environmental Engineering portion of the contract.

The Miami Lakes office, founded in 1974, currently employs a staff of over 20 professionals, providing geotechnical, environmental and civil engineering services to the South Florida and Caribbean region to public agencies and private organizations throughout the region.

To ensure that we can respond to all of the county's needs under this contract, we have assembled a team of professionals with expertise in environmental engineering-related services.

We look forward to assisting the City of Key West with any upcoming projects.

Sincerely,

Langan Engineering & Environmental Services



Vincent D. Yarina, P.E., CEM
Senior Associate/Vice President

DS:vdy

Enclosure: Response to RFQ

LANGAN

ENGINEERING & ENVIRONMENTAL SERVICES

Qualifications for:

General Engineering Services – Environmental Engineering

Submitted to:

City of Key West, RFQ #12-005



August 1, 2012

Site/Civil

Geotechnical

Environmental

Earthquake/Seismic

Surveying/Mapping

Traffic/Transportation

Landscape Architecture + Planning

Natural Resources/Permitting

Sustainable Design

40¹⁹⁷⁰⁻²⁰¹⁰ Years of
Excellence

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Company Profile

FIRM HISTORY AND PROFILE

Langan Engineering and Environmental Services (Langan), a professional consulting firm headquartered in New Jersey, was founded in 1970 as a geotechnical engineering firm. Today, after 42 years in the business, the firm employs nearly 600 employees in 15 offices in the United States and 5 offices abroad offering multi-disciplinary services – environmental engineering, site/civil engineering, geotechnical engineering, natural resources/permitting, transportation engineering, surveying/mapping, GIS/data management, and sustainable design.

The Miami Lakes office, founded in 1974, currently employs a staff of 25 professionals, providing environmental, geotechnical, and civil engineering services. Our public-agency clients include:

- The Monroe County Solid Waste Management Division;
- The Miami-Dade Department of Regulatory and Economic Resources;
- The Miami-Dade Aviation Department;
- The City of Homestead;
- The City of Miami Beach;
- The City of Miami;
- The City of Pompano Beach;
- The Florida Department of Environmental Protection – South, Southwest, and Southeast Districts; and
- The South Florida Water Management District.

Our private-sector clients include:

- Avis-Budget Group, Inc.;
- Ryder Transportation Services;
- Turnberry Associates;
- Prudential Real Estate Investments;
- Key Largo Ocean Reef Club;
- Florida Marlins, LP;
- The Miami Dolphins; and
- Rialto Capital.

Langan has been involved in some of the largest and most recognizable projects in South Florida, including the Fontainebleau redevelopment, Westin Diplomat Hotel and Convention Center, Banco Santander Tower, The Promenade at Coconut Creek, MET Miami Development, the Blue and Green Diamond towers, The Continuum on South Beach, American Airlines Arena, Miami Marlins Stadium, Sun Life Stadium, Four Seasons Hotel tower, and various facilities at the University of Miami. Our involvement in such projects testifies to our technical capabilities on high-profile projects.

Across Florida we have provided environmental engineering services similar to those requested by the City of Key West (the City). Langan has full-service environmental engineering capabilities, including environmental site assessments, site-wide hydrogeological characterizations, soil and groundwater remediation system design, regulatory advocacy and support, environmental permitting and compliance, project and contractor management, and asbestos, lead paint, and mold assessment and remediation oversight.

We pride ourselves on solving challenging technical and regulatory problems in a manner that is protective of the environment and is acceptable to the regulatory agencies, while maintaining a focus on cost and practical solutions. Our project approach will incorporate these skills to assist the City.

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Vincent D. Yarina, P.G., CEM

Senior Associate / Vice President
Environmental Assessment, Water Resource Management



20 years in the industry ~ 14 years with Langan

Mr. Yarina has 20 years of environmental and geological engineering experience in Florida, Nevada, California, the northeast United States, and abroad. Mr. Yarina is a Senior Associate in the Miami office and leads Langan's environmental practice in Florida with a national client base that includes Fortune 500 companies, financial institutions and institutional investors. Mr. Yarina has worked with the Florida Department of Environmental Protection's (FDEP) Bureau of Waste Cleanup, the Nevada Division of Environmental Protection (NDEP) Bureau of Corrective Actions, and the California Regional Water Quality Control Board Los Angeles (RWQCB) on projects ranging from tank closures to site assessments to remedial actions. Additionally, Mr. Yarina served as Langan's contract manager for the South Florida Water Management District (SFWMD) in its land acquisition program for the Comprehensive Everglades Restoration Plan (CERP).

Mr. Yarina's environmental consulting experience includes performing numerous Phase I and Phase II Environmental Site Assessments and groundwater impact studies, development of remedial investigation plans, implementation of remedial plans, well and boring installation, groundwater and soil sampling, construction dewatering, regulatory permitting, and performing and analyzing aquifer pump test data using MODFLOW and other computer modeling software.

Mr. Yarina has presented on the subject of Phase I ESAs, All Appropriate Inquiry, and environmental due diligence to the Florida Chamber of Commerce's Semi-Annual Environmental Permitting Conferences and Florida Brownfield Association's Annual Conference, Environmental Bankers Association and RTM.

Selected Projects

Ric-Man Construction v. Lopefra Corp., Miami, FL. Mr. Yarina served as an expert witness in a law suit regarding the disposal of arsenic-contaminated at a facility. The law suit involved a contract dispute whereby Lopefra refused to allow Ric-Man to dispose of arsenic-contaminated wastes at their facility in breach of their agreement. Mr. Yarina represented the defendant, Lopefra, in this matter and conducted technical research and prepared for trial. The case was eventually settled prior to going to trial.

Oceanside, Pompano Beach, FL – Mr. Yarina managed all environmental assessment and remediation activities associated with the redevelopment of multiple parcels of land in along East Atlantic Blvd and SR A-1-A. The parcels were previously occupied by shopping centers, a service station and an apartment building. The environmental activities include performing a Phase I Environmental Site Assessment (ESA), a Phase II ESA that consisted of installing numerous soil borings and monitoring wells at various

Education

M.Sc., Engineering Geology, 1998
Drexel University

B.S., Earth Science (Geology), 1992,
Pennsylvania State University

Professional Registration

Registered Professional Geologist in
Pennsylvania (PG-03260-E) and Florida
(PG0002077)

Certified Environmental Manager in
Nevada (CEM No. 2104)

40-hour OSHA Health and Safety
Training Certificate

INSTEP Licensed Environmental
Professional (LEP No. 73)

Vincent Yarina, P.G., CEM

areas of environmental concern. The Phase II ESA provided the developer the information necessary to make an informed decision on the purchase of the properties.

Following the property transaction, Mr. Yarina also completed a complete Site Assessment of the petroleum contamination associated with a former service station, as well as a cleanup of the contamination. Langan monitored groundwater quality for two years, at which time Broward County granted no further action. Mr. Yarina also provided dewatering consultation during construction and developed a plan that demonstrated that dewatering on a nearby property would not cause contaminated ground water to migrate into that excavation. Broward County approved the plan, which allowed the developer to proceed with construction without the additional cost of environmental oversight.

Little River Preserve, Miami, FL – Mr. Yarina provided expert testimony to the City of Miami Commission to facilitate a zoning change for a potential Brownfield site in the Little Haiti section of Miami. The site was a former nursery that was impacted with chlorinated pesticides and metals in both soil and groundwater. The site was proposed to be converted into multi-family residential. Mr. Yarina's testimony addressed the potential environmental concerns of the contamination on the property and future use. Mr. Yarina's testimony helped the Commission decide to approve the zoning change and allow the project to move forward.

Fontainebleau II, Miami Beach, FL – The project consisted of performing Phase I and Phase II ESAs for the hotel expansion area. The expansion area included portions of the existing hotel, an active right-of-way, and a vacant lot that former contained two hotels. The Phase I ESA identified areas of potential concern that included the presence of USTs located on the vacant lot. In addition, Mr. Yarina supervised a Tank Closure, performed in accordance with FDEP requirements, for an UST that was discovered on the vacant lot. As site assessment was performed on the property to delineate soil and groundwater impacts, Mr. Yarina developed and supervised the scope of work.

Fontainebleau Resort, Miami Beach, FL – Mr. Yarina was project manager for environmental due diligence, groundwater remediation and asbestos and mold abatements associated with the Fontainebleau Resort which is undergoing a major renovation. During the due diligence a leaking dry cleaner and plume of chlorinated solvents was identified on-site. Site Assessments and remedial investigations revealed the 12,500+ ft² plume had extended off-site and down to a depth of 30 ft. Under Mr. Yarina's direction a remedial alternative analysis was conducted and it was determined that in-situ chemical oxidation with persulfate was the most appropriate remedy. The remedial action plan and pilot testing are on-going.

Auto Toy Store, Fort Lauderdale, FL – Mr. Yarina was Project Manager for a Site Assessment and Remedial Action that included a detailed alternatives analysis. Both petroleum and chlorinated solvent plumes were characterized vertically during the Site Assessment. Characterization consisted of numerous Geoprobe samples and monitoring wells. The remedial alternative analysis focused on pump and treat, source removal and air sparging/vacuum extraction with ozone. Mr. Yarina was involved with Broward County DPEP negotiations on getting the remedial plan approved which ultimately air sparging was selected.

Daniel Spector, P.G.

**Senior Project Manager
Hydrogeology, Water Resources,
Contamination Assessment/Remediation**



20 years in the industry ~ 8 years with Langan

Mr. Spector has 20 years of experience in the environmental and water resources fields in Florida and Alabama. His area of concentration is hydrogeology and he has investigating aquifer properties for more than 130 stormwater drainage well projects. His hydrogeology experience includes looking for sources of water for major development projects in Nicaragua and Colombia. He is experienced in the application of county, state, and federal laws and regulations. Mr. Spector has worked on state and local government and agency projects, providing oversight and management. Mr. Spector also has construction oversight experience. He has contamination assessment and remediation experience, designing and implementing assessments of petroleum, non-petroleum, and hazardous-waste contaminated groundwater and soil.

Mr. Spector's experience includes interpreting seismic data and quality control, including calibration of seismic interference and real-time monitoring of data collection, in the Gulf of Mexico and offshore Brazil.

Selected Projects

Monroe County Landfill Monitoring, Cudjoe Key, Key Largo, Long Key, FL – Mr. Spector serves as the Project Manager for services related to the monitoring of groundwater quality at three closed landfills. Services were provided in accordance with Florida Department of Environmental Protection permit requirements. The project comprises semi-annual sampling of eight shallow monitoring wells and one surface water, preparation of monitoring reports, and submittal of field and laboratory data through the FDEP's ADaPT system.

Mechanical Integrity Test, Air Products & Chemicals, Pace, FL – Mr. Spector managed the five-year integrity test of a 1,500-ft-deep injection well. He prepared and submitted a Mechanical Integrity Test Work Plan to the Florida Department of Environmental Protection (FDEP) and oversaw the video survey, temperature log, caliper log, and pressure test. Mr. Spector prepared and submitted to FDEP a Mechanical Integrity Test Report, which concluded that the well passed the criteria for mechanical integrity. FDEP approved the report without changes and issued the new permit.

Municipal Golf Course, Pompano Beach, FL – Mr. Spector is managing the conditional closure of a municipal golf course where arsenic has been detected at concentrations above soil and groundwater cleanup target levels. He is working with Broward County to develop alternative soil cleanup target levels for the golf course and for the maintenance area based on different direct-exposure potentials using the FDEP 95% UCL tool and evaluating the kinds of engineering controls (impervious surfaces, two feet of clean fill) in the maintenance area based on the concentrations of arsenic in surficial soil.

Education

B.A., Geology
CUNY, Hunter College

M.S., Geosciences
Florida International University

Professional Registration

Registered Professional Geologist in FL
(No.1999) and AL (No. 1093)

Licensed Environmental Professional
(No. 161)

ExxonMobil Natural Gas Processing Facility, Jay, FL – Mr. Spector managed the assessment and recovery of free product at a 94-acre natural gas processing facility in Florida's panhandle. His review of the field and laboratory data led him to propose a modification of the cleanup strategy that had been accepted by the FDEP. The original strategy comprised a comprehensive delineation of free product and groundwater plumes, followed by groundwater pump-and-treat and soil vapor extraction. The \$300,000 assessment budget included 42 monitoring wells and 23 free-product monitoring wells in the shallow perched aquifer that discharged into a creek. Mr. Spector proposed a cleanup strategy that focused on preventing free product from entering the creek. The revised strategy required not delineation of free product and dissolved contamination, but monitoring of the movement of individual free product plumes. The revised strategy also required not an extensive (and expensive) remediation system, but a line of hydraulic containment wells near the creek, which would capture the free product and discharge it to the facility's deep disposal well.

Miami International Airport, Miami, FL - Mr. Spector has done environmental work at Miami International Airport (MIA) since the early 1990s. Since coming to Langan in 2004, Mr. Spector has managed nearly \$500,000 worth of petroleum contamination assessment projects for the Miami-Dade Aviation Department (MDAD) under the Miami-Dade County Equitable Distribution Program. Langan's services have included environmental compliance, site assessments, and environmental oversight during construction. The work requires access to airside operations areas and adherence to safety and security requirements imposed by the Federal Aviation Administration and the Department of Homeland Security.

Ryder Transportation Services, FL – Under Langan's national contract with Ryder Transportation Systems, Mr. Spector has managed Langan's environmental and engineering services at 15 Ryder facilities in Florida, including in Miami, Davie, Riviera Beach, Orlando, Tampa, Jacksonville, and Sarasota. Langan's services have included groundwater monitoring programs, site assessments, storage tank closure assessments, storage tank engineering design, stormwater engineering design, permitting, and methane mitigation system design, installation, and operation and maintenance.

Construction Dewatering Design and Groundwater Monitoring, Miami Beach, FL – Mr. Spector helped manage the design, permitting and groundwater monitoring for a large construction project at the historic Fontainebleau Hotel on Miami Beach. Langan had identified a plume of contaminated ground water under the building, and the client asked Langan to design and permit a dewatering plan that would allow construction to proceed without causing the plume to migrate into the excavations. The project required extensive groundwater monitoring and regulatory agency interaction.

Hydrogeological Services, City of Sunny Isles Beach, FL – Mr. Spector managed the investigation of the hydrogeology and water quality in Sunny Isles Beach to support the redesign of the city's stormwater drainage system. The investigation included three test holes to 100 ft, analysis of geological samples, field measurement of total dissolved solids, and step-drawdown specific capacity tests in carbonate sand and coralline limestone. The investigation concluded that the city's civil engineer could design the

Kevin DuBart, CIH, LEED AP

**Project Manager, Senior Industrial Hygienist
IAQ/Water Intrusion Investigations, Remediation Oversight,
Industrial Hygiene/Environmental Health & Safety**



16 in the industry ~ 4 years with Langan

Mr. DuBart has sixteen years of environmental consulting and industrial hygiene experience throughout the United States and abroad.

Mr. DuBart serves as the Senior Industrial Hygienist for Langan's industrial hygiene operations and remediation projects in the Miami Lakes, FL office. Mr. DuBart's experience includes Health & Safety Program Management and a wide variety of Industrial Hygiene Assessments including; visible emission tests, water intrusion & building envelope investigations, mold remediation oversight, asbestos inspections and abatement oversight, noise evaluations, chemical exposure monitoring, and indoor air quality & HVAC assessments.

Mr. DuBart has served as staff level to project level industrial hygienist for a wide variety of environmental & health & safety projects. A few of these representative projects are presented below.

Selected Projects

City of Coral Gables, FL, Mr. DuBart served as the on-site Health and Safety officer during the remediation and demolition of the former waste incinerator facility. The scope of work included conducting oversight of the remediation of asbestos, avian feces, and dioxin contaminated ash from various locations throughout the facility. Mr. DuBart conducted daily safety meetings and air monitoring for asbestos, bio-aerosols, and dust; while monitoring all construction activities to ensure the proper use of all personal protective equipment and worker safety.

Synthetic Fiber Manufacturer, FL, Mr. DuBart performed worker exposure monitoring for various chemicals during a newly designed non-woven fiber spinning process. The scope of work included conducting an evaluation of the exhaust system for the new spinning process to determine if it was adequate to protect the workers during work activities. This data was then used during the design of the full scale manufacturing process to ensure the proper ventilation system and personal protective equipment was used.

Miami VA Medical Center, Miami, FL, Mr. DuBart performed a noise evaluation for the Miami VA Medical Center's incinerator operators and loading dock workers to evaluate their noise exposures from the incinerator equipment. The scope of work included noise dosimetry of the incinerator and loading dock works as well as noise mapping of the incinerator and loading dock work areas. The data was then used to determine what engineering controls or PPE were necessary to protect the workers.

Education

B.S., Marine Science/Biology
University of Miami

Professional Registration

American Board of Industrial Hygiene –
Certified Industrial Hygienist

Florida Licensed – Mold Assessor

AHERA Certified Asbestos Project
Designer, Management Planner,
Supervisor & Building Inspector

NIOSH 582 Equivalent Microscopy
Certification

OSHA 40-Hour HAZ WOPER
Certification

Green Building Certification Institute –
LEED Accredited Professional

EPA – Lead-Based Paint Risk Assessor
Certification

Florida Department of Health - IAQ
School Inspector Certificate

Mold Assessment and Remediation in
Buildings Certificate

Infrared Training Institute – Building
Science Infrared Thermographer
Certification

Affiliations

American Industrial Hygiene Association

Indoor Air Quality Association

Construction Association of South Florida
– Health and Safety Committee

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Kevin Dubart, CIH, LEED AP

Village of Key Biscayne, FL, Mr. DuBart performed ambient air monitoring for hydrogen sulfide emissions emanating from a sanitary pump station. Mr. DuBart worked with local and state government agencies to determine if the emissions were a nuisance or health risk for neighboring residents. Mr. DuBart also conducted ozone and noise monitoring to ensure that the ozone generator being used by the county to treat the hydrogen sulfide emissions was not generating an ozone or noise hazard or nuisance.

