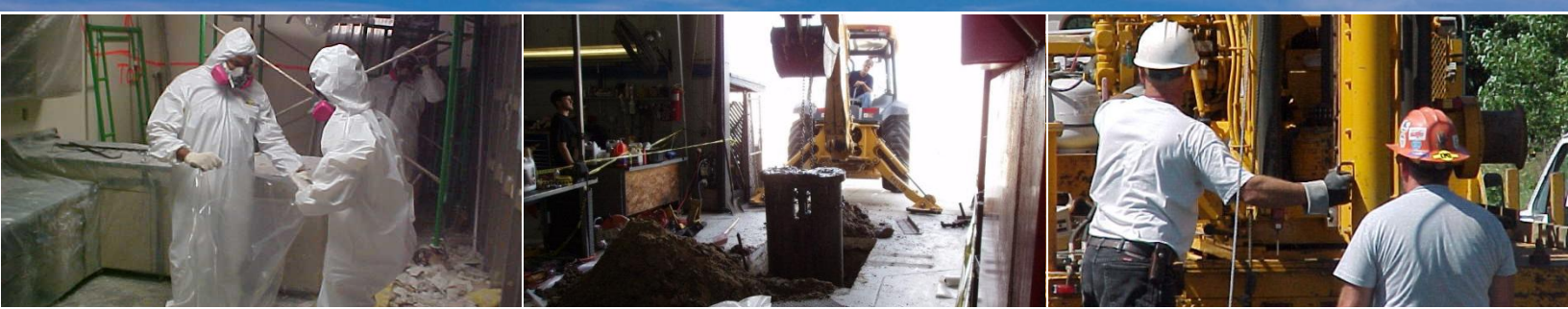


**Response to Request for Qualifications for
Environmental Engineering Services
RFQ No. 14-004**



Presented to
The City of Key West



July 9, 2014

~ ORIGINAL ~

Terracon

Terracon Consultants, Inc.
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Mr. Steven A. Harrison, P.G.
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Environmental



Facilities



Geotechnical



Materials

July 9, 2014

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

**Re: Cover Letter for RFQ No. 14-004
Environmental Engineering Services**

Dear Selection Committee Members

Terracon Consultants, Inc. (Terracon) is pleased to express our interest to the City of Key West to provide **Environmental Engineering Services**. From the ground up Terracon and their team members provide practical solutions to environmental and coastal engineering challenges. Our complementary services in geotechnical, construction materials and inspections, and facilities engineering are often utilized to support these engineering services and will be called upon when necessary to support these contract efforts. Our philosophy in providing services on an as-needed basis is to be an extension of your internal staff. As such, we pledge to provide services to the City of Key West in a professional, timely and efficient manner.

Terracon's South Florida region, consisting of four offices with a staff in excess of 70 strong (including 9 registered P.E.'s, 2 P.G.'s, 6 E.I.'s), is dedicated to serving the needs of this contract. The Fort Lauderdale office, which will house the contract, can readily draw resources from any of Terracon's other nine offices in Florida's network when the need for additional resources arises. Terracon's environmental construction services are further supported by in-house FDOT-certified comprehensive soils and materials testing laboratories. Our professional and technical staff continuously supports public and private sector clients with site assessment and overall environmental consulting services on numerous projects throughout this region. ***Terracon's mission is to respond to our client's environmental engineering needs with experience and passion, offering quality and service that will be recognized and remembered for its added value.***

Our Contract/Project Manager, Mr. Steven A. Harrison, P.G., will be the principal point of contact for this contract. He will lead and direct the work in concert with Mr. Richard Minichiello who, as a Principal of the firm, is authorized to make representations and agreements on behalf of Terracon. Mr. Harrison, Environmental Services Department Manager, will work with our key staff members to ensure that the Terracon team complies with applicable Federal, State and local laws and regulations during the life of this contract. He brings more than 26 years of environmental consulting experience to support financial, commercial, municipal, legal, industrial, and property development clients throughout the South Florida region in addressing environmental issues.

Our professional and technical staff, with significant experience with the geology and hydrogeology of Florida, has assisted public and private clients with environmental, geotechnical engineering, construction materials testing, inspection, and consulting on many local projects. ***Our mission is to respond to our client's environmental engineering needs***



with experience and passion, offering quality and service that will be recognized and remembered for its added value.

Currently Terracon holds over 100 continuing services contracts (environmental assessments, geotechnical, construction testing and inspection, and building inspection) in the State of Florida with more than 85 different governmental agencies including, but not limited to, State (FDOT and South Florida Water Management District), county (including the School Boards of Broward, Miami-Dade, and Palm Beach Counties, and Counties of Broward, Miami-Dade, and Palm Beach), and local governments (including the Cities of Hallandale Beach, Lauderdale, Fort Lauderdale, Miramar, and Pompano Beach Community Redevelopment Agency). Terracon has an outstanding history of contract extensions and re-selection under these contracts, and has never been terminated.

As a Florida-licensed professional engineering business, Florida-licensed geology business, Florida-licensed asbestos business organization, Florida-licensed mold assessor, Florida Department of Health (DOH) certified radon measurement business, American Industrial Hygiene Association (AIHA) certified industrial hygienist, and Florida Department of Environmental Protection (FDEP) qualified petroleum cleanup contractor, Terracon is strategically positioned and geographically located to expeditiously and professionally respond to the City's every need. Our Fort Lauderdale office stands ready to provide you with environmental engineering services upon notice of award.

Benefits to working with Terracon include:

- ***Responsiveness:*** Acting quickly to meet your deadlines, our staff is always available to you. With a convenient location in Fort Lauderdale, we're able to quickly mobilize a workforce to respond to accelerated schedules and your changing needs.
- ***Resourcefulness:*** Applying new processes, methodologies, and techniques allows us to take a proactive approach to solving project challenges and deliver your projects better and faster. With our local South Florida and statewide network of offices, we can initiate services easily on one or multiple projects simultaneously.
- ***Reliability:*** With vast experience working in the local conditions, Terracon is a dependable partner throughout the life of your projects. We deliver practical and constructible solutions, while avoiding delays, surprises, and costly mistakes down the road.

We are confident that Terracon will provide the City of Key West with a high level of service and look forward to working with you and your staff on future projects. Should you have any questions regarding this submittal, please contact me at (954) 741-8282. Thank you for your time and consideration.

Sincerely,



Steven A. Harrison, P.G.

Environmental Services Department Manager/
Contract/Project Manager



Richard A. Minichiello
Principal



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* *Note:* Aerial photograph on Cover – Source: Google Earth Pro



Section 1 Specialized Experience and Technical Competence of the Firm

Company Profile:

Known in the Marketplace as

Responsive
 Resourceful
 Reliable

Our Vision

We continue to view our company as a vital and growing consulting firm of engineers and scientists, providing multiple related service lines to clients at local, regional, and national levels. All of our services are delivered on a timely basis with consistently high value and attention to client needs

Terracon is a dynamic and growing engineering and scientific consulting firm providing multiple related service lines to clients at local, regional and national levels. We offer specialized engineering services throughout Florida, working with thousands of private and public sector clients. With the strength of firm and our existing operations, Terracon has a tremendous presence and broad scope of knowledge in South Florida. Terracon is a 100 percent employee-owned consulting engineering firm providing quality services to clients. Since 1965, Terracon has evolved into a successful multi-discipline firm specializing in:

- Geotechnical
- Environmental
- Construction Materials
- Facilities



Over its history, Terracon has achieved significant expansion through both internal growth and acquisitions. Terracon currently has 3,000+ employees in over 140 offices and 40 states nationwide. Additionally, we partner with our United States (U.S.) clients to serve their international needs. The firm's success is further evidenced by a current ranking of 35 in Engineering News-Record's (ENR's) 2014 listing of the Top 500 Design Firms, as compared to a ranking of 58 a decade ago. One of the largest environmental and geotechnical engineering firms in the U.S., Terracon is also ranked as 12 by the Orlando Business Journal on the listing for largest environmental firms. Terracon's growth is due to dedicated employees who are responsive to clients, provide quality services, and take advantage of opportunities in the marketplace.

Terracon provides services on thousands of projects each year. Our culture, systems, and structure enable us to excel at both small and large projects. By combining our national resources with specific local area expertise, we consistently overcome obstacles and deliver the results our clients expect.



Terracon serves a diverse portfolio of private and public clients. By being responsive, resourceful, and reliable, we strive to exceed our clients' expectations for service, solutions, quality, and speed of delivery. Based on a deep understanding of our clients' needs, Terracon's commitment is centered around these key objectives. The Terracon team is highly qualified and experienced and has successfully completed a wide variety of environmental, geotechnical, construction materials engineering and testing, and inspection projects.

Terracon provides practical solutions to environmental, geotechnical, construction materials and facilities engineering challenges. The following provides a synopsis of the services we can bring to this contract.

Technical Competence in Required Disciplines:

As a Florida-licensed professional engineering business, Florida-licensed geology business, Florida-licensed asbestos business organization, Florida-licensed mold assessor, Florida DOH-certified radon measurement business, AIHA-certified industrial hygienist, and FDEP-qualified petroleum cleanup contractor, Terracon and its team have the technical competence to provide the environmental and coastal services required for this contract including:

- Contaminated site investigation and remediation service
- Industrial hygiene services
- Underground storage tank (UST) site services
- Real estate development support services
- Comprehensive coastal engineering services

We have performed consulting engineering services on many similar project sites around the country and in Florida for clients, including A&E firms, program managers, construction managers, as well as public and private entities. Terracon's environmental services include:

- Phase I/II Environmental Site Assessments (ESAs)
- Contamination Assessment Plans (CAPs), Reports and Monitoring
- Contamination Assessment
- Remedial Action Plans (RAPs), Implementation and Reports
- Waste Characterization
- Remedial Design and Implementation
- Remediation System Operation and Performance Testing
- Risk Management Assessment Studies
- Management of State of Florida Pre-Approval Petroleum Cleanup Sites
- UST Management, Closure and Assessment
- Brownfield Site Redevelopment
- Public Presentation and Meeting



- Asbestos/Lead/Mold/Indoor Air Quality (IAQ)
- Industrial Hygiene, Health and Safety
- Property Condition Assessment
- Protected Wildlife Surveys
- Solid Waste Planning and Design
- Regulatory Compliance
- Environmental Management System
- Stormwater and Groundwater Monitoring
- Natural Resources/Wetlands Delineation/Mitigation

Our extensive environmental engineering services capabilities cover everything from the performance of environmental due diligence assessments (Phase I and II ESAs) associated with property transactions to the assessment and remediation of regulated substances in soil and groundwater matrices. Services provided in support include: contamination cleanup (source removal and active remedial action); risk assessment, storage tank removal/replacement; well installation; asbestos surveys, abatement design, monitoring and operation and maintenance (O&M) Plans; lead-based paint assessment, abatement design and O&M Plans; IAQ and mold assessment and correctional measures; radon measurement and mitigation; Spill Prevention Containment and Countermeasures (SPCC) Plans; Stormwater Pollution Prevention and Management Plans (SWPPPs); National Pollutant Discharge Elimination System (NPDES) compliance; and Health and Safety Plan (HASP) preparation. We are qualified to provide any environmental-type service that the City of Key West may request.