FEMA, FL, Mr. DuBart conducted water intrusion and mold damage assessment of homes, schools, hospitals, and government buildings for FEMA following Hurricanes Charley, Frances, Ivan, and Jeanne throughout all of Florida.

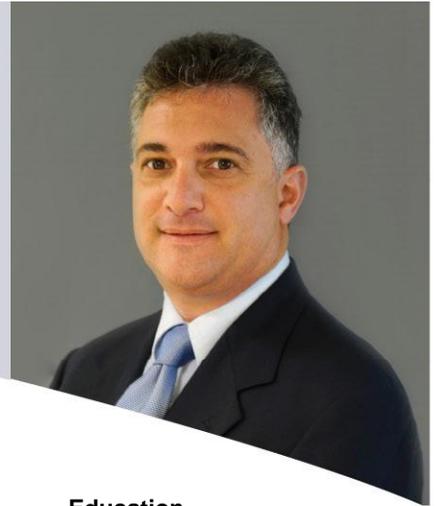
400-Unit Luxury Condominium Building, Sunny Isles, FL, Mr. DuBart served as Project Manager while conducting an HVAC evaluation and Water Intrusion Investigation of all 400 units of the condominium. The scope of work included, moisture mapping, infrared imaging, visual observations, intrusive investigation, bio-aerosol sampling, HVAC measurements (including slope of condensate pan and drain lines), and evaluation of the thermostats. Mr. DuBart also conducted project oversight of the remediation of water damaged building materials, abatement of asbestos containing materials, and HVAC repairs following the initial investigation.

Various Hospitals, Palm Beach & Miami-Dade Counties, FL, Mr. DuBart served as Project Manager while coordinating and supervising the removal of water damaged building materials from various areas of the hospital. The scope of work included the collection of bio-aerosol and microbial volatile organic compound samples in conjunction with mold remediation activities. Mr. DuBart also supervised the removal of asbestos and lead containing building materials from various parts of the hospital and collected Clearance samples in conjunction with lead and asbestos abatement activities.

National Department Store, FL, Mr. DuBart conducted HVAC evaluations, water intrusion evaluations, and asbestos surveys in a number of stores throughout South Florida. The scope of work included moisture mapping, infrared imaging, visual observations, intrusive investigation, bio-aerosol sampling, and asbestos sampling. Mr. DuBart also conducted project oversight of the remediation of water damaged building materials & asbestos abatement.

John Magnavita, PE

Senior Project Manager Geotechnical Engineering



20 years in the industry ~ 20 years with Langan

Mr. Magnavita has 20 years of geotechnical engineering and 10 years asbestos consulting services experience at Langan Engineering & Environmental Services. His practical experience with asbestos projects was gained by working on projects in Florida, Nevada and Virginia. His asbestos consulting experience includes performing as well as managing facility inspections, review and preparation of abatement specifications and preparation of operations and maintenance programs for shopping malls, medical facilities and resorts in excess of one million square feet.

Mr. Magnavita has served as senior project manager for a wide variety of geotechnical and asbestos-related projects. A few of these representative projects are presented below.

Selected Projects

The 321 Development Project (Former Fashion Mall), Plantation, FL, Conducted and supervised asbestos surveys for the inspection and sampling of several thousand feet of retail and office space. The project consisted of the thorough and timely inspection of two department stores, several retail spaces in the three-level mall complex and a seven-story office building. He also assisted the building owner in filing notification documents to the local and state regulatory agencies, developed and reviewed asbestos abatement contractor work plans, coordinated and supervised asbestos abatement monitoring of the contractor's work. Prepared final closure reports for each phase of demolition work such that planned demolition and renovation areas could be re-occupied.

Fontainebleau Resort, Miami Beach, FL, Conducted and managed asbestos surveys and asbestos abatement monitoring for this one million square foot project that was built in the 1950s and had undergone numerous renovations. The facility consisted of a 17-story, a 15-story and 10-story hotel buildings, 4-story convention center, 3-story dinner theater, a shopping mall and numerous back-of-house areas. The asbestos survey required about two months of inspection work. The asbestos abatement of this facility required about 11 months and costs were in excess of \$2.5 million. Mr. Magnavita reviewed prospective abatement contractor's work plans, assisted the owner in the selection process, coordinated pre-bid and pre-abatement work meetings with local regulators.

North Ridge Medical Center, Oakland Park, FL, Mr. Magnavita performed the asbestos survey and prepared the asbestos survey report for this medical facility multiple. The buildings consisted of an occupied by the Veteran's Administration Hospital and Outpatient Center, had a footprint area of approximately 65,000 square feet with a total floor area of approximately 131,000 square feet, and was built in 1982. The survey also consisted of the inspection of a four-story building that was occupied by

Education

M. Sc., Engineering (Geotechnical)
The University of Florida

B. Sc. Civil Engineering
The University of Florida

Professional Registration and Certification

Licensed Professional Engineer in
Florida

Licensed Asbestos Consultant in
Florida (License No. AX 70)

Asbestos Abatement: Facility Survey
and Building Systems (Inspector)

Asbestos Abatement: Management
Planning

Asbestos Abatement: Project Design

Affiliations

American Society of Civil Engineers

Construction Association of South
Florida

John Magnavita, PE

private medical offices, had a footprint area of approximately 19,000 square feet with a total floor area of approximately 77,000 square feet, and was built in 1979. Mr. Magnavita performed this asbestos survey with close coordination with hospital management.

The Sahara Hotel and Casino Resort, Las Vegas, NV, Prepared and implemented an operations and maintenance plan for this facility, which was constructed in 1952 and consists of several high-rise hotel towers, casino hall, theater, restaurant facility, several thousand square feet of back-of-house operation areas and a three-story engineering building. Prior to the preparation of the operations and maintenance plan, Mr. Magnavita performed thorough research on past resort renovations and asbestos documentation, interviewed long-time building systems engineering and management personnel as well as coordinating and performing a thorough evaluation of all building materials present at the resort along with a team of inspectors, selected by Mr. Magnavita. Subsequent to preparing the operations and maintenance plan, Mr. Magnavita met with the resort's operations management to review the operation and maintenance plan's procedures so that they could be properly implemented.

The Cipriani (Former The Saxony Hotel), Miami Beach, FL, Performed and managed asbestos surveys for this 14-story hotel structure, which was constructed in 1949, and consists of numerous types of ACM. Because of the lack of information in the form of floor plans and mechanical drawings, Mr. Magnavita developed detailed maps of ACM present throughout the facility, which included over mile of asbestos pipe insulating materials, HVAC ducts, asbestos flooring, and numerous miscellaneous materials. Mr. Magnavita assisted the client in selecting asbestos contractors by reviewing work plans and coordinating pre-bid meetings along with regulators, such that the handling and disposition of friable and non-friable ACM in poor condition were properly addressed. Mr. Magnavita coordinated and supervised asbestos abatement project monitoring services such that asbestos removal was conducted in accordance with federal and local regulatory standards.

999 Brickell Avenue, Miami, FL, Performed a due diligence asbestos survey for this 11-story commercial office building with approximately 110,000 ft² of floor space. Conducted follow-up pre-renovation asbestos surveys for the building manager, which were comprehensive and resulted in asbestos abatement cost savings.

New World Tower, Miami, FL, Conducted a due diligence asbestos survey for this 30-story commercial office tower as well as assisting with an indoor air quality assessment.

Commercial Office Building at 3050 Biscayne Boulevard, Miami, FL, Conducted an AHERA-styled asbestos survey and prepared an operations and maintenance plan for this 10-story commercial office facility.

Mother Earth Market, Gainesville, FL, Performed a pre-demolition asbestos survey for this 10,000 ft² grocery store facility built in the 1960s.

Costco, Kendall, FL, Performed a pre-renovation asbestos survey for this retail structure consisting of 40,000 ft² of floor space.

Gerard M. Coscia, P.E.

Senior Associate / Vice President
Remedial Engineering and Design



34 years in the industry ~ 21 years with Langan

Mr. Coscia has experience in geo-environmental engineering on projects throughout the United States. His specialties include directing remedial investigations and feasibility studies, and developing remediation plans for contaminated sites. His engineering expertise includes preparing specifications, drawings, and engineering reports; preparing cost estimates and schedules for construction; performing value engineering reviews; negotiating with clients, contractors, and regulatory agencies; and, providing technical assistance and supervision at project sites as part of construction management services.

Selected Projects

Remedial Action Design, Former Cascades Park Landfill, Tallahassee, FL- Engineer-of-Record for engineering design, including specifications and construction drawings, for the capping of landfill materials as part of a USEPA CERCLA Non-Time Critical Removal Action. The remedy included installation of a geosynthetic clay liner across the landfill surface and along the adjacent creek embankment. A box culvert was installed in part as a creek liner to prevent direct contact with any landfill materials that may have underlain the creek. A filter point mat system was designed as an alternate creek liner. Also provided engineering support during construction of the cap. USEPA approved the Closure Report in late 2007.

Ryder Transportation Services, Doral, FL – Environmental Engineer contracted to assess the extent of methane gas underneath the maintenance building at its facility in Doral, Florida. The facility, which Ryder bought in 2008, was built on a landfill and is required by the local regulatory agency to mitigate any health and safety hazards. The assessment comprises installing vapor probes under the asphalt in the parking lot, under the concrete apron around the building, and under the concrete floor slab inside the building.

Craig Farm Superfund Site, Petrolia, PA - Engineer-of-Record for the design of a 4.3-acre synthetic membrane cap for this Superfund site. The cap was designed to minimize infiltration through contaminated soil that had previously resulted in the generation of leachate seeps. An interceptor trench and drain prevented the leachate from reaching nearby surface waters, and the collected leachate was treated. The cap eliminated the need for the water treatment system, resulting in significant savings to the client.

Remedial Design, Koppers Wood Treating Superfund Site, Newport, DE - Engineer-of-Record for the remedy for this former wood-treating facility. Directed the design team's efforts to develop the Preliminary (30%) Design specifications, drawings and report. The Preliminary Design includes the following components: soil and sediment excavation and consolidation; low-permeability cap over the consolidated soil and sediment; product recovery; stream remediation, relocation, and restoration; containment barrier wall; and,

Education

MS, Civil Engineering
Polytechnic Institute of New York

BS, Civil Engineering
Manhattan College

Professional Registration

Professional Engineer (PE) in PA, NJ,
NY, DE, FL

Licensed Site Remediation
Professional (LSRP) in NJ

NJDEP - Licensed Subsurface
Evaluator

NJDEP - Approved Cleanup Star

Affiliations

American Society of Civil Engineers

The Business Council of New York
State, Environment Committee

New Jersey Business and Industry
Association, Brownfields Committee

National Association of Industrial and
Office Parks, Brownfields Committee

Tau Beta Pi

Chi Epsilon

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Gerard M. Coscia, P.E.

soil caps over certain other areas of the site. Developed alternate approaches to meeting the EPA's remedial objectives, considering implementability, cost and protectiveness, and, with EPA's concurrence, carried these alternatives into the Preliminary Design submittal.

Standard Chlorine Chemical Company, Kearny, NJ- Technical Project Manager representing Standard Chlorine Chemical Company (SCCC) in a Potential Responsible Party (PRP) Group that is developing remedial plans for the SCCC site and the adjacent Diamond site, both of which are listed by NJDEP as Hudson County Chromate Waste Sites. The remedy will address contamination by organic compounds in addition to hexavalent chromium contamination. Responsibilities as SCCC's Technical Project Manager include performing technical review of documents prepared by the PRP Group's consultants, providing comments to the PRP Group on behalf of SCCC, and participating in meetings with NJDEP and the USEPA.

Lucent Headquarters, Murray Hill, NJ - Project Director for the remediation of a trichloroethene (TCE) source zone in competent basalt at the corporate headquarters 200-acre property. Dense non-aqueous-phase liquid (DNAPL) had migrated into the joints between the basalt columns. The objective of the remedy was to reduce the concentration of the TCE DNAPL to below residual saturation. This was accomplished by injecting a permanganate-based chemical oxidant into the basalt. Blast fracturing was used to enhance the delivery of the oxidant into the source zone. Ongoing monitoring has shown a 97 percent decrease in the source zone.

PSEG Former Manufactured Gas Plant Sites, Multiple Locations, NJ- Program Manager for Langan's Master Contract with PSEG to provide engineering services for the investigation and remediation of 38 former manufactured gas plant (MGP) sites in New Jersey.

Combe Fill North Landfill Redevelopment, Mount Olive, NJ - Lead geo-environmental engineer for the evaluation of this former Superfund landfill as a suitable site for commercial development. Reviewed extensive regulatory files, participated in meetings with both USEPA and NJDEP, prepared a Minor Landfill Disruption Application for investigative work at the site, and currently evaluating design considerations for the redevelopment of the landfill into a commercial use. The conceptual redevelopment plan has been endorsed by USEPA and NJDEP.

Meadowlands Golf Redevelopment Project, NJ - Environmental Engineer on a Multi-disciplined Langan team that performed an intensive Site Development Feasibility Study for prospective investors at this major brownfields redevelopment site. The 785-acre site consists of four separate landfills which are to be closed and redeveloped. The environmental evaluation focused on landfill closure issues including permitting, closure design, future site use, long-term monitoring and maintenance, and natural resource risks.

Occidental Chemical Corporation, PA - Retained by attorney for Occidental Chemical Corporation to act as an expert witness in pending civil litigation. Evaluated specific issues in the case, developed conclusions based on those evaluations, and prepared an Expert Report that was used for mediation and settlement purposes. The report focused on the discharge and remediation of hexavalent chromium at a former industrial site that was being redeveloped for residential use. The case was settled, and Occidental Chemical Company received payment for remediation it performed for discharges caused by the paying party.

Ruben D. Ponciano

Senior Staff Geologist

Soil and Groundwater Contamination Assessment,
Hydrogeological Investigation, Environmental Site
Assessment, Storage Tank Management



20 years in the industry ~ 9 years with Langan

Mr. Ponciano has over 20 years of diversified environmental experience as a Senior Staff Geologist and has participated in the implementation of soil and groundwater contamination and remediation assessment at ECRA/ISRA, RCRA, and CERCLA sites, and in the development of groundwater resources. Task manager of numerous field subsurface investigations involving hydrocarbon releases, solvent contamination, and other contamination generated from varying industrial processes.

Mr. Ponciano has demonstrated expertise in field program management, and in the design and installation of groundwater monitoring systems. Analyzed construction materials suspected of containing asbestos by using Polarized light and Transmission electron microscopes. Also, Mr. Ponciano has been involved in the performance of transactional environmental site assessments (Phase I) and Geotechnical explorations for the evaluation of shallow and deep building foundations.

Selected Projects

C-111 Spreader Canal, Miami, FL – Senior Staff Geologist for the implementation of a Screening Level Phase I Environmental Assessment (EA) of 315 tracts of undeveloped and historical mixed-use agricultural land. Responsibilities included a helicopter fly-over survey, aerial photograph review, environmental data base research, and report preparation.

Cell 16 Diversion Impoundment Reservoir, Miami, FL – Senior Staff Geologist in the implementation of a Phase I/II Environmental Assessments (EA) for several tracts (implemented in 2004, and 2005) of undeveloped and mixed-use agricultural land. Responsibilities included soil and groundwater sampling, site reconnaissance, and report preparation

L-31 Canal North Buffer, Miami, FL– Senior staff geologist in implementing Phase I and II Environmental Assessments for over 50 tracts (2003, 2004 and 2005) of undeveloped and mixed-use agricultural land. Responsibilities included sampling soil and groundwater, investigating the site and preparing reports.

Biscayne Bay Coastal Wetlands, Miami, FL – Senior Staff Geologist in the implementation of a Phase I/II Environmental Assessments (EA) for 37 tracts (conducted in 2004) of undeveloped and historical mixed-use agricultural land. Responsibilities included soil and groundwater sampling, site reconnaissance, and report preparation

Proposed Kissimmee Field Station, Osceola County, FL – Senior Staff Geologist in the implementation of a Phase I/II Environmental Assessment (EA) for the Whaley Property a.k.a. Tract AG 100-013 (conducted in 2004)

Education

B.S. Geology
York College, CUNY

Professional Registration

OSHA 40-hour Health and Safety

OSHA 8-hour Health and Safety for
Hazardous Waste Operations

OSHA 8-hour Hazardous Material
Supervisor/Management

Storage Tank Management

Project Management Training Seminars

RCRA Short Courses on Updated
Regulations and Compliance

Polarized Light and Transmission
Electron Microscopy

Ruben D. Ponciano

use as a citrus grove. Responsibilities included soil and groundwater sampling, site reconnaissance, and report preparation

Miami-Dade Aviation Department, Miami, FL, – Conducted soil and groundwater testing programs at the Jet Ski Launch Area, Pan Am Track 1, Building 857, Parcel C, at the Miami International Airport. Direct-push technology was used to assess soil and groundwater conditions.