Our staff of environmental engineers, geologists, scientists, technicians and field staff who are all under medical surveillance, have all the registrations, certifications, HAZWOPER training, technical expertise and equipment to provide exceptional services to the City. With our highly qualified staff, Terracon offers full-service environmental capabilities from design through construction.

Terracon's professionals have a thorough understanding of local conditions and regulations, and know how to effectively manage the potential risks presented by hazardous materials, petroleum and chemical releases that have impacted a site. In addition to working for thousands of private sector clients, Terracon routinely develops and implements environmental solutions in support of local municipalities and state agencies.

Environmental Site Assessments - Our professionals have extensive experience with particular expertise in the areas of Phase I, II and III site assessments, petroleum, solvents, pesticide and metals contamination. Over the past five years Terracon has completed over 750 ESA's in Florida covering more than 750,000 acres of agricultural, industrial, and commercial lands. The goal of the Phase I ESA is to identify recognized environmental conditions (RECs)



such as hazardous substances or petroleum products on a property under conditions that indicate an existing or past release, or a material threat of a release that may impact environmental media on the property. Our Phase I ESAs are currently performed in strict accordance with requirements of ASTM E1527- 13 and Environmental Protection Agency's (EPA's) All Appropriate Inquiries (40 CFR Part 312). Our findings are accumulated in a final report which is reviewed and signed by an environmental professional as defined in Section 312.10 of 40 CFR 312.



Phase I ESA - The key elements of a Phase I include the following:

- Historical use of the site and surrounding area. Review historical aerial photographs, Sanborn fire insurance maps, city directories, and other information (building plans, newspapers, topographic maps, etc.) as appropriate. Interviews with current and prior site owners, site managers, long-term residents, community officials and local agencies such as the health planning and zoning departments for historical information.
- Physical environmental setting characteristics affecting potential movement of contaminants associated with RECs.
- Site inspections/reconnaissance.
- Regulatory documentation supplemented by computer generated regulatory database search and review of assessment and cleanup files maintained by the EPA on its Enforcement and Compliance History Online (ECHO) website, FDEP's Oculus data management website.
- Review of other previous assessment reports that may be identified for the property.
- Preparation of a Phase I ESA report including conclusions, recommendations if requested, and the *AAI Reporting Requirements Checklist for Phase I Site Assessments Conducted using EPA Brownfields Assessment Grant Funds*.

Phase II ESA - The goal of the Phase II ESA is to answer the questions as to whether or not the REC reported in the Phase I ESA presents an environmental concern, hazard or liability in the ownership/acquisition of the property. Our Phase II ESAs are typically performed in general accordance with the guidelines of ASTM E1903 and would typically include sample collection of the appropriate environmental media for laboratory analyses of select parameters, depending upon the specific type of suspect or known contamination of concern. Terracon is fully equipped in-house for drilling and all field sampling and reporting activities. Our Phase II ESA reports are reviewed internally for quality assurance/quality control (QA/QC) purposes and signed and sealed by a licensed professional geologist or engineer.

The purpose of the Phase II ESA is to assess for the presence of potential impacts to the site and to characterize potential risk to human health or the environment relative to considerations such as direct exposure by contact or vapor encroachment. While ASTM E 1903-11 outlines



the general procedures for completing Phase II ESA activities using a scientific method, the scope of work included in a Phase II ESA is site specific. Components typically include one or more of the following:

- Surface water and soil sampling and analysis
- Subsurface soil sampling and analysis
- Groundwater monitoring well installation and sampling
- Soil-vapor surveys
- Aquifer testing
- Sampling and analysis of potential hazardous materials



The Phase II ESA may include sampling of soil, groundwater or surface water for evaluation of potential contaminant impacts, and/or sampling of building materials for evaluation of lead-based paint and asbestos. In addition to laboratory analysis and field testing, additional non-intrusive testing activities may be appropriate. This could include, for example, an electromagnetic (EM) survey or ground penetrating radar (GPR) survey to locate a potential subsurface plume or identify subsurface objects such as underground storage tanks. Terracon has the trained personnel, equipment and to react quickly to all field, testing and analytical activities.

The scope for a Phase II ESA begins with preparation of a site specific HASP and Site Specific Quality Assurance Project Plan (QAPP). The Site Specific QAPP establishes the purpose and goals of proposed sampling activities to assess the relative extent of environmental impairment present on the site.

Brownfields Services - In 1995, the U.S. EPA launched a Brownfields Action Agenda to demonstrate that redevelopment and environmental protection are both achievable. In 2002 the Small Business Liability Relief and Brownfields Revitalization Act transformed federal participation and that of the U.S. EPA in redeveloping Brownfields properties. Terracon brings the company experience of more than 160 EPA Brownfield Cooperative Agreement Projects funded by the Act. Since the onset, Terracon has helped hundreds of private and public sector clients make successful redevelopment projects a reality.



Terracon takes great pride in understanding that Brownfields redevelopment is not just about environmental remedies. We pride ourselves on “consulting beyond the chemistry” to find balanced reconstruction solutions at the pace of business, not environmental regulation. These committed efforts make our client teams recipients of public recognition such as the **Brownfields Phoenix Awards**. In the history of the Phoenix Awards program, **Terracon projects included more award winners than any other single consultant, of any size.** In



12 years of the Phoenix awards, Terracon teams have been awarded 9 regional winners and 4 national winners.

Regardless of your project size, we deliver the same award-winning services. Phoenix Award projects range from one of the largest metropolitan areas in the United States to the smallest city to have ever won a national Grand Prize award in open competition. Terracon has been a partner for success on hundreds of private sector and municipal Brownfields restoration projects. With more than 159 federal Brownfield cooperative agreement (grant) projects, we are experts in both the regular federal Brownfields programs and funding under the American Reinvestment and Recovery Act (ARRA).

Terracon has assisted communities in the annual EPA Brownfields Grant Competition resulting in over 60 successful grant applications totaling more than 11 million dollars in grant money for assessment or remediation since 1999. Terracon typically participates with the municipality through outreach to develop strategic stakeholder partnerships and community buy-in, assists in development of the grant application, provides senior-level review of the application and provides suggestions based on success with other grants.

Site Assessment - The assessment of a property that has been affected by regulated substances is one of the fundamental functions of an environmental consultant. When soil and groundwater beneath a facility is found to be affected, the extent and degree of the impact must be assessed to understand the potential affects to the property. Terracon will incorporate our knowledge of the site's history, lithology, and hydrogeology with preliminary data to develop an assessment plan that focuses on understanding the estimated horizontal and vertical extent of the affected area and the any migration paths the impacted groundwater may follow.

Once the distribution of the regulated substances are known, it is our role to analyze the data with respect to site conditions understand subsurface conditions in a manner which the nature of the affected media so that appropriate cost effective remedial strategies can be developed which best fit the owner's requirements for the current operation or proposed redevelopment. Based on the usage of the facility, the selected remedial strategy could range from an expedited source removal to in situ soil and groundwater treatment to implementation of institutional and engineering controls.

The assessment data is utilized to understand the ramifications that the impacted materials have upon the site so an appropriate remedial approach can be selected. Multiple media (soil, groundwater, surface water) are often affected simultaneously and it is essential to understand the interactions between the matrices that will affect the degradation and migration of the regulated substances.

Our personnel have extensive experience with the assessment, evaluation and remediation of impacted soil, sediment, and groundwater at facilities throughout the Keys, Florida and the United States. The work is performed in compliance with Federal, State, and local regulations for a facility owner, in response to a reported discharge, an environmental enforcement process,



or potential litigation. An abbreviated list of regulated substances assessed by our staff includes:

- Petroleum hydrocarbons
- Chlorinated solvents
- Polychlorinated Biphenyls (PCBs)
- Industrial chemicals
- Metals
- Oil and grease
- Pesticides/herbicides
- Dioxins

Groundwater and soil samples are collected, using appropriate methodologies as detailed in Chapter 62-160 FAC, throughout the area of suspected impact and analyzed for the parameters of concern. The analytical results are interpreted to estimate the magnitude of the problem as well as the horizontal and vertical extent of the affected area. This information is utilized in the formation of a proper remedial plan and/or engineering design.

Integral components to the assessment and understanding of the distribution and migration of affected materials at a facility include the following services:

- Development of Aquifer Characteristics
- Hydrogeological Modeling
- Soil Gas Assessment
- Source Identification
- Historical Site Usage
- Surface Water Body and Tidal Influences
- Understanding of Background/Naturally Occurring Conditions



Terracon's services include Source Removal/Initial Remedial Actions (IRAs), spill recovery (non-emergency response), preparation of Site Assessment Reports (SARs) and RAPs, system construction, and O&M.

Remediation/Closure – In addition to subsurface investigations, Terracon also has extensive remediation experience. A corporate level remediation services committee, comprised of senior remediation engineers and scientists, keep local offices abreast of the latest developments in remediation technology within Terracon and the industry. Members of this committee also serve in a quality assurance (QA) role by being involved with remedial system designs from project kick-off through system implementation/startup. Terracon has designed, coordinated the



installation, and operated remediation systems across the United States. Additionally, Terracon has conducted risk assessments to determine the acceptability of remedial alternatives including institutional and engineering controls as well as alternative cleanup levels that protect human health, welfare and the environment. Terracon fully supports the transition from maximum-contaminant-level-based remediation to risk-based remediation by having senior professionals serve on legislative mandated committees for State programs and ASTM committees to develop risk-based corrective action regulations and guidance for leaking UST sites.

There are typically several remediation and closure options available for a site that should incorporate site specific plans and ultimate objectives of the City/responsible party when evaluating a remedial strategy for a site. This section provides a brief overview of the options available to provide the City with an understanding of the variables. If the assessment determines that there is no contamination on the site a No Further Action (NFA) would be appropriate with the issuance of a Site Rehabilitation Order (SRCO) following the abandonment of the wells and site restoration. The second remedial option to be considered, if there was no soil contamination and limited groundwater contamination (results below the Natural Attenuation Default Concentration criteria), would be to pursue natural attenuation by completing several quarters of groundwater monitoring and documenting at least two consecutive quarters of concentrations below Groundwater Cleanup Target Levels (GCTLs). The result would be a recommendation of NFA followed by the issuance of a SRCO. With low levels of contamination, a risk assessment could also replace the groundwater monitoring to achieve site closure.