Miami-Dade Aviation Department, Miami, FL, – Conducted sampling and analysis of surveyed water fountains at the Miami International Airport for total lead in accordance with the Miami-Dade County Department of Environmental Resources Management guidelines.

Miami-Dade County Public Schools, Miami, FL, – Performed the analyses of asbestos containing materials for numerous schools in the Miami-Dade area using a polarized light and electron microscopy techniques.

City of Jersey City, Miami, FL, – Project geologist in an on-going implementation of a remedial investigation at several contaminated chromium waste sites in Jersey City, N.J. Responsibilities included site management, preparing reports, sampling soil and groundwater, and installing monitoring wells and coordinating other field-related tasks associated with the remedial investigation.

Security Estates, Miami, FL, – Senior staff geologist for the implementation of a Contamination Assessment Report Addendum involving assessing and remediating contamination caused by ammonia and arsenic at a construction and demolition debris facility. .

Deering Bay Yacht and Country Club, Miami, FL – Senior staff geologist for the implementation of a soil sampling investigation for the removal of approximately 5,500 cubic yards of soil that will require off-site disposal throughout a 54 acre golf course. The soil investigation was limited to only testing for arsenic and chlorinated-based pesticides.

Proposed Wal-Mart, Miami, FL – Senior staff geologist for the implementation of a soil and groundwater sampling investigation of approximately 29 acres of land. The purpose of this study was to investigate and confirm the elevated concentrations of arsenic detected in the muck soil on the Property reported by previous consultants.

Fontainebleau III, Miami, FL– Senior staff geologist for implementing a groundwater- and soil- sampling site assessment that Initial sampling identified a plume of tetrachloroethene and trichloroethene covering approximately 50 square feet to a depth of 30 feet. The site assessment included installing and sampling more than 40 direct-push and sonic wells and removing 40 tons of source material in low-headroom conditions.

Best Western Key Bridge Hotel, Arlington, VA – Senior staff geologist for conducting a Phase II Environmental Assessment consisting of a groundwater- and soil-sampling investigation. Responsibilities included installing a monitoring well sampling soils and groundwater, communicating with local regulatory agencies and preparing reports.

Roger Simon

Geologist
Environmental Assessment



4 years in the industry ~ 1 year with Langan

Mr. Simon has more than 4 years of experience in performing and evaluating Phase I and Phase II Environmental Site Assessments (ESAs), soil, air, and groundwater monitoring and remediation, well installation and abandonment, landfill gas (LFG) monitoring, petroleum storage system assessment and closure, soil classification techniques, subsurface characterization, and preparation of technical reports for compliance and land development.

Selected Projects

The Heritage at Boca Raton, Boca Raton, FL – This project consisted of a Phase I Environmental Assessment that revealed the presence of historical asbestos-containing building materials sealed in the interstitial spaces of the newly renovated buildings. An Operation and Maintenance plan was put into place and facilitated the sale of the property, the largest real estate transaction recorded in Palm Beach County in 2011.

Met 3, Metropolitan Miami Development, Miami, FL– This project consisted of a Phase I Environmental Assessment that revealed the presence of historical arsenic-impacted fill material. Subsequent characterization using 95% Upper Confidence Limit statistical analysis resulted in delineation and disposal of over 400 tons of fill material from select areas and decreased construction costs.

Community Asphalt, Condotte America, & DMG Properties, Miami, FL - Groundwater and Surface Water Assessment of Lakefill Site for Contaminants of Concern (COCs) such as Ammonia, Iron, and Aluminum. Mr. Simon assisted with the fulfillment of permit requirements of lakefill site in northwest Miami-Dade County currently undergoing assessment activities for ammonia, iron, and aluminum impacts in groundwater and surface water. The property, which is under DERM-oversight, involves multiple technical and management issues ranging from shared ownership of the lakefill area to complex hydrogeological conditions. Mr. Simon assisted with all field assessment, groundwater and surface water sampling activities, and technical reports for regulatory approval.

Florida Power & Light, Miami-Dade County, FL – This project consisted of soil and groundwater remediation within active electrical substations. Mr. Simon assisted with the assessment and Remedial Action Plans for active substation sites throughout Miami-Dade County currently under DERM oversight for arsenic impacts in soil and groundwater. Mr. Simon assisted with all field assessment, groundwater and surface water sampling activities, and technical reports for regulatory approval.

Education

B.S. Geophysical Science
University of Chicago

Professional Registration

40-hour OSHA Hazardous Waste Operations and Emergency Response Certificate

NIOSH 582 Microscopy

Petroleum Storage System Closure, Miami-Dade Aviation Department, Miami, FL - Mr. Simon assisted with the assessment and Level II closure for active and abandoned petroleum storage systems including tanks and associated piping. Mr. Simon assisted with all field assessment, groundwater and surface water sampling activities, and technical reports for regulatory approval.

Community Asphalt Company – OHL, Miami International Airport, Miami, FL – Mr. Simon conducted subsurface assessment and dewatering associated with the construction road improvements at the Miami International Airport. Mr. Simon assisted with the assessment and management of soil and groundwater for the Miami International Airport Boulevard widening and expansion. Mr. Simon assisted with all field assessment, groundwater and surface water sampling activities, and technical reports for regulatory approval.

Environmental Cleanup, Compliance and Related Services for Miami-Dade County Facilities, Various Sites, Miami, FL – Mr. Simon coordinated and conducted source removal activities, surface soil sampling, vertical and horizontal delineation of COCs, groundwater sampling, industrial wastewater treatment assessment, tank removal and closure in strict accordance with FDEP and DERM requirements.

Biscayne Landing, North Miami, FL – Mr. Simon implemented Landfill Gas (LFG) Management System Monitoring for Residential and Commercial Structures. Mr. Simon performed landfill gas monitoring and prepared numerous Landfill Gas Monitoring Report (GMR) to FDEP, the Miami-Dade Department of Environmental Resources Management (DERM) and Miami-Dade Fire Rescue. Mr. Simon implemented the Surface Water and Groundwater Quality Monitoring Program for the site consisting of 83 monitoring wells and 30 surface water sampling locations.

Beacon Countyline Development (Former Peerless C&D Landfill), Hialeah, FL – Mr. Simon coordinated and conducted semi-annual groundwater and surface water quality monitoring and reporting, as well as evaluating material for re-use at the site.

Port of Miami Tunnel Project, Miami, FL - Mr. Simon coordinated and collected historical groundwater and soil sampling data, assisted in the development of the soil management plan for large volumes of spoils from tunnel boring operation, including the acquisition of confirmatory soil data for soil re-use and soil classification.

Miami Airport Intermodal Corridor (MIC), Metrorail Extension Project, Miami, FL – Mr. Simon assisted in the assessment, delineation, and treatment of COCs for the MIC, including soil and groundwater assessment, dewatering system assembly, remediation system maintenance and fulfillment of monitoring requirements for several parcels.

Boeing North America, Tahoma, WA - Mr. Simon assisted in the assessment and abatement of metallic dust from industrial operations at Boeing facilities and conducted the subsequent air monitoring for environmental regulatory compliance.

Steven Sherman

Staff Engineer

Soil and Groundwater Contamination, Environmental Site Assessment, Environmental Engineering



2 years in the industry ~ 1 year with Langan

Mr. Sherman serves as a Staff Level Engineer for various projects including Phase I and II Environmental Site Assessments (ESA), groundwater monitoring, source removal activities and environmental engineering for water remediation and vapor intrusion.

Selected Projects

Monroe County Landfill Monitoring, Cudjoe Key, Key Largo, Long Key, FL – Mr. Sherman serves as a staff engineer for services related to the monitoring of groundwater quality at three closed landfills. Services were provided in accordance with Florida Department of Environmental Protection permit requirements. The project comprises semi-annual sampling of eight shallow monitoring wells and one surface water, preparation of monitoring reports, and submittal of field and laboratory data through the FDEP's ADaPT system.

Island Gardens, Miami Beach, FL - Staff Engineer for a Phase II ESA, which consisted of soil and groundwater sampling, monitoring well installation, and site investigation. Responsibilities included installing 20-foot-deep monitoring wells, groundwater sampling, soil sampling, and report preparation.

Spanish Village, Coral Gables, FL – Staff Engineer for a Phase II ESA, which consisted of soil and groundwater sampling, monitoring well installation, and site investigation. Responsibilities included installing 20-foot-deep monitoring wells, groundwater sampling, soil sampling, and report preparation.

Ryder Transportation Services, Miami-Dade and Broward Counties, FL – Staff Engineer for the implementation of groundwater and subsurface investigations such as Contamination Assessment Addendum Reports (CARA), Site Assessment Reports (SAR), source removal, soil sampling, water level measurements, and groundwater monitoring.

Atlantic Beach Hotel, Miami Beach, FL – Staff Engineer for a Phase II ESA, which consisted of soil and groundwater sampling, monitoring well installation, and site investigation. Responsibilities included installing 20-foot-deep monitoring wells, groundwater sampling, soil sampling, and report preparation.

Miami International Airport, Miami, FL – conducted groundwater monitoring, which included groundwater sampling, water level measurements, report preparation and regulatory communications.

Education

B.S. Environmental Engineering
University of Central Florida

Professional Registration

OSHA 40-Hour HAZ WOPER Certification

Steven Sherman

Atlantic Avenue, Daytona Beach, FL – Staff Engineer for a Source Removal investigation that included the Tank Closure Assessment (TCAR) of one underground diesel storage tank. Responsibilities included, soil screening and sampling, UST removal, and report preparation.

Lincoln Pointe Apartments, Aventura, FL – Staff Engineer in the implementation of a Phase I ESA of the 8 acre site. Responsibilities included historical research, environmental database reviews, site reconnaissance and interviews, and report writing.

C.R. Higdon 1.2 Acre Parcel, Pensacola, FL – conducted a Phase I ESA of the 1.2 acre parcel of land. Responsibilities included historical research, environmental database review, and report writing.

Silver Springs Boulevard, Ocala, FL – Staff Engineer in the implementation of a Phase II ESA of the 2 acre property. Responsibilities included soil sampling and classification, installing direct push monitoring well, and report writing.

BP Superstop 441, Fort Lauderdale, FL – Staff Engineer in the implementation of quarterly groundwater monitoring. Responsibilities included groundwater sampling, coordinating with the laboratory, monitoring report writing, and No Further Action report writing.

Hallandale Beach Blvd, Hallandale Beach, FL – Staff Engineer for a Reasonable Assurance Investigation, which included Standard Penetration Testing and specific capacity testing. Responsibilities included supervising drillers, performing Standard Penetration Tests, collecting and classifying soil samples, groundwater sampling, and specific capacity testing.

Former Jones Chemical – North Miami, FL – Staff Engineer in the implementation of Temporary Point of Compliance activities. Responsibilities included groundwater sampling and report writing.

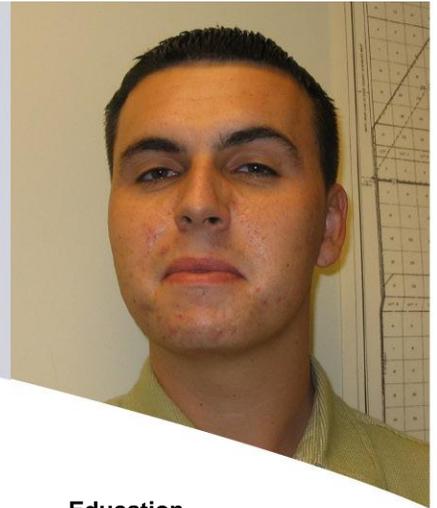
Ryder Transportation Services, Miami, FL – Field Engineer overseeing the installation of a methane mitigation system to reduce sub-slab methane concentrations. Responsibilities included overseeing construction, system monitoring and methane monitoring, developing a site specific operation and maintenance manual, and writing quarterly methane monitoring reports.

Fontainebleau, Las Vegas, NV – Staff Engineer in the implementation of discharge permitting compliance. Responsibilities include writing quarterly discharge monitoring reports, renewing the National Pollutant Discharge Elimination System permit and corresponding with the local regulatory agency to maintain permit compliance.

Ivan Zapata

Environmental Technician

**Industrial Hygiene Services, Environmental Assessment,
Remediation Oversight**



2 years in the industry ~ 1 year with Langan

Mr. Zapata has ten years of environmental consulting and industrial hygiene experience throughout the United States and abroad. Mr. Zapata serves as the environmental technician for Langan's industrial hygiene operations and remediation projects in the Miami Lakes, FL office. Mr. Zapata has been involved in a wide range of projects that have included: asbestos inspections and abatement oversight, water intrusion investigations, mold remediation oversight, environmental site assessments, noise monitoring, remedial excavation oversight, monitoring dewatering treatment system and permit compliance sampling. He has conducted major project assignments in Florida, Las Vegas, New York, New Jersey, Virginia, Georgia, Alabama, North Carolina, South Carolina, and Netherlands Antilles.

Selected Projects

Fontainebleau Resort, Miami Beach, FL. Mr. Zapata conducted an asbestos survey for the one million square foot resort that was built in the 1950s and had undergone numerous renovations. The facility consisted of a 17-story, 15-story and 10-story hotel structures, 4-story convention center, 3-story dinner theater, a shopping mall and numerous back-of-house areas. The asbestos survey was conducted while the facility was occupied, which required extensive coordination with the owner and operations management such that the inspections could be conducted thoroughly and efficiently. The asbestos survey required about two months of inspection work. Significant quantities of asbestos-containing materials (ACMs) were identified throughout the facility. The scope of work included the visual inspection of the facility to identify the presence, condition and extent of ACMs; and asbestos survey report preparation. Mr. Zapata also coordinated and conducted oversight of the removal of ACMs prior to the planned renovation of the facility. The asbestos abatement of this facility required about eleven months. Abatement oversight included visual inspections of asbestos abatement areas to ensure that the abatement contractor's removal work practices were in accordance with federal, state and local regulations; conducted pre, during, and post-asbestos abatement air sampling of asbestos abatement areas; and prepared post-asbestos abatement air clearance reports.

Marlins Ballpark, Miami, FL. Mr. Zapata monitored the dewatering treatment system and conducted permit compliance sampling for the duration of the foundation construction for the stadium and the four parking garages.

Hialeah Park Horse Racetrack, Hialeah, FL. Mr. Zapata conducted an asbestos survey of this facility, which included a three-level clubhouse, 5-story back-of-house structure, four-level grandstand, a mechanical equipment structure, and a warehouse. The scope of work included the

Education

Miami-Dade Community College,
Computer Science

Professional Registration

Certified Asbestos Supervisor & AHERA
Building Inspector

Asbestos Project Monitor License for the
State of New York (License No. 08-
19997)

NIOSH 582 Phase Contrast Microscopy
Certification

OSHA 40-Hour Hazardous Waste
Operations Training

Ivan Zapata

visual inspection of the facility in order to identify the presence, condition and extent of ACM; and asbestos survey report preparation.

Metropolitan One, Miami, FL, Mr. Zapata conducted a water intrusion investigation for the 41-story condominium tower. The investigation included a visual assessment of all accessible areas, identifying water impacted building materials utilizing a moisture meter, photographic documentation of impacted areas utilizing a digital and infrared camera, and prepared a summary of observations.

JC Penny Department Stores in Miami-Dade, Palm Beach, Hillsborough and Pinellas County, FL, Mr. Zapata conducted work-in-progress air monitoring of areas where asbestos abatement contractor performed re-cabling for registers, quality assurance asbestos inspections to ensure contractor's work was in compliance with the work plan and phase contrast microscopy (PCM) air sampling analysis for various JC Penny Department Store locations. Mr. Zapata also conducted a water intrusion investigation for one of the JC Penny Department Store locations. The investigation included a visual assessment of all accessible areas, identifying water impacted building materials utilizing a moisture meter, photographic documentation of impacted areas, and prepared a summary of observations.

Plantation General Hospital, Plantation, Florida. Mr. Zapata conducted a water intrusion investigation for the above mentioned facility. The investigation included a visual assessment of all accessible areas, identifying water impacted building materials utilizing a moisture meter, photographic documentation of impacted areas, air sampling and prepared a summary of observations. Mr. Zapata also coordinated and conducted oversight of the removal of ACM prior to the planned renovation of the multi-wing hospital facility. Abatement oversight included visual inspections of asbestos abatement areas to ensure that the abatement contractor's removal work practices were in accordance with federal, state and local regulations; conducted pre, during, and post-asbestos abatement air sampling of asbestos abatement areas; performed PCM air sampling analysis; and prepared post-asbestos abatement air clearance reports.

The 321 Development Project (Former Fashion Mall), Plantation, FL, Mr. Zapata conducted asbestos surveys of this facility, which included a three-level mall, 7-story office building and a parking garage for ACMs. The scope of work included the visual inspection of the facility in order to identify the presence, condition and extent of ACMs; and asbestos survey report preparation. Mr. Zapata also coordinated and conducted oversight of the removal of ACMs prior to the planned renovation of the facility. Abatement oversight included visual inspections of asbestos abatement areas to ensure that the abatement contractor's removal work practices were in accordance with federal, state and local regulations; conducted pre, during, and post-asbestos abatement air sampling of asbestos abatement areas; and prepared abatement clearance reports.