If the assessment indicates both soil and/or groundwater contamination are present above the Cleanup Target Levels (CTLs), active remediation using source removal, injections of project specific chemicals into the substrate to target constituents of concern or a mechanical treatment system may be appropriate. To identify appropriate remediation strategies, Terracon conducts a feasibility analysis to evaluate the combination of owner's requirements and site factors which include the following:

- Media affected (soil or groundwater)
- Source area
- Extent of the impacts
- Future use of the site
- Remedial cost including implementation and operations
- Site disruption and loss of revenue
- Timeframe for completion
- Regulatory requirements



To qualify for a SRCO, the active remediation would be followed by an appropriate period of groundwater monitoring and verification that vadose zone soils do not contain chemicals of concern above the SCTLs. Another widely utilized and practical remedial approach involves the pursuit of achieving a SRCO with conditions through the use of institutional (deed restriction) and engineering (2-feet of clean fill, hardscape to cover shallow soils, vapor mitigation, etc.) controls. This remedial alternative allows owners to obtain closure without the performance of active remediation and is acceptable, for the majority of cases when the soil contaminants are not actively leaching, groundwater plume is less than ¼-acre in size and stable or shrinking and there is no offsite contamination.

While removal of soil and free product removal are not feasible at every site, it remains one of the most efficient methods of removing the source of contamination that can continue leaching to groundwater, and reduces the time needed for site remediation. Terracon encourages clients to aggressively conduct interim source removal, when and where feasible, as a time and cost saving measure as it allows for rapid removal of the source area, which contains the majority of the affected material. Several cases of minor petroleum groundwater contamination have been remedied by over-excavating (below the water table - with FDEP or local environmental agency approval) the extent of the defined hydrocarbon plume to allow passive open air volatilization to remove residual contaminants from the shallow aquifer. The addition of air sparging to an open excavation further enhances the rate of remediation. Due to the costs associated with active remediation, a risk assessment of the site could be a more cost effective means of achieving a SRCO using fate and transport modeling and the determination of the leachability of the soils to assure that the soils will not continue to impact the groundwater nor pose a health risk due to direct exposure.

The excavation/removal and disposal of impacted soils and groundwater requires the proper disposal of impacted materials. Facilities licensed to accept materials impacted with regulated substances are located outside of Monroe County and Terracon will orchestrate proper transportation for the disposal of these materials at facilities permitted to handle the waste material. Depending upon the type and concentration of the regulated substance in the waste material, the appropriately permitted facility, landfill, incinerator, etc., will be selected for disposal of the waste. All wastes will be properly manifested, with copies returned to the owner/responsible party, to document receipt and disposal of the material at the designated facility.

Asbestos, Mold, and Lead Based Paint/Air Quality -

Terracon industrial hygiene personnel are equipped to provide an array of air monitoring services to evaluate employee exposures and compliance with Occupational Safety and Health Administration (OSHA) standards. Terracon can conduct area or personal air sampling for practically any dust, fume, mist, vapor, or gas which may be present. Terracon is fully capable of bulk sampling of lead or asbestos-containing materials and wipe sampling of contaminated surfaces. In addition, Terracon has extensive





experience sampling in accordance with various guidelines, including the U.S. Department of Housing and Urban Development (HUD).

Terracon provides a full range of asbestos and lead based paint consulting services, from the initial building survey to abatement project design, monitoring, and O&M plans. IAQ in non-industrial environments is gaining attention as workers, tenants, and building occupants are experiencing health symptoms attributed to poor indoor air. Undesirable conditions such as odors, occupant perceptions of poor air quality, and visible mold growth are generally indicators of a breach or failure in one or more building systems.

OSHA Health and Safety - Terracon must ensure the safety of all individuals at and in the vicinity of each assigned project through a safe work environment, so an OSHA-compliant site HASP will be prepared by the designated manager for approval by the Health and Safety Officer, then implemented, maintained and enforced for each site. Safety and health meetings are held onsite on a daily basis and on-site and off-site inspections will be conducted to ensure that all personnel in and adjacent to the work zone comply with the training, designated level of protection and safe work procedures. Any identified condition or safety compliance concern will be immediately corrected to ensure our employees', subcontractors', and the public's well-being. All field personnel assigned to potentially contaminated sites and Asbestos Hazard Emergency Response Act (AHERA) inspectors participate in a comprehensive medical surveillance program, are respirator fit-tested and are qualified to work in personal protection equipment (PPE) Level D to Level B.

Coastal Engineering – Consulting Engineering & Science, Inc. (CES) will provide coastal engineering services for the Terracon team. The firm's assignments fall into three general categories: environmental services; civil engineering and design; and coastal engineering and design. These encompass the preparation of Development of Regional Impact (DRI) and environmental impact studies, environmental permitting, Phase I ESAS, contamination assessments, residential and commercial site development and docks, marina and coastal structures. CES' services include: preparation of planning studies and reports; preparation of final construction drawings, specifications and other contract documents; and technical supervision and inspection of construction. CES's coastal engineering experience includes: dredging/filling, seawalls, bulkheads, revetments, residential docks, private and public marinas, commercial fishing fleet dockage, boatyards, dry rack storage, ferry terminals, and specialty marine structures. CES stresses personalized and efficient service to assure maintenance of dialogue with our clients and on-time completion and effective execution of each assignment.



Their environmental services cover all aspects of the planning and implementation of environmental impact and assessment projects of all types and include environmental surveying



of both terrestrial and aquatic ecosystems, site selection and evaluation studies, corridor locations studies, impact assessment reports, environmental audits, air and noise impact analyses, development of regional impact reports, hydrographic and dispersion modelling, water quality studies, mitigation design and implementation, field monitoring during construction, post operational studies and community structure studies. CES provides expert witness testimony and representation at public hearings.

CES also provides environmental permitting services. Over the years they have developed an agency awareness of the expertise which the firm brings to their projects. Past projects have included submerged land leases from the Florida Department of Natural Resources and construction permits for dredge and fill, maintenance dredging, wetlands restoration, dock and breakwater construction and beach nourishment from the FDEP, the U.S. Army Corps of Engineers (USACE) and numerous local governments. The CES staff is knowledgeable of local, State, and Federal permitting requirements and have a proven track record for working with the regulatory agencies to secure permit approvals.

CES' site development services range from initial planning and preliminary feasibility studies through final design, preparation of construction documents and construction phase services. The firm's experience covers a variety of civil engineering related projects including: streets, sidewalks, and parking lots; roads and bridges; stormwater management and system design; water supply, treatment and distribution; domestic and industrial wastewater collection, treatment and disposal; and, solid waste. As a result, CES is able to provide a multi-discipline response to the specific needs and time constraints that are inherent to the land development business.

The firm has developed a particular expertise in the planning and design of coastal and marina facilities. These projects have included various types of shoreline revetments, seawalls, bulkheads and moorings as well as full service recreational and commercial marina facilities. CES has designed over 45,000 linear feet (LF) of new and rehabilitated seawall and over 3,200 marina slips including individual facilities of 179, 196, 246 and 340 slips. Projects have also included special structures including a ferry docking facility, a 17,000 square foot (sf) post tensioned platform in the Miami Shipping Channel and a fixed pedestrian promenade in water depths of 40 feet. Clients have included private developers, local governments, the U.S. military and the federal agency, U.S. Aid to Caribbean Nations.



Section 2 Professional Qualifications and Capacity of Staff

Terracon has assembled a team of professionals and specialty subconsultants ideal for this contract. By combining our extensive capabilities and resources with our subconsultants, our team is fully capable of providing all the services as required under this contract and thoroughly understands the needs of the City of Key West. Our team is highlighted in the following table.

Team Members	Role for this Contract
Terracon Consultants, Inc.	Prime Consultant, Environmental Engineering, Project Management
Consulting Engineering & Science, Inc.	Coastal Engineering
Enviro-Drill Inc.	Drilling/Direct Push, Monitoring Well Installation
JAEE Environmental Services, Inc.	Drilling/Direct Push
Hauber Inc.	Pollutant Storage System Specialty Contractor/Maintenance, Repairs, Storage, Tank Removal
SWS Environmental Services	Remediation Support, Soil Excavation, Drum Disposal/Vacuum Truck
Diversified Professional Services Corporation	Remedial Construction, Petroleum Storage Tank Installation/Removal
Petro Solutions	Petroleum Storage Tank Installation/Removal
EMSL Analytical, Inc.	Environmental Laboratory Analysis - Asbestos/Mold
EMLab P&K	Environmental Laboratory Analysis - Asbestos/Mold
AEML, Inc.	Environmental Laboratory Analysis - Mold Analysis
Pace Analytical Services, Inc.	Environmental Laboratory Analysis - Soil and Groundwater



Consulting Engineering & Science, Inc. (CES) - Coastal Engineering



Organized in 1981, CES has grown to become a leading consulting engineering firm, servicing clients throughout Florida, the southeastern United States and the Caribbean. While initially established to render civil and environmental engineering services, the capabilities of the firm and its staff have expanded to cover the specialized fields of structural engineering and coastal engineering including hydrographic modeling and coastal structure design. Located in Miami, Florida, their coastal engineering experience includes: dredging/filling, seawalls, bulkheads, revetments, residential docks, private and public marinas, commercial fishing fleet dockage, boatyards, dry rack storage, ferry terminals, and specialty marine structures. CES stresses personalized and efficient service to assure maintenance of dialogue with our clients and on-time completion and effective execution of each assignment.

Enviro-Drill Inc. - Drilling/Direct Push, Monitoring Well Installation



Enviro-Drill, Inc., located in Sunrise, Florida, began operations in 2004. Services include environmental and geotechnical drilling with owners having 45 years of combined experience. The company is a Small Business Enterprise (SBE) and County Business Enterprise (CBE) through Broward County and a SBE through the South Florida Water Management District (SFWMD). State licensed and carrying a \$5 million liability insurance policy, Enviro-Drill is safety oriented and all employees are 40-hour OSHA trained, Loss Prevention System (LPS) safety trained and American Petroleum Institute (API) safety trained. Equipment includes: Mobile B57 drill rig mounted on 2005 International 4300 4x2, Diedrich D25 drill rig mounted on 2005 Ford F-550, Geoprobe DT6620 – tracked with auger capabilities, Geoprobe 5400 mounted on 1999 Ford F-350, DitchWitch FX30 vacuum excavator, six support trucks, three service trailers, and two Honda ATV's.