Rialto Capital Advisors, LLC. Various Locations, Mr. Zapata conducted numerous Phase I Environmental Site Assessments (ESAs) for properties located throughout Florida, Georgia, North Carolina, South Carolina, and Alabama. The purpose of the Phase I ESAs were to identify recognized environmental conditions existing at the subject properties as a result of on-site and/or off-site activities. Projects included historical research, environmental database reviews, site reconnaissance, and report preparation for each of the sites.

AVIS-BUDGET KEY WEST TANK CLOSURE ASSESSMENT

SERVICES:

- *Underground Storage Tank Closure*
- *Pre-Demolition Asbestos Survey*

LOCATION:

City of Key West, Florida

CLIENT:

Avis-Budget Group, Inc.

COST:

\$17,500 (Langan fee)
\$3,900 (Subcontractor fee)

REFERENCE:

Rose Pelino
Avis-Budget Group, Inc.
6 Sylvan Way
Parisippany, New Jersey 07054
973.496.6942

KEY PERSONNEL:

Daniel Spector
Vincent Yarina
Kevin DuBart

CONTRACTOR:

N/A



Langan completed a tank closure assessment for the removal of a 6,000-gal underground storage tank (UST), product lines, dispenser, and appurtenances at an Avis-Budget facility at 3495 Roosevelt Boulevard, Key West, Florida. The objective of the closure assessment was to determine whether discharges from the UST system had affected soil or groundwater quality. The assessment was completed in accordance with Chapter 62-761, Florida Administrative Code, and the Storage Tank System Closure Assessment Requirements (Florida Department of Environmental Protection, 1998). The assessment did not identify soil or groundwater contamination in excess of site rehabilitation levels.

Langan also completed a pre-demolition asbestos survey of the single-story car wash facility. The purpose of the pre-demolition asbestos survey was to meet the notification requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation prior to demolition. Asbestos-containing material was not identified during the survey.



SERVICES:

- Groundwater Sampling
- Data Evaluation

LOCATION:

Cudjoe Key, Key Largo, Long Key

CLIENT:

*Monroe County Solid Waste
Management Division*

COST:

\$45,700 (Langan fee)

REFERENCE:

*Rosa Washington
110 Simonton Street, Room 2-231
Key West, Florida 33040
305-292-4432*

KEY PERSONNEL:

*Vincent Yarina
Daniel Spector
Steven Sherman*

CONTRACTOR:

N/A



Under a five-year contract with Monroe County, Langan is monitoring groundwater quality at three closed landfills, in accordance with Florida Department of Environmental Protection permit requirements. The landfills are on Cudjoe Key, Long Key, and Key Largo. The project comprises semi-annual sampling of eight shallow monitoring wells and one surface water, preparation of monitoring reports, and submittal of field and laboratory data through the FDEP's ADaPT system.

The contract also allows the county to access Langan's services for other related issues, such as repairing an aboveground well protection box at one of the landfills.

MARLINS BALLPARK AND PARKING GARAGES

SERVICES:

- Construction Dewatering Consultation, Design and Permitting
- Environmental Consulting
- NPDES Stormwater Permitting

LOCATION:

Miami, Florida

CLIENT:

Florida Marlins, L.P.
Hunt Moss Joint Venture
Suffolk Construction
Baker Concrete

COST:

\$635,000,000 (Construction)
\$202,065 (Langan fee)

REFERENCE:

Steve Fenton
305.374.1107
sfenton@suffolkconstruction.com

KEY PERSONNEL:

Vincent Yarina
John Magnavita
Ruben Ponciano
Kevin DuBart
Ivan Zapata

CONTRACTOR:

Hunt/Moss, A Joint Venture
1380 NW 6th Street
Miami, FL 33125
305.325.0577
Sid Perkins



Photo Courtesy of David Brantley

The project involved the construction of the Marlins Ballpark and surrounding four parking garages. The site, formerly home to Orange Bowl, was contaminated by arsenic in the soil and groundwater. The groundwater was very shallow and required dewatering to enable construction. Excavations were to occur in the Miami Limerock, which is highly permeable but not suitable for many methods of dewatering.

Multiple contractors retained Langan to provide dewatering design and permitting services for multiple phases of the foundation and utility construction at the entire project site. Langan designed a construction dewatering system that treated the highly turbid dewatering effluent for both suspended solids and arsenic. The system consisted of open sump pumps that were pumped into on-site exfiltration trenches or deep wells. Langan permitted the dewatering system with the Miami Dade County Department of Environmental Resources Management and South Florida Water Management District. The team also permitted the use of drainage wells to receive the effluent with the Florida Department of Environmental Protection. In addition, Langan provided consultation and testing services regarding the management of on-site contaminated soils and imported fill.

Langan's services allowed the project begin on time and the system worked successfully, allowing dewatering to continue without ceasing for permit violations.

The work was conducted on a highly accelerated schedule to comply with Major League Baseball's opening day requirements.

CITY OF SUNNY ISLES BEACH HYDROGEOLOGICAL SERVICES

SERVICES:

- Evaluation of Geology and Water Quality
- Aquifer Testing

LOCATION:

City of Sunny Isles Beach, Florida

CLIENT:

City of Sunny Isles Beach

COST:

\$57,000 (Langan fee)

REFERENCE:

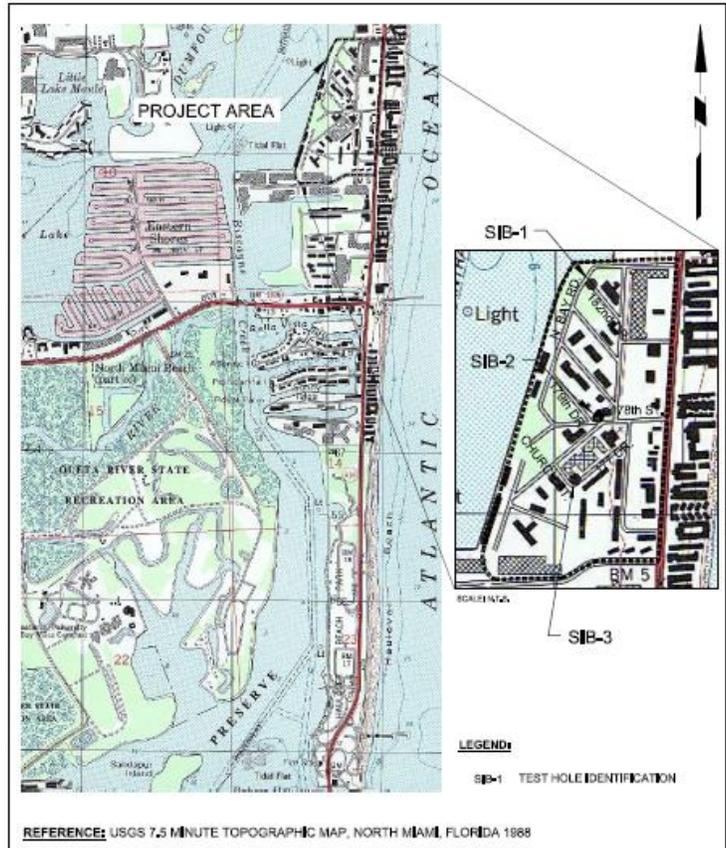
Doug Taylor
Calvin, Giordano & Associates, Inc.
1800 Eller Drive, Suite 600
Fort Lauderdale, FL 33316
(954) 921-7781

KEY PERSONNEL:

Daniel Spector
Vincent Yarina

CONTRACTOR:

N/A



Langan provided hydrogeological services in support of an upgrade to the City's right-of-way stormwater drainage plan to alleviate street flooding during rain events. Langan's scope of work included supervising three 150-ft test holes, evaluating geology and water quality (total dissolved solids), and performing specific capacity tests in potential production zones. Langan provided a reasonable assurance report that met the requirements of Chapter 62-528, Florida Administrative Code as part of the permit package for the new stormwater drainage wells. Langan also provided a report documenting specific capacities in the project area, which the city's engineer incorporated into the drainage design.

Langan determined that the geological and total dissolved solids data provided reasonable assurance, stating that properly constructed production wells cased to 55 ft bls should minimize the potential for discharged stormwater to migrate vertically and affect a Class G-II aquifer system or surface water body, or to cause mounding at the surface.

The specific capacity test consisted of pumping groundwater in order to monitor the flow rate, drawdown, and elapsed time. Langan recommended design capacity rates ranging from 400 gallons per minute (gpm) per foot of head (gpm/ft) to 700 gpm/ft.

OCEAN REEF STAFF HOUSING - ASBESTOS CONSULTING SERVICES

SERVICES:

- *Pre-Demolition Asbestos Survey*
-

LOCATION:

Key Largo, Florida

CLIENT:

Ocean Reef Club

COST:

\$5,000 (Langan fee)

REFERENCE:

*Glen Lewis
Ocean Reef Club.
(305) 367-5930*

KEY PERSONNEL:

*Vincent Yarina, P.G.
Roger Archabal, P.E.
John Magnavita, P.E.,L.A.C.*

CONTRACTOR:

N/A



The purpose of the pre-demolition asbestos survey was to identify the presence, condition and extent of asbestos-containing material (ACM) associated with five structures that are planned for demolition. The five structures planned for demolition served as Ocean Reef Club staff's housing that were originally fishing cottages built in the 1920s.

Our Florida Licensed Asbestos Consultant conducted the asbestos survey and identified approximately 7,000 ft² of ACM.

The demolition schedule was fast-track and the asbestos survey was completed in a day for occupied buildings and under budget.

Transite siding, which typically contains 20% to 40% Chrysotile asbestos fibers, was identified on the exterior walls of all the buildings. The ACM was thoroughly assessed, quantified and appropriate measures were recommended for proper removal and disposal in accordance with regulatory standards. approved.

Langan assisted the client in selecting an abatement contractor.

SERVICES:

- Phase I ESA
- Phase II ESA

LOCATION:

Marathon, Florida

CLIENT:

Peebles Development

COST:

\$12,000 (Langan fee)

REFERENCE:

Mark Morais
The Peebles Corporation
One Alhambra Plaza, Suite 1400
Coral Gables, FL 33134
(305) 442-4342

KEY PERSONNEL:

Ruben Ponciano
Vincent Yarina

CONTRACTOR:

N/A



Langan provided due diligences services for a property transaction in Marathon. Langan completed a Phase I Environmental Site Assessment (ESA) according to ASTM Standard Practice E1527-05, which identified *recognized environmental conditions* (RECs) in regard to the property. The RECs included a former underground storage tank area and a contaminated groundwater plume on an adjoining property.

Langan completed a Phase II ESA, which included direct-push soil and groundwater sampling at and near the RECs. Laboratory analysis did not detect contaminants of concern at concentrations above cleanup target levels established in Chapter 62-777, Florida Administrative Code.

SERVICES:

- Remediation Services

LOCATION:

Tallahassee, Florida

CLIENT:

WRS Infrastructure & Environment, Inc.

COST:

\$8,000,000 (Construction)

\$600,000 (Langan fee)

REFERENCE:

Koren Taylor
City of Tallahassee
300 South Adams Street
Tallahassee, FL 32301
(850) 891-8703

KEY PERSONNEL:

Gerard Coscia
Vincent Yarina

CONTRACTOR:

WRSCompass
Brent Anderson
(813) 684-4400



Cascades Park is one of the most historically significant locations in Tallahassee, not to mention the entire state of Florida, and the process to return it to its citizens as a beautiful urban recreation site is now underway. The City of Tallahassee's Cascades Park Cleanup project has been completed. This is a critically important step that will help transition the site into a multi-use downtown park.

Langan was a sub-contractor to WRS Infrastructure & Environment, Inc. for design consulting and engineering oversight services for the ongoing \$8 million Cascades Park Remediation Project, a coal gasification plant and landfill Superfund site has been remediated by the City of Tallahassee under an Administration Order of Consent with USEPA.

Langan prepared the Removal Action Work Plan which received USEPA approval in a one month time period. Design specifications and drawings were developed for the removal of in excess of 47,000 cubic yards of contaminated soil, and the construction of a low permeability liner within the excavated area for future use as a stormwater management facility at the former plant site.

At the landfill site, Langan conducted geotechnical investigations and is currently developing engineering specifications and drawings for the removal action which involves sediment removal from the creek; installation of a 400 linear foot box culvert within the creek; and installation of a geosynthetic clay liner (GCL) cap on the landfill surface, and installation of a GCL along the landfill embankment, totaling 5,720 square yards.

Langan also provided engineering oversight during the earthwork and liner installation at the former plant site, and provided oversight during the box culvert and GCL installation at the landfill site.

SERVICES:

- Dewatering Design
- Permitting
- Groundwater Monitoring during Construction

LOCATION:

Miami Beach, Florida

CLIENT:

Bud Hall
Turnberry Associates
19950 West Country Club Drive
Aventura, Florida 33180
305-937-6262

PROJECT COST:

\$250,000

KEY PERSONNEL

Vincent Yarina
John Magnavita
Daniel Spector
Ruben Ponciano

CONTRACTOR:

NA



The client contracted Langan to design a dewatering system that would allow construction to proceed on schedule without causing a plume of contaminated ground water to migrate into the excavations.

Langan designed a system that divided the dewatering into phases based on the size and depth of the excavations, and which required the largest and deepest excavations to be sheet-piled. Langan demonstrated to the regulatory agency that the system would minimize the potential for plume migration. The agency approved the plan. Langan monitored groundwater levels and contaminant concentrations during construction and modified the dewatering plan to accommodate changes in the construction process.

Langan worked closely with the regulatory agency to resolve problems before they affected the construction schedule.

Langan's design, monitoring, and regulatory agency relationships saved the client hundreds of thousands of dollars that the client would have had to spend to treat contaminated ground water if dewatering had pulled that contamination into the excavations.

CITY OF HALLANDALE BEACH HYDROGEOLOGICAL SERVICES

SERVICES:

- *Evaluation of Geology and Water Quality*
- *Aquifer Testing*

LOCATION:

City of Hallandale Beach, Florida

CLIENT:

City of Hallandale Beach

COST:

\$128,000 (Langan fee)

\$108,000 (Subcontractor fee)

REFERENCE:

*Doug Taylor
Calvin, Giordano & Associates, Inc.
1800 Eller Drive, Suite 600
Fort Lauderdale, Florida 33316
954-921-7781*

KEY PERSONNEL:

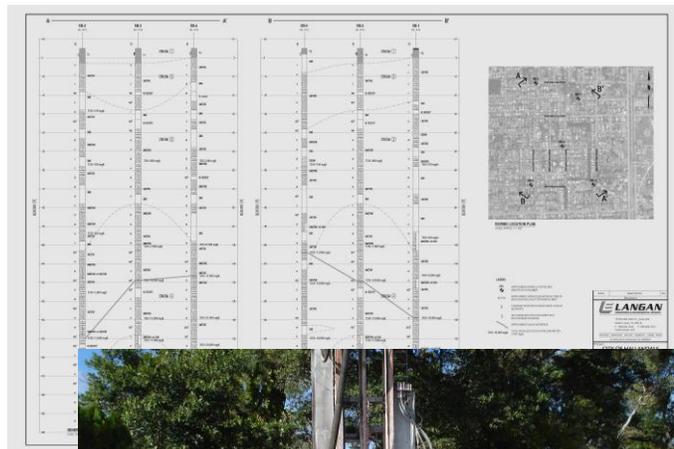
*Daniel Spector
Vincent Yarina
Ruben Ponciano
Steven Sherman
Roger Simon*

CONTRACTOR:

N/A

Langan provided hydrogeological services in support of the city's plan to install pressurized right-of-way stormwater drainage wells to alleviate street flooding. Langan's scope of work included supervising five 150-ft. test holes in the 120-acre Northeast Quadrant project area, five 200-ft. test holes in the 120-acre Southwest Quadrant project area, and four 200-ft test holes in the 80-acre Southeast Quadrant area; evaluating geology and water quality (total dissolved solids); and performing specific capacity tests in potential production zones in the Southwest and Southeast Quadrants. Langan provided reasonable assurance reports that met the requirements of Chapter 62-528, Florida Administrative Code as part of the permit package for the stormwater drainage wells. The reasonable assurance reports recommended minimum well casing depths to ensure that the stormwater would be injected below a semi-confining layer and into a G-II aquifer (total dissolved solids greater than 10,000 parts per million).

Langan helped Calvin, Giordano & Associates, Inc. (the engineer of record) and the City of Hallandale to prepare the bid package for the 16 stormwater drainage wells and associated appurtenances for the Northeast Quadrant. Langan will provide full-time observation of the well installations to ensure that the wells meet the Florida Department of Environmental Protection permit conditions. Langan expects to provide similar services for the Southeast Quadrant.



SERVICES:

- *ISO 14001 Environmental Compliance Audits*
 - *Corrective Action Recommendations*
-

LOCATION:

*Miami International Airport
Miami, Florida*

CLIENT:

*Arturo Sosa
Miami-Dade Aviation Department
P.O. Box 025504
Miami, Florida 33102-5504
(305) 876-7519*

PROJECT COST:

\$40,000 (Langan Fee)

KEY PERSONNEL:

*Daniel Spector
Vincent Yarina*

CONTRACTOR:

N/A



Miami International Airport is one of the first to be certified as ISO 14001 compliant. To maintain the certification, the Miami-Dade Aviation Department (MDAD) is required to audit its tenants' environmental practices. MDAD contracted Langan to evaluate tenants' UST and AST systems, wastewater systems, hazardous materials storage and disposal procedures, permit compliance, environmental management systems, and oil pollution management systems.