JAEE Environmental Services, Inc. - Drilling/Direct Push



JAEE is a full service water well contractor with headquarters in Broward County, Florida with mobilization points throughout the State of Florida. A Florida Corporation providing environmental support services since 1991, JAEE specializes in environmental drilling and direct push services using Geoprobe Systems direct push equipment. Their sampling teams, led by operators with 4+ years of experience, have completed hundreds of projects throughout the State of Florida. Utilizing OSHA 40-hour trained crews, each team is equipped with all tooling and support equipment to handle most site requirements. Typical tools onboard are soil and water samplers and casing machine appropriate to install prepack direct push wells. JAEE also provides all decon materials and protective equipment. All units carry a peristaltic pump. Maintaining a fleet of 10 Geoprobe direct push machines, JAEE has three types of Geoprobe Direct push truck-mounted machines and three different track platforms.

Hauber Inc. – Pollutant Storage System Specialty Contractor/Maintenance, Repairs, Storage Tank Removal **HAUBER INC.**

Hauber Inc. was established in 1997 and is located in Jupiter, Florida. With over 35 years of experience in the pollutant and storage systems industry, the company's services include the installation and removal of underground and aboveground fuel storage tanks. Hauber also



installs, removes and repairs all equipment relating to fuel systems such as dispensers, nozzles, product lines, electronic equipment etc. Their service area includes Homestead to Key West.

SWS Environmental Services - Remediation Support, Soil Excavation, Drum Disposal/ Vacuum Truck



SWS is one of the largest, most diverse, and strategically positioned environmental services companies in the United States. Currently operating from 31 service centers including Fort Lauderdale, Florida, SWS has more than 450 personnel and owns and operates more than 200 pieces of rolling stock. Their service centers are equipped and ready to respond 24 hours a day, 7 days a week. With nearly 30 years of experience in major emergency response events around the nation and world, from small fuel releases to major oil spills, minor traffic accidents to train derailments, biohazardous cleanup to biological threats, SWS has an innate, qualified understanding of the fundamental workings of projects from small and simple to grand in scale and complexity. Owning and operating a fleet of remediation-dedicated heavy and specialized equipment, SWS delivers safe and reliable services to the remediation industry.

Diversified Professional Services Corporation (DPS) - Remedial Construction, Petroleum Storage Tank Installation/Removal



DPS is a multidiscipline environmental contracting and engineering firm that offers a wide range of services dedicated to helping address environmental and construction projects. A woman owned minority business (W/MBE) and a SBE, the company is founded on client service, experienced professionals and quality workmanship with the goal to provide customer satisfaction based on quality work performed on time and within budget. With a location in Dade City, Florida, the DPS staff is comprised of experienced professionals, technicians, and scientist who are appropriately trained and certified for all the services that DPS offers including: UST/aboveground storage tank (AST) removal, source removal, remedial system installation, property management, stormwater system inspections and reporting, wetland reclamation and demolition. With over 23 years of experience in the environmental engineering and construction industries DPS can handle any job with professional care.

Petro Solutions - Remedial Construction, Petroleum Storage Tank Installation/Removal



Petro Solutions is a service, construction, and distribution company based in Miami, Florida, that focuses solely on providing the right solutions to companies in the energy industry. The company is managed by professionals in the petroleum industry that have multiple decades of combined experience in the field. It doesn't stop there; every task is seamlessly executed by Petro Solutions' team of technicians that are certified to service and repair Dresser Wayne, Verifone, Veeder Root, Incon, and many other brands of equipment. The company offers: underground fuel tanks and piping; site works, sidewalk, curbs, drainage, etc.; canopy installation; installation of fuel dispensers; construction and equipment for convenience stores; and design/build (D/B) services for commercial and residential projects.



EMSL Analytical, Inc. - Environmental Laboratory Analysis - Asbestos/Mold



As the nation's leading environmental testing firm, EMSL's network of nationwide laboratories, including Miami, Florida, has been providing quality analytical services since 1981. The company offers a wide array of analytical testing services to support environmental investigations focused on asbestos, microbiology, lead paint, environmental chemistry, IAQ, industrial hygiene and food testing. Additionally, EMSL also provides materials testing, characterization, and forensic laboratory services for a wide range of commercial, industrial, regulatory, and law enforcement clients. The leading commercial mold testing laboratory, operating 21 AIHA Environmental Microbiology Laboratory Accreditation (EMLAP) and 4 American Association for Laboratory Accreditation (A2LA) accredited mold testing laboratories, has several that are open seven days. In addition, their laboratories are available round the clock for emergency projects.

EMLab P&K - Environmental Laboratory Analysis - Asbestos/Mold



EMLab P&K specializes in lab analysis of air and surface samples for mold, fungi, bacteria, asbestos and allergens and supports a full range of IAQ professionals including industrial hygienists, IAQ consultants, environmental specialists, mold remediation and heating, ventilation, and air conditioning (HVAC) contractors, hospitals and medical professionals, public health departments, building owners and commercial property managers, engineering and construction firms, and the insurance, real estate and legal professions. The company specializes in IAQ lab analysis including air and surface samples for mold, asbestos, bacteria, and allergens, and helped pioneer today's IAQ industry by developing the tools for precise data interpretation, including MoldRange and MoldScore. With nationwide locations including Fort Lauderdale, their analysts hold college degrees (most with advanced degrees) and participate in ongoing, industry-leading QA and training programs.