Under a \$40,000 budget, Langan compared the tenant's practices and procedures to federal requirements in CERCLA, SARA, RCRA, TSCA, CAA, CWA, OPA, and SDWA and to state and local rules and regulations. Langan ranked deficiencies on a scale ranging from Priority 1 (an active threat to health or the environment) to Priority 4 (a deficiency that does not represent regulatory non-compliance and that can be addressed with a best management practice [BMP]).

Langan's recommendations for corrective action ranged from providing secondary containment for 55-gallon drums of waste oil, to chaining oxygen cylinders to a secure structure, to labeling drums properly, to maintaining a written contingency plan, to containing wastewater, to developing a BMP to recycle solid wastes.

PAN AM TRACT 1 SOAKAGE PIT ASSESSMENT AND REMOVAL

SERVICES:

- *Environmental Assessment*
 - *Environmental Oversight During Construction*
-

LOCATION:

*Miami International Airport
Miami, Florida*

CLIENT:

*Arturo Sosa
Miami-Dade Aviation Department
P.O. Box 025504
Miami, Florida 33102-5504
(305) 876-7519*

PROJECT COST:

\$60,000 (Langan Fee)

KEY PERSONNEL:

*Daniel Spector
Vincent Yarina
Ruben Ponciano*

CONTRACTOR:

N/A



The Miami-Dade Aviation Department (MDAD) contracted Langan to assess the nature and extent of contamination in and around 11 soakage pits, which MDAD had to remove to make way for a utility corridor. The pits were installed more than 40 years ago; tenants washed and repaired airplanes near the pits, which collected the runoff from those operations. The \$129,000 project (drilling and laboratory costs were handled directly by the client) included more than 200 soil samples, 45 groundwater samples, and 175 samples for field screening of petroleum hydrocarbon vapors.

After the assessment, Langan provided full-time environmental oversight of the removal of the soakage pits to ensure that the construction contractor handled and disposed of free product and contaminated soil and groundwater according to FAA, MDAD, and state and county regulations.

POMPANO BEACH MUNICIPAL GOLF COURSE CONDITIONAL CLOSURE

SERVICES:

- *Environmental Engineering*
-

LOCATION:

Pompano Beach, Florida

CLIENT:

The City of Pompano Beach

COST:

\$132,000 (Langan fee)

REFERENCE:

*Alessandra Delfico
City of Pompano Beach
954.786.4144*

KEY PERSONNEL:

*Daniel Spector
Vincent Yarina
Ruben Ponciano
Steven Sherman
Roger Simon*

CONTRACTOR:

N/A



The City of Pompano Beach Municipal Golf Course is considered by Broward County EPD to be a contaminated site in which soil and groundwater are contaminated with arsenic and soil in the maintenance facility area is contaminated with dieldrin.

The city contracted Langan to help negotiate a final closure plan for the contamination. Langan completed the closure assessment in the golf course area and in the maintenance facility area. The assessment included developing a site-specific alternative cleanup target level for arsenic in the golf course, and using the Florida 95% UCL Tool to determine the need for engineering controls in the maintenance facility area.

Langan has submitted a No Further Action Proposal under Chapter 62-780, Florida Administrative Code, which proposes institutional controls for the golf course and maintenance facility areas, and engineering controls for the maintenance facility areas. When EPD approves the proposal, Langan will work with the city to prepare a No Further Action Plan.

RYDER DORAL #1214 METHANE ASSESSMENT AND MITIGATION

SERVICES:

- *Environmental Assessment*
- *Environmental Engineering*
- *Permitting*
- *Construction Observation*
- *Monitoring and Maintenance*

LOCATION:

Miami, Florida

CLIENT:

Ryder System, Inc.

COST:

\$118,000 (Langan fee)
\$84,000 (construction fee)

REFERENCE:

George Luostari
Ryder System, Inc.
(305) 500-4635

KEY PERSONNEL:

Gerard Coscia
Daniel Spector
Vincent Yarina
Steven Sherman
Ruben Ponciano
Roger Simon

CONTRACTOR:

N/A



Ryder contracted Langan to assess the extent of methane gas underneath the maintenance building at its facility in Doral, Florida. The facility, which Ryder bought in 2008, was built on a landfill and is required by the local regulatory agency to mitigate any health and safety hazards.

The assessment comprises installing vapor probes under the asphalt in the parking lot, under the concrete apron around the building, and under the concrete floor slab inside the building. The regulatory limit for methane is 20% of the lower explosive limit (LEL). Langan has measured concentrations up to 1,650% of the LEL outside the building and up to 64% of the LEL inside the building.

Langan completed the assessment in 2009 and a pilot test for a mitigation system in 2010. Langan then designed and permitted a methane mitigation system in 2011 and completed the construction of the system in January 2012. Langan prepared an operations and maintenance manual for the system and began quarterly monitoring of methane concentrations and system operation in February 2012.

Management Approach

Langan is committed to providing quality engineering and environmental services. We recognize that our success and our clients' success depend on the efforts of our employees and the corporate commitment to quality, technical excellence, practical experience, and responsiveness. Our objective is to ensure that the services and products provided by Langan meet the requirements of applicable regulations, codes, standards, contracts, and technical specifications, as well as client expectations.

Planning, achieving, and verifying quality are the responsibilities of managers. Producing quality work is the responsibility of the company and each Langan employee. Principals, associates, and project managers are accountable for ensuring that the work performed in their discipline, or on their project, meets or exceeds the quality standard set by the company. Work products must satisfy the quality needs of our clients. For employees to deliver a high-quality product, managers must ensure that the services and products provided to their clients, both internal and external, are fully and clearly understood by those providing the services. Managers are responsible for ensuring that adequate procedures, equipment, technologies, resources, documentation, services, and supplies are provided for the production of products that meet the standards established for acceptance.

The steps required to ensure and to document that appropriate quality processes have been implemented will vary with the deliverable and the end use of the deliverable. Consequently, staff and managers bear the responsibility for reviewing their tasks in light of company policies and procedures and for ensuring that policies and procedures appropriate to the task are applied. The intent is not to stifle productivity with unnecessary documentation and procedures, but to ensure that prudent and appropriate steps are taken and documented so that we can stipulate that our products and services are of the quality reasonably achievable relative to their intended use.

Quality Assurance/Quality Control (QA/QC) procedures are not the responsibility of one individual or group, but of all employees and subcontractors in all project-related functions. For each project, Langan will utilize a project team with varying QA/QC responsibilities to ensure that work is effectively managed and produces consistently high-quality results. It is the responsibility of project team management, which includes designated Quality Assurance staff, to ensure that QA/QC activities take place at all levels in the project organization, and that personnel associated with the project have a high level of quality control awareness and commitment.

Langan uses a Management Information System for planning, scheduling, tracking, and reporting, including MS Project, Gantt Charts, Excel spreadsheets, and web-based portals with calendar functions. We also use Deltek Vision software for budgeting, invoicing, and project cost tracking for multiple-phase projects or for projects performed for clients who require the use of such a system. These programs are updated and evaluated periodically to identify areas that may be improved. We review commercially available software and develop programs within Langan and implement upgrades in existing programs.

Langan's computer software includes, but is not limited to, design, data handling, data analysis, modeling of environmental processes and conditions, operations, or process control of environmental technology systems (including automated data acquisition and laboratory instrumentation), and databases containing environmental data.

Langan is proud that our OSHA Recordable Incident Rate has been below 1.0 for the last three years. The primary responsibility of project management is the health and safety of the Langan team. A healthy and safe work environment is not only the right of each team member, it is also a critical component of our QA/QC program – only healthy and safe team members can produce quality work.

Langan geologists, environmental engineers, hydrogeologists, hydrologists, and geophysicists provide a diverse range of services for environmental and engineering projects, including groundwater monitoring

Management Approach

compliance programs, groundwater management plans, exposure assessments, remedial investigations, remedial design, dewatering systems, product recovery, engineering geology studies, geophysical investigations, siting/feasibility studies, groundwater supply studies, aquifer tests, groundwater models, and expert testimony.

The Miami based team has been called upon by local governments and developers over the years, resulting in long-term relationships with cities and communities. Langan has forged quality relationships with South Florida-area sub-consultants, including minority and women-owned businesses, which can be called upon for to supplement Langan's expertise to assist with the projects requested by the City. Langan has long-standing working relationships with many specialty contractors, including waste disposal contractors, petroleum storage tank contractors, geophysical surveyors, public land surveyors, and remediation construction contractors. During project negotiations with the City, Langan will recommend specific contractors to meet the project objectives and discuss the qualifications of those contractors with the City.

TEAM QUALIFICATIONS

Langan's Key Personnel

Our team will be led by **Vincent D. Yarina, P.G.**, has 20 years of environmental consulting and regulatory agency experience. Mr. Yarina will serve as overall Project Manager and will be the point of contact with the City. His primary responsibilities will include negotiating scopes of work and budgets with the City, ensuring that Langan staff understand and meet each project's objectives, and providing quality assurance/quality control of Langan's work. The lead Engineer for the project will be **Gerard Coscia, P.E.**, whose specialties include remedial investigations, remediation plans, and value engineering reviews. The lead Hydrogeologist for the project will be **Daniel Spector, P.G.**, who will also serve as Assistant Project Manager. Mr. Spector will manage day-to-day operations, provide data evaluation, prepare deliverables, and negotiate with subcontractors. **Kevin DuBart, CIH** and **John Magnavita, P.E.**, will provide expertise in mold, asbestos, lead paint, and other indoor air quality (IAQ) issues and will supervise subcontractors if abatement or remediation is required. **Ruben Ponciano** will serve as supervising field geologist. He will coordinate subcontractors and supervise the field geologists to ensure data quality objectives are met and field work is done in compliance with the work plan and with FDEP Standard Operating Procedures. The team for the project will also include staff-level engineers and geologists **Roger Simon, Steven Sherman**, and **Ivan Zapata**.

Our project team is well-versed in environmental regulatory and permitting frameworks, from municipal- and county-level permitting requirements to state and federal rules and regulations governing contamination cleanup, stormwater management, underground injection control, and storage tanks.

Langan's Team Members

The largest proportion of subcontractor costs on environmental engineering projects involves analyzing soil and groundwater samples, installing monitoring wells, and disposing of waste. Therefore, Langan is pleased to include **Advanced Environmental Laboratories, Inc.**, (AEL), **Earth Tech Drilling, Inc.** (ETD), and **Raider Environmental Services** (RES) as team members. AEL is certified by the National Environmental Laboratories Accreditation Program to provide analytical services related to contamination assessment and drinking water contaminants of concern. AEL is a team member on Langan's contract with Monroe County to monitor groundwater at three landfills. ETD, a licensed water well driller, offers various drilling capabilities, including Standard Penetration Test, hollow stem auger, mud rotary, and direct-push, and will also help Langan when soil and groundwater sampling is required. RES is a licensed waste disposal contractor with whom Langan has worked on projects throughout South Florida.

**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 OFFICE
AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, Bid or Contract No. 12-005 for
General Engineering Services - Environmental Engineering

2. This sworn statement is submitted by Langan Engineering and Environmental Services, Inc.
(Name of entity submitting sworn statement)

whose business address is Parkside Corporate Center, 15150 NW 79th Court, Suite 200
Miami Lakes, FL 33016 and (if applicable) its Federal
Employer Identification Number (FEIN) is 223167382 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Vincent Yarina, PG, CEM and my relationship to
(Please print name of individual signing)

the entity named above is Senior Associate / Vice President.

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 entity 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 of 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 a 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.

The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has 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.)

Vincent D. Yarina
(Signature)
July 24, 2012
(Date)

STATE OF FLORIDA

COUNTY OF MIAMI-DADE

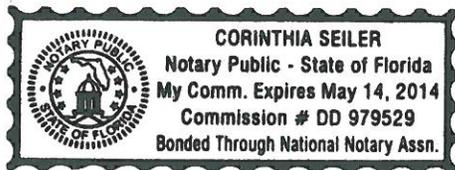
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

VINCENT D. YARINA who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 24 day of July, 2012.

My commission expires: 5/14/2014
NOTARY PUBLIC

Corinthia Seiler



EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

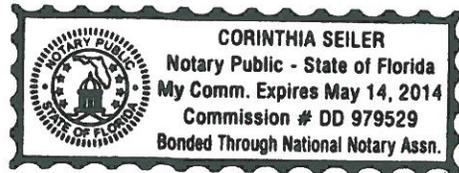
STATE OF FLORIDA)
 : SS
COUNTY OF Miami-Dade)

I, the undersigned hereby duly sworn, depose and say that the firm of Langan Engineering and Environmental Services, 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 Ordinance Sec. 2-799.

By: 

Sworn and subscribed before me this
24 day of July, 2012.


NOTARY PUBLIC, State of Florida at Large



My Commission Expires: 5/14/2014

State of Florida
Department of State

I certify from the records of this office that LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC. is a corporation organized under the laws of New Jersey, authorized to transact business in the State of Florida, qualified on March 16, 1993.

The document number of this corporation is F93000001369.

I further certify that said corporation has paid all fees due this office through December 31, 2012, that its most recent annual report was filed on January 4, 2012, and its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

Given under my hand and the Great Seal of Florida, at Tallahassee, the Capital, this the Fifth day of January, 2012



Secretary of State



Authentication ID: 800216222068-010512-F93000001369

To authenticate this certificate, visit the following site, enter this ID, and then follow the instructions displayed.
<https://efile.sunbiz.org/certauthver.html>

State of Florida

Board of Professional Engineers

Langan Engineering And Envir Srvs Inc

Is authorized under the provisions of Section 471.05, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Certificate of Authorization

EXPIRATION: 2/28/2013
AUDIT NO: 228201303142

CA. Lic. No:
6601

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AC# 6170504 **STATE OF FLORIDA**

**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS**

SEQ# L12062101460

DATE	BATCH NUMBER	LICENSE NBR
06/21/2012	118208146	GB401

The GEOLOGY BUSINESS
Named below IS CERTIFIED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2014

LANGAN ENGINEERING&ENVIRONMENTAL SERVICES, INC
RIVER DR. CENTER I
ELMWOOD PARK NJ 074070000

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

<p>MIAMI-DADE COUNTY TAX COLLECTOR 140 W. FLAGLER ST. 1st FLOOR MIAMI, FL 33130</p>	<p>2011 LOCAL BUSINESS TAX RECEIPT 2012 MIAMI-DADE COUNTY - STATE OF FLORIDA EXPIRES SEPT. 30, 2012 MUST BE DISPLAYED AT PLACE OF BUSINESS PURSUANT TO COUNTY CODE CHAPTER 8A - ART. 9 & 10</p>	<p>FIRST-CLASS U.S. POSTAGE PAID MIAMI, FL PERMIT NO. 231</p>
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THIS IS NOT A BILL - DO NOT PAY

<p>290468-9</p> <p>BUSINESS NAME / LOCATION LANGAN ENGINEERING & ENVIRONMENTAL SERVICES INC 15150 NW 79 CT 33016 MIAMI LAKES</p> <p>OWNER LANGAN ENGR & ENVIRO SVCS INC</p> <p>Sec. Type of Business 212 P.A./CORP/PARTNERSHIP/FIRM</p>	<p>RENEWAL</p> <p>RECEIPT NO. 057087-0</p> <p>STATE# EB6601</p> <p>200</p> <p>EMPLOYEE/S 1</p>
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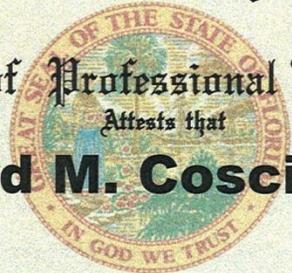
THIS IS ONLY A LOCAL BUSINESS TAX RECEIPT. IT DOES NOT PERMIT THE HOLDER TO VIOLATE ANY EXISTING REGULATORY OR ZONING LAWS OF THE COUNTY OR CITIES NOR DOES IT EXEMPT THE HOLDER FROM ANY OTHER PERMIT OR LICENSE REQUIRED BY LAW. THIS IS NOT A CERTIFICATION OF THE HOLDER'S QUALIFICATIONS.

DO NOT FORWARD

LANGAN ENGINEERING & ENVIRONMENTAL SERVICES INC
15150 NW 79 CT 200
MIAMI LAKES FL 33016

<p>PAYMENT RECEIVED MIAMI-DADE COUNTY TAX COLLECTOR:</p> <p>08/05/2011 60030000172 000045.00</p>	<p>684</p>
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SEE OTHER SIDE



State of Florida
Board of Professional Engineers
 Attests that
Gerard M. Coscia, P.E.

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
 EXPIRATION: **2/28/2013** P.E. LIC. NO: **42832**
 AUDIT NO: **228201307159**




[Main Menu](#) [Logout](#)
 Logged in as **Yarina, Vincent D**

Professional Geologist #PG2077

License Menu
 Select the function you wish to perform.
 Press "Back" to return to the main menu.

License Issued To:	YARINA, VINCENT D
License Status:	Current, Active
Originally Licensed On:	05/24/1999 (mm/dd/yyyy)
Expires On:	07/31/2014 (mm/dd/yyyy)

Functions

- [Address Change](#)
- [Print Inactive Receipt](#)
- [Remove This License From My Account](#)

Back

AC# 6116845 **STATE OF FLORIDA**

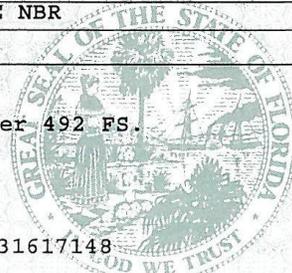
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
 BOARD OF PROFESSIONAL GEOLOGISTS

SEQ# L12050200953

DATE	BATCH NUMBER	LICENSE NBR
05/02/2012	118180403	PG1999

The PROFESSIONAL GEOLOGIST
 Named below IS LICENSED
 Under the provisions of Chapter 492 FS.
 Expiration date: JUL 31, 2014

SPECTOR, DANIEL
 421 NE 110 STREET
 MIAMI



FL 331617148

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

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AC# 6111934

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
MOLD-RELATED SERVICES LICENSING PROGRAM

SEQ# L12042700696

DATE	BATCH NUMBER	LICENSE NBR
04/27/2012	118178794	MRSA444

The MOLD ASSESSOR
Named below IS CERTIFIED
Under the provisions of Chapter 468 FS.
Expiration date: JUL 31, 2014

DUBART, KEVIN M
7928 WEST DR # 908
MIAMI

FL 33141

RICK SCOTT
GOVERNOR

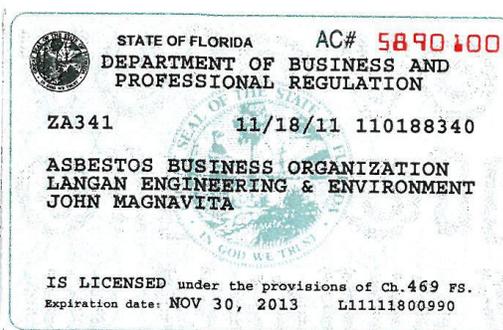
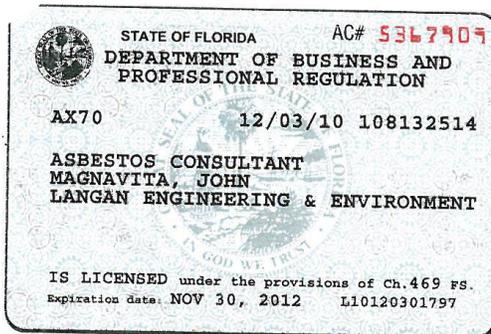
DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY



IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION: 2/28/2013
AUDIT NO: 228201323744

P.E. LIC. NO:
54826





THE CITY OF KEY WEST

3140 Flagler Ave
Key West, FL 33040

ADDENDUM NO. 1 RFQ NO. 12-005: GENERAL ENGINEERING SERVICES July 19, 2012

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

1. Page 4 lists that a firm may submit for 1 or more of 5 the categories. Please confirm that we can submit for all 5 categories in one submittal package (2 copies + cds, etc), and we do not need to submit one package for each category (ie 5 sets of packages).

Only one proposal package is to be submitted which identifies any one of, or all of the various disciplines listed in the RFQ that the Proposer is proposing services for.

2. Is submittal of an SF330 sufficient?

Use of SF330 form is not required. Proposer shall submit a complete qualifications package in a format that contains all required elements.

3. Does the city have an MBE goal?

No.

4. Are we to include subcontractors in our RFQ or can we add them based on the particular task order?

Proposers shall identify each subconsultant that they are proposing using as part of this contract. City approval would be required if Proposer wishes to make changes or adds to the list of subconsultants once contract is issued. The qualifications of all members of a Proposer's team will be considered in the selection process.

5. On page 6 of the RFQ, License Requirements, it states that the winning respondent will also be required to obtain and maintain a City of Key West Business Tax Receipt. Could you please clarify if this means that the winning firm must have an office location in Key West?

Firms selected as part of this contract are not required to maintain an office in Key West.

6. Public Entity Crimes Certification was identified as being three (3) pages in length.

Public Entity Crimes Certification is two (2) pages in length

7. Under the Submission Details section on page 5 reference is made to “Architect firms should submit a complete qualifications package that includes:”

This should read “Engineering firms should submit a complete qualifications package that includes:”

8. Is a page limit for the submission information listed on page 5?

No. However firms should limit their proposals to a reasonable number of pages.

9. Who are the current contract holders?

The City does not track this information. Proposer can contact DemandStar by Onvia at www.demandstar.com/supplier or call toll-free 1-800-711-1712.

10. How much was spent under the current contract, and on what kind of projects?

This information is unavailable. Proposers are reminded that no minimum amount of service or compensation will be assured to the retained firm(s).

11. The existing language under Qualifications Criteria:

“Other certifications including LEED and LAP (Federal DOT) certified staff professionals”

Shall be modified to read:

“Other certifications including LEED and FDOT certified staff professionals”

12. Please clarify the submittal requirements for “Past five (5) years of specific relevant experience” under the Submission Detail section.

The existing language

Past five (5) years of specific relevant experience. The examples should include the name of client, client’s representative, client’s address and telephone number, key personnel involved in design phase services, design services fee, estimate of construction cost, name of contractor awarded project contract award amount, contractor’s representative, contractor’s address and telephone number.

Shall be modified to read:

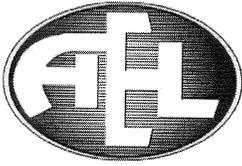
Past five (5) years of specific relevant experience. The examples should include the project description, name of client, client's contact and telephone number, design services fee, identify if project was constructed or not and project cost, name of contractor awarded project, and contractor's representative and telephone number.

All Proposers shall acknowledge receipt and acceptance of this Addendum No. 1 by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.


Signature

Langan Engineering and Environmental Services, Inc.

Name of Business

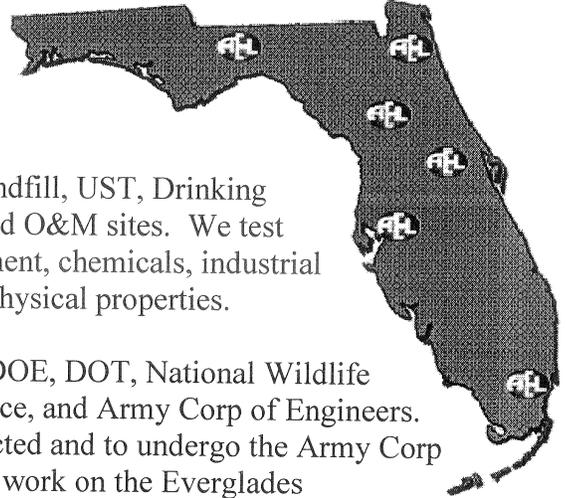


Advanced
Environmental Laboratories, Inc.

Testing Samples from:

Surface Water, Drinking Water, Wastewater,
Groundwater, Soil, Sediment, Chemicals,
Industrial Waste, and Hazardous Waste

Advanced Environmental Laboratories, Inc. (AEL) is a NELAP certified, full-service laboratory firm, headquartered in Jacksonville, Florida, with additional operations in Altamonte Springs, Gainesville, **Miramar**, Tallahassee, and Tampa. We specialize in providing quality data, personalized service, and quick turnaround times for our clients.



Our project experience includes RCRA, CERCLA, Landfill, UST, Drinking Water, Wastewater, Property Transfer, remediation, and O&M sites. We test surface water, drinking water, groundwater, soil, sediment, chemicals, industrial waste and hazardous waste for chemical makeup and physical properties.

For Federal clients include the US EPA, FAA, DOD, DOE, DOT, National Wildlife Research Center, National Park Service, Navy, Air Force, and Army Corp of Engineers. AEL also was the very first lab in the nation to be selected and to undergo the Army Corp of Engineers audit/approval/review process to perform work on the Everglades Restoration Program. And AEL was awarded and holds a standing GSA contract with the Federal government allowing it to work for any Federal government agency.

AEL does approximately \$4,000,000 a year worth of work for some 100 cities, counties, and State of Florida agencies, with the great bulk of that work being testing and sampling of drinking water, wastewater, and monitoring wells. This does not include all the work performed for such clients through consulting and engineering firms.

Our Commercial client list includes national consulting firms and industrial work to include Anheuser-Busch, Wal-Mart, Office Depot, Home Depot, Georgia Pacific, Yuengling, Safety Kleen, and Coca-Cola. Work is often high profile, extremely time sensitive, and specific projects can be very confidential. AEL typically does close to \$5,000,000 annually for consulting and industrial clients across Florida.

Other commercial work includes over \$1,500,000 a year worth of testing for private drinking water and wastewater providers across the State at literally hundreds of individual plants. AEL has been told by State representatives that its laboratory is one of, if not the largest private labs in the State for drinking water and wastewater, (for instance, AEL performs in the neighborhood of 80,000-90,000 coliform samples a year for various clients). Total sales of are over \$9,000,000 annually.

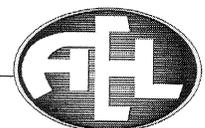
~ Special Services ~

Customized Kits: For select projects, AEL can provide kits with pre-printed labels and packaged by sampling point. All you have to do is fill all the bottles in a set and notate the sampler name and date/time information. Helps reduce field headaches.

Fast Turnaround: Our standard turnaround on environmental work is five working days. For drinking water and wastewater it is ten days. As we see it, this enables you to

Dependable Service ~ Uncompromising Quality

10200 USA Today Way, Miramar, FL 33025 954 889-2288, FAX 954-889-2281



perform your job better and quicker. We can also provide rush turnaround delivery for most parameters – but please call to schedule this in advance (if you are rushing it, it must be important – so we want to make sure we have the capacity to deliver it on time).

Electronic Deliverables: We can provide your final report via e-mail with an electronic signature and scanned chain-of-custody. If you are developing a database for projects, AEL can provide your results in several electronic data deliverable (EDD) formats including ADaPT. EDDs can be Excel spreadsheets or your own custom format.

SELECT AEL: The most difficult part of reviewing laboratory data is comparing it to regulatory limits. The process is tedious and time consuming. We developed our proprietary data management system (SELECT AEL) to help speed up your ability to review laboratory data. What used to take hours now takes minutes. AEL provides *SELECT AEL* free to qualified clients.

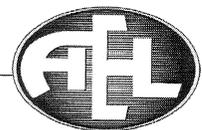
Field Services: AEL has experienced field sampling technicians equipped with all the necessary tools to complete most any sampling event. We also have working relationships with several consulting/engineering firms with locations around the nation – and have teamed with them on projects as far away as California.

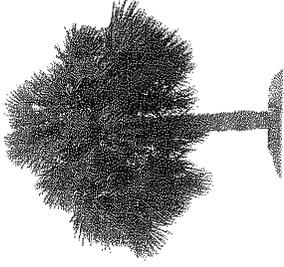
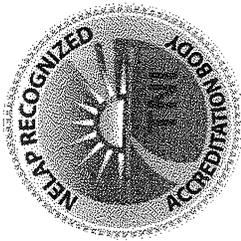
Contact Information

POC: Rhonda Moll
Address: 10200 USA Today Way
Miramar, FL 33025
E-mail: rmoll@aellab.com
Web Site: www.aellab.com
Phone: 954 593 2395

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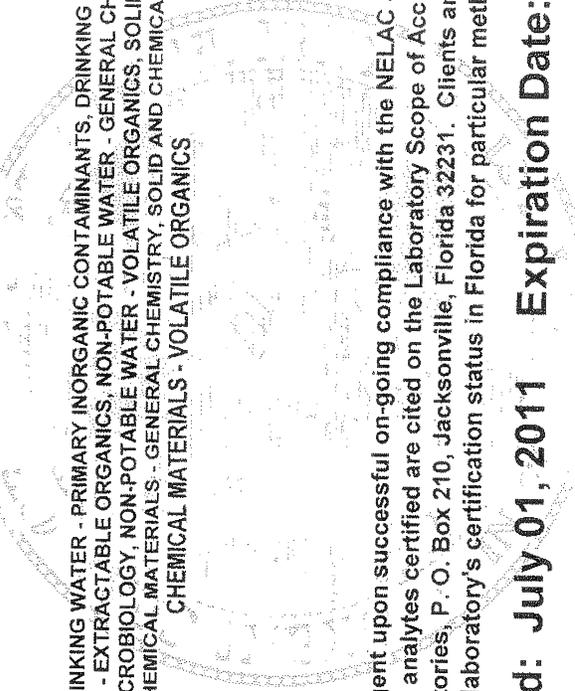


State of Florida
 Department of Health, Bureau of Laboratories
 This is to certify that
 E82535

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 - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, 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 - VOLATILE ORGANICS



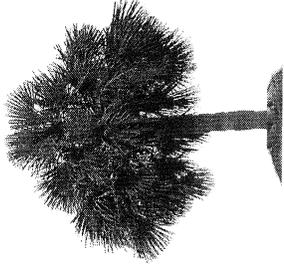
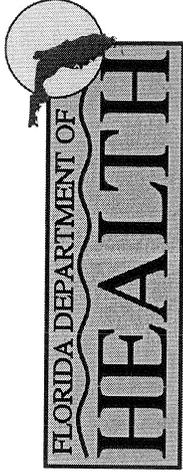
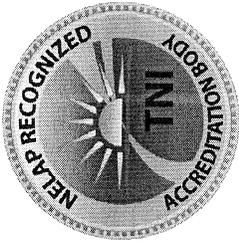
Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Laboratories, P. O. Box 210, 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, 2011 Expiration Date: June 30, 2012



Max Salfinger, M.D.

Max Salfinger, M.D.
 Chief, Bureau of Laboratories
 Florida Department of Health
 DH Form 1697, 7/04
 NON-TRANSFERABLE E82535-44-07/01/2011
 Supersedes all previously issued certificates



State of Florida
 Department of Health, Bureau of Laboratories
 This is to certify that
 E82574

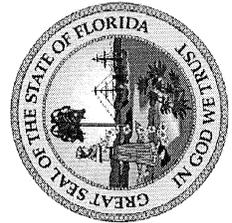
ADVANCED ENVIRONMENTAL LABORATORIES, INC.
 6601 SOUTHPOINT PARKWAY
 JACKSONVILLE, FL 32216

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

DRINKING WATER - GROUP I UNREGULATED CONTAMINANTS, DRINKING WATER - GROUP II UNREGULATED CONTAMINANTS, DRINKING WATER - MICROBIOLOGY, DRINKING WATER - OTHER REGULATED CONTAMINANTS, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, DRINKING WATER - RADIOCHEMISTRY, DRINKING WATER - SYNTHETIC ORGANIC CONTAMINANTS, NON-POTABLE WATER - EXTRACTABLE ORGANICS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, NON-POTABLE WATER - PESTICIDES-HERBICIDES-PCBS, 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-PCBS, 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 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, 2011 Expiration Date: June 30, 2012



Max Salfinger

Max Salfinger, M.D.
 Chief, Bureau of Laboratories
 Florida Department of Health
 DH Form 1697, 7/04
 NON-TRANSFERABLE E82574-30-07/01/2011
 Supersedes all previously issued certificates

EARTH TECH DRILLING

19263 Redberry Court, Boca Raton FL 33498

Tel: 954 974 2424 Fax: 954 974 2423

KEY PERSONNEL

Robert Orlando, President and Chief Operating Officer:

Bob co-founded Earth Tech Drilling in 2002 and brought more than 30 years of experience in business development. His focus is building and maintaining key client relationships and overall management of the company.

Paul Lemenze, Senior Project Manager:

Paul has more than 24 years experience in the environmental/geotechnical drilling field as well as multiple types of drilling projects, services, field supervision and quality assurance. His accomplishments include many high profile projects throughout the State of Florida and the Caribbean. Has advanced expertise in solving multifaceted complexities ranging from difficult access logistics to environmental sensitivities and problematic drilling risks. As a result, he is sought after by many of our high profile clients. He also is responsible for monitoring equipment maintenance, health/safety management and crew supervision. State of Florida Water Well Contractor's License #11022. API certified, LPS training, OSHA 40 Hr/8 Hr Training. Class B CDL

Michael Orlando, Senior Drilling Manager:

Michael founded Earth Tech Drilling in 2002 and has 12 years of experience in the environmental/geotechnical drilling field as well as multiple types of drilling projects, services, field supervision and quality assurance. He brings an extensive record of successes identifying process, training and technology improvements that deliver measurable results in cost control, environmental protection, risk mitigation and well protection. His accomplishments include many high profile projects throughout the State of Florida. He also is responsible for equipment maintenance, safety management and crew supervision. State of Florida Water Well Contractor's License #11225. API certified, LPS training, OSHA 40 Hr/8 Hr Training. Class B CDL.

Jason Oliver, Drilling Supervisor

Jason has more than 5 years experience in the environmental drilling field. He also has several years of related construction industry experience. Experience in excavation of soil and preparation of tooling for drilling process. API certified, LPS training, OSHA 40 Hr/8 Hr Training. Class B CDL

Sean Farnum, Driller:

Sean has more than 10 years of experience in the environmental drilling field as well as multiple types of drilling projects, services and field supervision. He is also responsible for equipment maintenance and crew supervision. API certified, LPS training, OSHA 40 Hr/8 Hr Training. Class B CDL.

Carl Egeberg, Driller:

Sean has more than 3 years experience in the environmental drilling field. He also has several years of related construction industry experience. Experience in excavation of soil and preparation of tooling for drilling process. API certified, LPS training, OSHA 40 Hr/8 Hr. Training. Class B CDL.

Marco Ruiz, Drilling Assistant:

Marco brings with him 8 years experience in the environmental drilling field as well as several years of related construction industry experience. Experience in preparation and organization of tools for various drilling procedures, warehouse management, equipment maintenance and inventory control. API certified, LPS training, OSHA 40 Hr/8 Hr Training. Class A CDL.

Shawn Rivera, Drilling Assistant:

Sean has more than 3 years experience in the environmental drilling field. He also has several years of related construction industry experience. Experience in excavation of soil and preparation of tooling for drilling process. API certified, LPS training, OSHA 40 Hr/8 Hr Training. Class A CDL.

EARTH TECH DRILLING

2703 NW 19th Street, Pompano Beach, FL 33069

Tel: 954 974 2424 Fax: 954 974 2423

Corporate Profile:

Earth Tech Drilling is a Florida small business corporation founded in April 2002. Our two senior managers have over 30 years of combined hands-on experience. ETD provides high quality, cost effective environmental and geotechnical drilling services for the installation of monitoring wells, remediation wells (Sparge and Vapor), injection wells, recovery wells and SPT soil borings to private clients for State and Federal agencies. ETD maintains in-house Two Mobile® B-57's, a B-59, 2007 B-37 Track Rig/Auger/Direct Push Rig, Cat® 248 Skid Steer with Low Clearance Drill Rig and two GeoProbe® Direct Push Rigs (track and truck mounted). Our state of the art equipment is purchased new and maintained to minimize lost time for repair. A well-maintained inventory of equipment and supplies insures that ETD can do the job that is required with the proper tools in a minimum amount of time.

ETD specializes in environmental drilling projects. All of our personnel understand the importance of decontamination procedures and have performed them under strict oversight of FDEP and the EPA. ETD takes the time to discuss the particular safety concerns and conditions of each site and is always ready to modify a procedure to fit our client's specifications. ETD personal have experience drilling on a wide variety of contaminated sites ranging from Superfund sites, RCRA to Petroleum sites. We also perform geotechnical services such as SPT Soil borings, Auger borings and infiltration/perc tests.

ETD has extensive experience in auger and rotary drilling projects, as well as rock coring, standard penetration tests (SPT) and various methods of aquifer testing. ETD's capabilities range from ½" to 8" diameter wells up to 200' deep, assuring the highest level of quality and expertise in the design of wells. The types of wells include: UST compliance wells, groundwater contamination assessment monitoring wells, groundwater remediation wells (recovery, sparge and vapor) and saltwater intrusion monitoring wells. In addition, ETD also has capabilities of drilling under canopies, inside buildings and other miscellaneous low clearance obstacles as lows as 9' 6" (114").

All monitor wells are installed in accordance with Federal and State regulations utilizing a combination of PVC, stainless steel, bentonite and concrete materials that are appropriate to the site and to the substances for which sampling will be performed. Shallow wells are developed by surge block during initial phases and pumping in final stages while deep wells are developed by over-pumping and air.

Our number one priority at ETD is SAFETY. We place equal emphasis on safety, health and the environment while providing drilling services. All ETD field personnel are 40 hour OSHA trained, LPS and API certified and abide by the site-specific Health & Safety plans in effect. ETD also conducts biweekly safety meetings and offers a drug free work place. Our staff includes licensed Water Well Contractors, Drilling Supervisors, Health/Safety Supervisors and CDL drivers. ETD has made a commitment to quality with professional personnel and the newest technology available. ETD's drillers are continually developing innovative solutions and monitoring new technologies to satisfy the drilling needs of our clients in the most cost-effective manner. Finally, in addition to all applicable insurance requirements, ETD also maintains \$5,000,000 of Professional Liability (E&O), \$5,000,000 of General Liability and Pollution Liability insurance as proof of our commitment to satisfactorily complete all drilling projects.

EARTH TECH DRILLING

19263 Redberry Court, Boca Raton FL 33498

Tel: 954 974 2424 Fax: 954 974 2423

Project List:

The following is a partial list of high profile completed projects for Earth Tech Drilling:

Miami International Airport: Installed 100 monitoring wells for the purpose of monitoring and remediation in both active runways and other areas.

St. Lucie Nuclear Plant: Drilling of geotechnical borings for geotechnical analysis and installation of inclinometers.

South Florida Water Management District, Station 1E, Palm Beach County: Installation of monitoring wells and deep soil borings (150 feet) with rock coring.

Marquis, 1100 Biscayne Blvd., Miami, FL: Drilling of deep soil borings (200 feet) with rock coring for geotechnical study for foundation design of high rise building (110 stories).

Former Kerr-McGee Petroleum Terminal, Jacksonville, FL: Installed 84 remediation wells including dual-extraction, vapor extraction and air-sparging.

FDEP Mapp Road Site, Palm City, FL: Installed monitor wells and well clusters at various depths (between 15 and 80 feet) including continuous split spoon samples as part of an ongoing contamination assessment.

USACE Avon Park Air Force Bombing Range: Installed 43 monitor wells at various munitions burial sites located throughout the bombing range. Continuous split spoon samples collected at each well location.

STATE OF FLORIDA
WATER WELL CONTRACTOR LICENSE
Issued to



MICHAEL ORLANDO

License No. 11225 Expires 7/31/2013

Paula Maria Sperchio
DISTRICT CERTIFICATION OFFICER

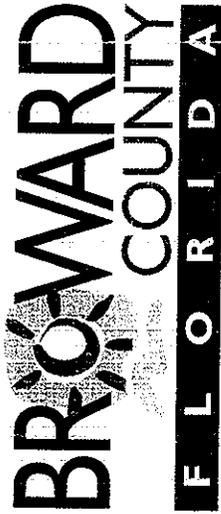
STATE OF FLORIDA
WATER WELL CONTRACTOR LICENSE
Issued to



PAUL E. LEMENZE

License No. 11022 Expires 7/31/2013

Paula Maria Sperchio
DISTRICT CERTIFICATION OFFICER



Governmental Center Annex
115 S. Andrews Avenue, Room A640 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-6010

Small Business
Development Division

This Certificate is Awarded to:
EARTH TECH DRILLING, INC.

The requirements have been met for certification for: **Small Business Enterprise**

As set forth in the Business Opportunity Act of 2004 and/or the County Business Enterprise Act of 2009, The Small Business Development Division must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

BC-SBE- Certificate Expires: 11/12/2012

A handwritten signature in black ink, appearing to read "Alfonse", written over a horizontal line.

Small Business Development Division

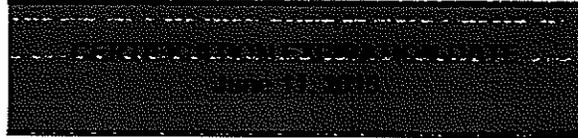
Broward County Board of County Commissioners
Josephus Eggeleton, Jr. • Sue Gunzburger • Kristin D. Jacobs • Ken Keechl • Ilene Lieberman • Stacy Ritter
John E. Rodstrom, Jr. • Diana Wasserman-Rubin • Lois Wexler
www.broward.org/smallbusiness



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

REGISTERED VENDOR NO.:106465

June 11, 2012



Mr. Robert Orlando
Earth Tech Drilling Inc.
dba Earth Tech Drilling
2703 NW 19th Street
Pompano Beach, FL 33069

Dear Mr. Orlando:

Congratulations, the South Florida Water Management District (District) has certified your firm as a Small Business Enterprise (SBE). This certification is valid for three (3) years and may **only** be applied when business is conducted in the following area(s):

Well Water Contracting Services

Your submittal of bids or proposals to supply other products or services outside of the specialty area(s) noted above will not count toward SBE participation. If you require certification in other specialty areas, please contact the Procurement Bureau, SBE Section, for additional information.

Renewal is required every three (3) years and should be requested a minimum of 45 days prior to the above expiration date.

If any changes occur within your company during the certification period such as ownership, affiliate company status, address, telephone number, licensing status, gross revenue, or any information that relates to your SBE Certification status, you must notify this office in writing immediately. It is imperative that we maintain current information on your company at all times. **FAILURE TO REPORT CHANGES MAY RESULT IN DECERTIFICATION.**

Certification is not a guarantee that your firm will receive work, nor an assurance that your firm will remain in the District's vendor database.

We look forward to a mutually beneficial working relationship.

Sincerely,

A handwritten signature in cursive script that reads "Colleen M. Robbs".

Colleen M. Robbs
Sr. Compliance Specialist
Procurement Bureau

/cr



miamidade.gov

Permitting, Environment and Regulatory Affairs

Environmental Services
 701 NW 1st Court • 7th Floor
 Miami, Florida 33136-3912
 T 305-372-6600 F 305-372-6893

PERMIT NO: IWP-000432-2012/2013 (P)-GEN_SHELL1
 RAIDER ENVIRONMENTAL SERVICES, INC.
 4103 NW 132 ST
 OPA LOCKA, FL 33054-

PERMITTEE:

Mr Steve Obst
 RAIDER ENVIRONMENTAL SERVICES, INC
 4103 NW 132 ST
 OPA LOCKA, FL 33054-

INDUSTRIAL WASTE PRETREATMENT ANNUAL OPERATING PERMIT

DESCRIPTION OF FACILITY/EQUIPMENT

This document, issued under the provisions of Chapter 24, Miami-Dade County Environmental Protection Ordinance, shall be valid from 01-JUN-2012 through 31-MAY-2013. The above named permittee, is hereby authorized to operate the pollution control facility at the above location which consists of the following:

A 20,000 GPD Centralized Waste Treatment facility [40 CFR 437 Subpart D] for Metals, Oils and Organic wastewaters with A] TANKER-TRUCK OFFLOADS STORAGE consisting of: 1) Four (4) outdoor 35,000 gal. equalization tanks (T-1, T-2, T-3 & T-4 all within secondary containment) with transfer pumps and one (1) control panel with pH metering. B] VAC-TRUCK OFFLOADS STORAGE consisting of: 1) One (1) SWECCO shaker screen (indoors); 2) Oil/water separator and used oil collection tanks (10'-5" x 10'-0" x 6'-0") with submersible pumps (indoors); 3) One (1) outdoors 24,000 gallon (total combined volume) double-compartment tank (T-8 & T-9 within secondary containment) with heat induction system for the separation of hydrocarbons. C] One (1) outdoor 20,000 gal. equalization tank (T-5 within secondary containment) for the storage of effluent from tanks T-1, T-2, T-3, T-4, T-8, T-9 and o/w separator (as described in B-2) prior to treatment through a dissolved air flotation system (DAF).

D] BATCH PRETREATMENT SYSTEM consisting of: 1) One (1) 200 gpm DAF unit with Coagulant, Flocculant and Slurry injection to influent line via transfer pumps as per plans; 2) One (1) indoor 1,000 gal. holding tank connected to one (1) outdoor 20,000 gal. "process water" holding tank (T-6) via one (1) transfer pump for effluent storage as per plans; 3) One (1) Air Stripping and Carbon Polishing system (used as necessary) with effluent to an outdoor 20,000 gal. "final effluent" holding tank (T-7 within secondary containment); 4) effluent from T-7 tank to be batch discharged. E] Effluent line from (T-7) tank with: 1) One (1) sampling point at spigot; 2) One (1) class-2 master meter model 15-IBM-AAA2 prior to discharges to sanitary sewers as per approved plans. F] SLUDGE MANAGEMENT consisting of: 1) One (1) indoor 2,800 gal. sludge holding tank (T-10) connected to two (2) diaphragm pumps; 2) One (1) filter press; 3) Sludge cake sent off-site for disposal and effluent transferred back to treatment system as per plans. G] SLUG DISCHARGE CONTROL PLAN as approved by the Department.

This facility is subject to conditions listed below and in the following pages (if any) of this permit.

SPECIFIC CONDITIONS

1. Operations to be conducted in accordance with the Spill Prevention Control Countermeasure (SPCC) Plan as submitted and approved by this Department.
2. Permittee shall be responsible for immediate notification of oil or hazardous materials discharges. Agencies to be contacted include the U.S. Environmental Protection Agency (EPA), Region IV, phone (404) 881-4062 or National Response Center, (800) 424-8802 and this Department, (305) 372-6789.
3. Secondary containment facilities must be inspected daily. Stormwater drainage valves must only be opened to discharge rain water and remain closed at all other times to avoid a by-pass of the

Miami-Dade County
 Department of Permitting, Environment and Regulatory Affairs

Hardeep Anand
 Hardeep Anand, P.E.

containment system. Any leaks and/or failures of the containment system must be immediately reported to DERM at (305) 372-6789.

4. Permittee must submit, by the 15th day of December, proof of calibration for the flowmeter conducted by a factory authorized representative.
5. Facility must provide a periodic certification statement by June 15th of every year as required by 40 CFR 437.41(b), and maintained on-site corresponding paperwork as required in 437.41(c), Federal Pretreatment Regulations.
6. Facility shall test for total cyanide (EPA method 335.4) in all incoming metal bearing wastes to comply with 40 CFR 437.4(b)(3) prior to treatment and/or commingling with other in-plant wastes. Sampling records of all tests shall be maintained on-site and made available to DERM personnel upon request.
7. The Sampling Point(s) must be clearly marked and labelled in facility.
8. Federal and State pretreatment standards as promulgated under Section 307 of the Clean Water Act and Chapter 62.625 of the Florida Administrative Code (FAC) are incorporated into this permit, specifically 40 CFR 437.47(b). Your facility must comply with these regulations in addition to the County regulations.
9. The equipment, processes and operations must be properly maintained and operated in accordance with the approved plans, design and processes. If at any time these facilities are found to be performing inadequately, the owner must provide improvements to the operating techniques and/or additional equipment to operate in compliance with the applicable regulations.
10. The facility shall notify the Department immediately of all discharges that could cause problems to the sewer collection and/or treatment system, including any slug loadings, as defined by 40 CFR 403.8(f)(2)(vi), Federal Pretreatment Regulations. A written report must be submitted within five (5) days with the required information. Additionally the facility must notify the Department in advance of any substantial change in the volume (10% or more) or character of pollutants in their discharge, including listed or characteristic hazardous wastes. Moreover, no bypasses of treatment facilities are allowed except as outlined in the General Conditions and as permitted under Section 24-42.5 of the Code of Miami-Dade County and in accordance with Federal Regulations.
11. Pursuant to Chapter 24-20 of the Code of Miami Dade County, abnormal occurrences at the facility, with the exception of slug discharges as defined in Chapter 24-42.4 (1) (j), shall be reported to this Department (305-372-6955) no later than four (4) hours after the occurrence and a written report submitted within fourteen (14) days describing the nature of the incident and the steps taken to prevent future occurrences.
12. A Self Monitoring Report of Operations (SMR) shall be submitted to PERA in accordance with the MONITORING REQUIREMENTS, REGULATED POLLUTANTS and MONITORING PROGRAM instructions specified elsewhere in this permit. The SMR shall be submitted on or before the 15th day of the month following the applicable reporting period along with the Industrial Waste Self Monitoring Report Form provided by PERA and hereby attached to this permit. All correspondence must be forwarded to: Department of Permitting, Environment and Regulatory Affairs, Environmental Evaluation and Compliance Section -7th Floor, 701 NW 1st Court, Miami, FL, 33136. Note that analytical values submitted with the SMR shall not exceed the limits specified in the REGULATED POLLUTANTS section of this permit.
13. Hazardous Waste, as defined in Section 24-5 of the Code of Miami-Dade County, shall not be discharged to the sanitary sewers.
14. Hazardous waste, sludge and other industrial wastes and/or wastewater must be transported by PERA approved transporters and reported with your Self Monitoring Report of Operations. Analytical data must be submitted to PERA for all wastewater that is disposed of locally. Failure to gain approval from PERA, for disposal, may result in rejection of your wastewater at the disposal facility.
15. Upon closure of this facility, the permittee is responsible for the implementation of a closure plan in accordance with the enclosed guidelines.

GENERAL CONDITIONS

16. The applicant, by acceptance of this document, agrees to operate and maintain the subject operation so as to comply with the requirements of Chapter 24 of the Code of Miami-Dade County.
17. If for any reason, the applicant does not comply with or will be unable to comply with any condition or limitation specified on this document the applicant shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps taken to reduce, eliminate, and prevent recurrence of the non-compliance. The applicant shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this document.



Permitting, Environment and Regulatory Affairs

Environmental Services
 761 NW 1st Court • 7th Floor
 Miami, Florida 33136-3912
 T 305-372-6600 F 305-372-6893

miamidade.gov

PERMIT NO: IWP-000432-2012/2013 (P)

RAIDER ENVIRONMENTAL SERVICES, INC.

PERMITTEE:

Mr Steve Obst

RAIDER ENVIRONMENTAL SERVICES, INC

4103 NW 132 ST

OPA LOCKA FL, 33054-

18. As provided in Section 24-15 of the Code of Miami-Dade County, the prior written approval of the Department of Permitting, Environment and Regulatory Affairs shall be obtained for any alteration to this facility.
19. The issuance of this document does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. Nor does it relieve the applicant from liability for harm or injury to human health or welfare or property.
20. This document is required to be posted in a conspicuous location at the facility site during the entire period of operation.
21. This document is not transferable. Upon sale or legal transfer of the property or facility covered by this document, the applicant shall notify the department within thirty(30) days. The new owner must apply for a permit within thirty (30) days. The applicant shall be liable for any non-compliance of the source until the transferee applies for and receives a transfer of this document.
22. The applicant, by acceptance of this document, specifically agrees to allow access to the named source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this document and department rules.
23. This document does not indicate a waiver of or approval of any other department permit that may be required for other aspects of this facility.
24. This document does not constitute an approval by PERA or certification that the applicant is in compliance with applicable laws, ordinances, rules or regulations. The applicant acknowledges that separate enforcement actions may be initiated by PERA and that this document does not constitute compliance with orders issued in conjunction with enforcement actions for correction of violations.
25. Failure to comply with any condition of this document, or the requirements of Chapter 24, Code of Miami-Dade County may subject the applicant to the penalty provisions of said Chapter including civil penalties up to \$25,000 per day per offense and/or criminal penalties of \$500 per day or not less than \$1000 per day for violations of Section 24-42.4, Sanitary Sewer Discharge Limitations and Pretreatment Standards and/or sixty (60) days in jail.

PERMIT NO: LW-000649-2012/2013 (ST)-ST
RAIDER ENVIRONMENTAL SERVICES, INC
4103 NW 132 ST
OPA LOCKA, FL 33054-

PERMITTEE:

Mr. Steve Obst
RAIDER ENVIRONMENTAL SERVICES, INC
4103 NW 132 ST
OPA LOCKA, FL 33054-

**LIQUID WASTE TRANSPORTERS
ANNUAL OPERATING PERMIT****DESCRIPTION OF FACILITY/EQUIPMENT**

This document, issued under the provisions of Chapter 24, Miami-Dade County Code (Dade County Environmental Protection Ordinance), shall be valid from April 01, 2012 through March 31, 2013. The above named permittee, is hereby authorized to operate as a Liquid Waste Transportation business from the above location, and with the equipment bearing the 10 identifying sticker(s) included with this permit.

This facility is subject to conditions listed below and in the following pages (if any) of this permit.

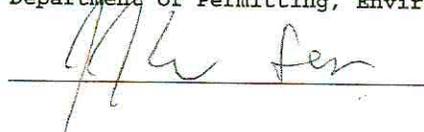
SPECIFIC CONDITIONS

1. Correctly completed monthly reporting forms and corresponding fees are required to be submitted to PERA on/or before the 10th of the following month.
2. No waste other than residential septic tank, restaurant grease trap and PERA approved industrial waste waters shall be transported under this permit.
3. No waste from an industrial facility or industrial holding tank shall be pumped out unless previous approval is obtained from PERA. All approved industrial waste waters transported shall be listed separately on the Liquid Waste Transporters Monthly Report, detailing name of source, address, date, amount of waste, and location of disposal.
4. No hazardous waste shall be transported under this permit.
5. All waste transportation equipment shall be maintained in good working order at all times. Valves, hoses, tanks, etc., shall be properly maintained and shall not leak.
6. All waste material shall be deposited (dumped) at an approved disposal site. The only approved disposal sites in Miami-Dade County are: Virginia Key and Black Point sewage treatment plants.
7. No waste shall be deposited at any other site or structure in Miami-Dade County.

GENERAL CONDITIONS

8. The applicant, by acceptance of this document, agrees to operate and maintain the subject operation so as to comply with the requirements of Chapter 24 of the Code of Miami-Dade County.
9. If for any reason, the applicant does not comply with or will be unable to comply with any condition or limitation specified on this document the applicant shall immediately notify and provide the department with the following information: (a) a description of and cause of non-compliance; and (b) the period of non-compliance including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps taken to reduce, eliminate, and prevent recurrence of the non-compliance. The applicant shall be

Miami-Dade County
Department of Permitting, Environment and Regulatory Affairs



responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this document.

10. As provided in Section 24-15 of the Code of Miami-Dade County, the prior written approval of the Department of Permitting, Environment and Regulatory Affairs shall be obtained for any alteration to this facility.
11. The issuance of this document does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. Nor does it relieve the applicant from liability for harm or injury to human health or welfare or property.
12. This document is required to be posted in a conspicuous location at the facility site during the entire period of operation.
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15. This document does not indicate a waiver of or approval of any other department permit that may be required for other aspects of this facility.
16. This document does not constitute an approval by PERA or certification that the applicant is in compliance with applicable laws, ordinances, rules or regulations. The applicant acknowledges that separate enforcement actions may be initiated by PERA and that this document does not constitute compliance with orders issued in conjunction with enforcement actions for correction of violations.
17. Failure to comply with any condition of this document, or the requirements of Chapter 24, Code of Miami-Dade County may subject the applicant to the penalty provisions of said Chapter including civil penalties up to \$25,000 per day per offense and/or criminal penalties of \$500 per day or not less than \$1000 per day for violations of Section 24-42.4, Sanitary Sewer Discharge Limitations and Pretreatment Standards and/or sixty (60) days in jail.

STEVE OBST
RAIDER ENVIRONMENTAL SERVICES, INC.
4103 NW 132 STREET
OPA-LOCKA , FL 33054

The bottom portion of this letter is your company's permit to conduct private business on the premises of the Port of Miami. This permit is valid only for the type of operation indicated and will remain in effect through the year ending 02/11/2013. Permit renewals not received by the expiration date shall be canceled, and the initial processing fee and annual fee shall be required for reinstatement.

We want to take this opportunity to welcome your company to the Port of Miami list of approved vendors and to let you know that we appreciate the service you are providing.

Please call us if you should have any questions about your permit.
Thank you.

THIS IS NOT AN INVOICE

Director Approval Date: 11/13/2011 By: RMAU

PERMIT TO CONDUCT BUSINESS ON PORT OF MIAMI PROPERTY



MIAMI-DADE COUNTY
SEAPORT DEPARTMENT

Date issued 11/13/2011
For year ending 02/11/2013

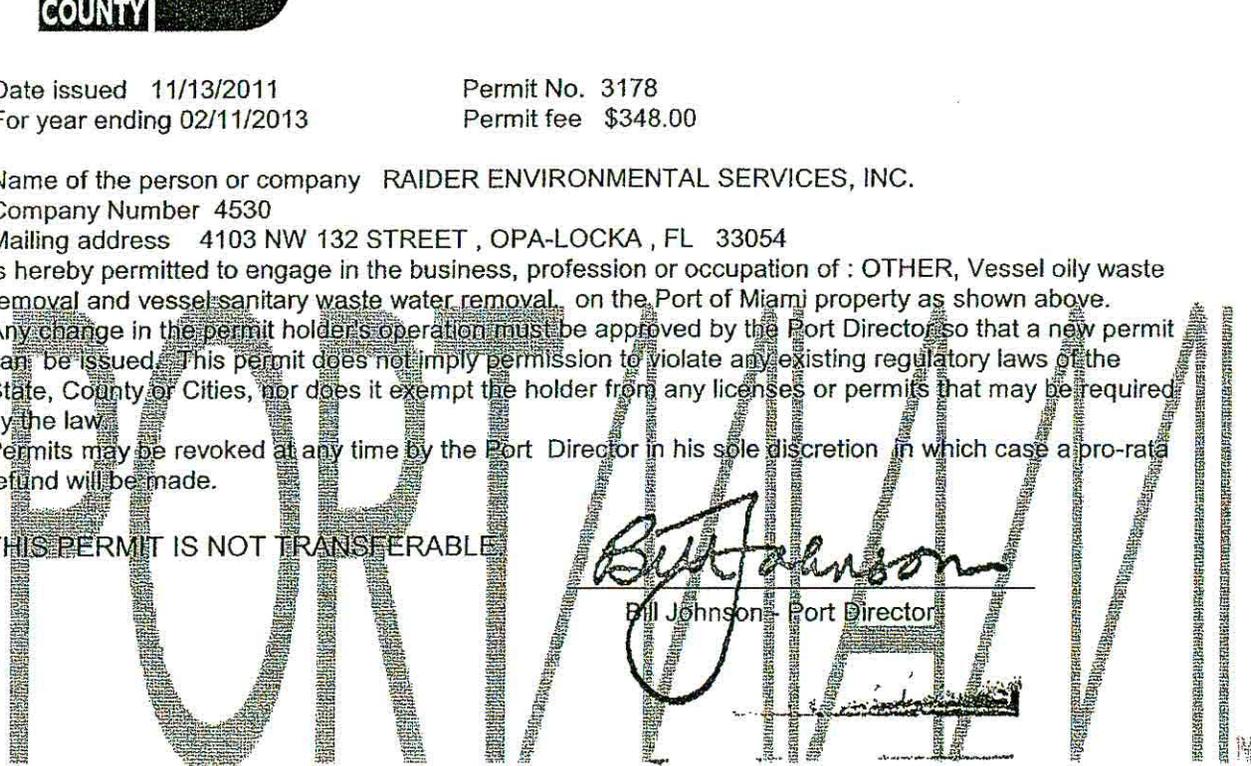
Permit No. 3178
Permit fee \$348.00

Name of the person or company RAIDER ENVIRONMENTAL SERVICES, INC.
Company Number 4530
Mailing address 4103 NW 132 STREET , OPA-LOCKA , FL 33054

is hereby permitted to engage in the business, profession or occupation of : OTHER, Vessel oily waste removal and vessel sanitary waste water removal, on the Port of Miami property as shown above. Any change in the permit holder's operation must be approved by the Port Director so that a new permit can be issued. This permit does not imply permission to violate any existing regulatory laws of the State, County or Cities, nor does it exempt the holder from any licenses or permits that may be required by the law. Permits may be revoked at any time by the Port Director in his sole discretion in which case a pro-rata refund will be made.

THIS PERMIT IS NOT TRANSFERABLE

Bill Johnson - Port Director





PERMIT

Below is the Annual Operating Permit issued by the
Miami-Dade Fire Rescue Department.
Should you have any questions regarding this
permit, please contact the Fire Prevention Division
at (786) 331-4800

PERMIT#: 09126-08598

RAIDER ENVIRONMENTAL SERVICES (OFFICE)
4103 NW 132ND ST
OPA-LOCKA, FL 33054

(Please cut along dotted line and post permit in your place of business)



PERMIT CERTIFICATE

MIAMI-DADE FIRE RESCUE DEPARTMENT
ANNUAL OPERATING PERMIT
9300 NW 41 STREET
MIAMI, FLORIDA 33178
(786) 331-4800



PERMIT #: 09126-08598

**PERMIT EXPIRES LAST
DAY IN THE MONTH OF: 10/29/2012**

Business Name:

RAIDER ENVIRONMENTAL SERVICES (OFFICE)
Business/Business Offices

Business Owner / Rep:

JP BLUTEAU

Billing Address:

4103 NW 132ND ST
OPA-LOCKA, FL 33054

Location Address:

4103 - 4103 NW 132 ST
OPA-LOCKA, FL 33054

This Permit is issued in accordance with Article III, Section 14-53, of the code of Miami-Dade County and the South Florida Fire Prevention Code under conditions set forth herein. Violations of the aforementioned will be grounds for immediate revocation.

Permit Authorized by:

Chief Giovannie Ulloa, Fire Marshal
Miami-Dade Fire Rescue Department



Water and Wastewater Services
2401 North Powerline Road, Pompano Beach, Florida 33069

SEPTAGE RECEIVING FACILITY

WASTE HAULER DISCHARGE PERMIT

Permit Number 1137-11

In accordance with the provisions of § Broward County Sewer Use Ordinance Chapter 34-140 (e) the conditions accompanying this Permit, and all applicable Federal and state laws or regulations, permission is hereby granted to:

Name of Permittee: Raider Environmental Services, Inc

Address: 4103 N.W. 132nd Street

City, State & Zip: Opa Locka, FL 33054

For the disposal of waste at the Broward County Septage Receiving Facility located at 3100 N. Powerline Road, Pompano Beach, Broward County, FL 33069.

This Permit is based on information provided by the permittee and is in effect for the period set forth below. The Permit may be suspended or revoked for noncompliance and is not transferable. If no objection to this permit is received within 15 days of receipt, Raider Environmental Services, Inc will be deemed to have accepted it with all the terms and conditions.

Effective date: 8/4/2011

Expiration date: 9/30/2013


Terry J. Karda, Water and Wastewater Operations Division, Division Director
Broward County Water and Wastewater Services (BCWWS)

Prepared by: Babu M. John
Prepared Date: August 24, 2011



Filing deadline for renewal is: July 31, 2013



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

October 13, 2008

SENT VIA E-MAIL
steve@raiderenvironmental.com

Mr. Steve Obst, President
Raider Environmental Services
4103 NW 132nd Street
Opa-Locka, Florida 33054

SUBJECT: Raider Environmental Services, Inc.
Facility Operating Permit
EPA I.D. Number: FLR 000 143 891
Permit Numbers: 284932-HO-001 and 284932-SO-002
Miami-Dade County

Dear Mr. Obst:

Enclosed are Permit Numbers 284932-HO-001 and 284932-SO-002 issued to Raider Environmental Services, Inc. pursuant to Section 403.815, Florida Statutes (F.S.), and Chapters 62-4, 62-701, and 62-710, Florida Administrative Code (F.A.C.).

This permit is final and effective on the date filed with the Clerk of the Department. When the permit is final, any party to the permit has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice to Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, Department of Environmental Protection, 3900 Commonwealth Boulevard, MS #35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by applicable filing fees with the appropriate District Court of Appeal.

The notice of Appeal must be filed within thirty (30) days from the date the final permit is issued. If you have any questions, please contact Bheem Kothur at (850) 245-8781 or via e-mail: bheem.kothur@dep.state.fl.us.

Sincerely,

Tim J. Bahr, Administrator
Hazardous Waste Regulation

TJB/bk
Enclosure



WASTE TRANSPORTER LICENSE

APPLICANT:

Steve Obst, President
Raider Environmental Services, Inc.
4103 NW 132 ST
Opa Locka, FL 33054

License Number: WT-11-0025

This license is issued under the provisions of Chapter 27 of the Broward County Code of Ordinances hereinafter called the Code. The above-named applicant, hereinafter called Licensee, is hereby authorized to perform the work or operate the facility shown on the approved drawings, plans, documents, and specifications submitted by Licensee and made a part hereof and described specifically below. The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinances. If no objection to this license is received within 14 days, you will be deemed to have accepted it and all the attached terms and conditions.

ALL GENERAL CONDITIONS and SPECIFIC CONDITIONS, as attached, are considered to constitute the requirements of this license. The Licensee is required to fully comply with all these conditions. Any failure to comply with the conditions or requirements as set forth may result in revocation or suspension of this license and may subject the Licensee to enforcement action in accordance with the provisions of Article 1, Division 4 of the Code.

Nature of Business:

Sludge Hauling

Storm Sewer Debris, Sewage from Vessels

Discarded Hazardous Material Hauling

Used Oil

Nonhazardous Industrial Waste (Solid)

Nonhazardous Industrial Waste (Liquid)

Contaminated Soils

Prepared By: Didier Dupuy
Application Received: 02/24/2011
Date of Issue: 03/01/2011
Renewal App. Due: 12/30/2012
Expiration Date: 02/28/2013


Pollution Prevention, Remediation and Air Quality Division

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION



**HAZARDOUS MATERIALS
CERTIFICATE OF REGISTRATION
FOR REGISTRATION YEAR(S) 2012-2014**

Registrant: RAIDER ENVIRONMENTAL SERVICES, INC.
Attn: JP BLUTEAU
4103 NW 132ND STREET
OPA LOCKA, FL 33054

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 051812 552 082UV

Issued: 05/18/2012

Expires: 06/30/2014

HM Company ID: 137512

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF LAW ENFORCEMENT
Bureau of Emergency Response, M.S. 659
Emergency Response Account
Post Office Box 3070
Tallahassee, Florida 32315-3070
(850) 245-2010 / FAX (850) 245-2882

June 19, 2012

Raider Environmental Services, Inc.
Mr. Steve Obst
4103 NW 132nd St.
Opa-Locka, FL 33054

RE: Renewal of Certificate for Discharge Cleanup Organization

Dear Mr. Obst:

You are currently listed as an Approved Discharge Cleanup Organization (DCO) for the State of Florida. We are extending the expiration date of your DCO Certificate to June 30, 2013. Please notify this office of any significant changes in your capabilities as a DCO, as well as, changes in addresses, phone numbers, or contacts.

Retain a copy of this letter with your most current DCO certificate as evidence of your certification status. If you have any questions, or wish to provide updates, please contact Ms. Amanda Hartsfield at (850) 245-2870 or via email at Amanda.Hartsfield@dep.state.fl.us. You may also contact your District Emergency Response Manager to address any questions or issues regarding this program.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gwen Keenan', written over a horizontal line.

Gwen Keenan, Director
Office of Emergency Response

cc: District OER Managers

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Office of Emergency Response

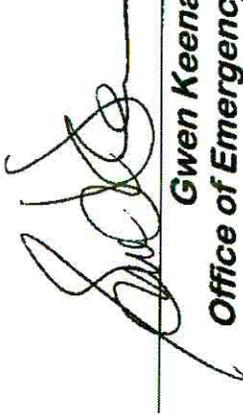
Raider Environmental Services, Inc.

Raiders Environmental Services Inc.
Miami-Dade Headquarters
4103 NW 132nd Street
Opa Locka, Florida 33055

**This is to certify that the organization named above has met the minimum requirements
for approval as a Discharge Cleanup Organization at the level of:**

First Responder

This certificate expires on Month Day, Year
6 30/2013


Gwen Keenan, Chief
Office of Emergency Response