AEML, Inc. - Environmental Laboratory Analysis - Mold Analysis



AEML, Inc., located in Pompano Beach, Florida, was established by scientists whose mission and vision is to provide reliable and economical spore trap analysis with a rapid turnaround time. Collectively, their staff has nearly 50 years of environmental and microbiological testing in private, industrial, and government programs in support of projects and contracts that encompass a wide variety of testing services. Management staff has successfully completed courses in IAQ: Fungal Spore Identification at the prestigious McCrone Research Institute. An active participant in the AIHA Empat Proficiency Testing Program, AEML has developed and implemented policies and procedures that adhere to the General Requirements for the Competence of Testing and Calibration Laboratories, ISO/IEC 17025:2005. Their state-of-the-art equipment is the most recent technology available for fungal spore identification and quantification and AEML is fully licensed and insured and accredited by the A2LA.



**Pace Analytical Services, Inc. – Environmental Laboratory Analysis -
Soil and Groundwater**



Pace Analytical Services, Inc. was established in 1995 through the purchase of seven laboratories from PACE Incorporated. With facilities containing state-of-the-art instrumentation and well-trained personnel, the privately held, full-service sampling and analytical services firm operates a network of 21 environmental laboratories, including Pompano Beach, Florida, and 12 service centers nationwide, including Miami Lakes, Florida, and two Life Sciences laboratories. All of their full-service environmental laboratories are National Environmental Laboratory Accreditation (NELAC) accredited and utilize U.S. EPA, ASTM, Standard Methods, National Institute for Safety and Health (NIOSH), and other accepted test procedures and methods, in accordance with federal and state regulations.

Key Staff Personnel:

Our Contract/Project Manager, Mr. Steven Harrison, P.G. will be the point of contact for this contract. He will lead and direct the work in concert with Mr. Richard Minichiello who, as a Principal of the firm, is authorized to make representations and agreements on behalf of Terracon. Mr. Harrison will oversee all of the assignments within the area of expertise and will be supported by the office and field staff whose experience level is commensurate with each task order. All services requested will be performed under the direction of Mr. Harrison, a licensed professional geologist and mold assessor in the State of Florida. The team's project management approach is further discussed in Section 4 Ability to Perform Services, Location, and Availability.

Mr. Harrison has 26 years of experience in the environmental engineering and consulting industry and will be supported by a team of highly experienced environmental professional staff including:

- (3) Florida-licensed Environmental Engineers
- (8) Florida-licensed Geologists
- (5) Florida-licensed Mold Assessors
- (5) Environmental Scientist
- (2) Florida-licensed Asbestos Consultant
- (3) American Board of Industrial Health (ABIH) Certified Industrial Hygienist
- (2) ACAC Certified Indoor Environmental Consultants
- Institute of Hazardous Materials Management Certified Hazardous Materials Manager
- Florida-licensed U.S. EPA Certified Lead-based Paint Inspectors
- U.S. EPA Certified Lead Risk Assessors
- EPA Certified Lead Project Designer



- Certified Professional Roof Consultant
- (13) AHERA Certified Inspectors
- AHERA Certified Management Planners
- (4) AHERA Certified Project Designers
- AHERA Certified Contractor/Supervisors

The professional qualifications of staff personnel and their certifications are provided hereafter.

Environmental Engineering

Contract/Project Manager/Mold Assessor – Steven Harrison, P.G.

Mr. Harrison is a Florida licensed professional geologist and mold assessor with a Master's Degree in Marine Geology and Geophysics. He joined Terracon in an effort to grow the firm's practice not only in size, but with quality and safety. His experience includes transactional investigations (Phase I and II ESA), contamination/site assessment reports (CAR/SAR), RAP development, IRA, installation and operation of remedial systems, Resource Conservation and Recovery Act (RCRA) waste management, and storage tank system management including closure assessments as needed for upgrades, removals, and replacements. He has served as Contract/Project Manager for more than three years in other municipal continuing services contracts in Florida offering environmental services. He has also performed services in the Keys for public and private sector clients during his career.

Principal-in-Charge – Richard Minichiello

Mr. Minichiello is a Principal and South Region Manager with 28 years of progressive experience in the administration, management and growth of a dynamic engineering consultancy. Mr. Minichiello leads Terracon's diversified practice that includes geotechnical, environmental engineering services, construction materials testing, laboratory services and facilities engineering services for the transportation, education, commercial, water, federal, state and local market sectors. He has the authority to bind the firm (evidence of authority provided in Tab 5) and is empowered to draw from the firm's full resources.

Technical Reviewer (QA) – David Beerbower, P.G.

Mr. Beerbower, with 34 years of experience, is the Florida practice leader for the firm's environmental services. A Florida registered professional geologist, Mr. Beerbower has a Master's Degree in Geology. His expertise includes contamination assessment, remedial design and implementation, monitoring, health and safety, IAQ monitoring including asbestos and radon testing, and environmental compliance. For this contract, Mr. Beerbower will provide technical review (QA) in accordance with our Corporate Quality Project Review Manual for complex environmental projects.



Senior Geologist - *Eric Krebill, P.G.*

Mr. Krebill has over 25 years of experience in the environmental consulting field, and has managed groups of personnel, a branch office and a variety of projects. A Florida licensed professional geologist and a FDEP Certified Stormwater Erosion and Sedimentation Control Inspector, his experience includes NPDES, regulatory compliance audits, geological and hydrogeological evaluations, due diligence, hazardous waste characterization and disposal, contamination assessments and remediation, solid waste permitting, water resources permitting, and expert witness.

Senior Geo-Environmental Engineer - *Thomas Tepper, P.E.*

Mr. Tepper is a civil engineering practitioner with over 49 years of experience in the planning, execution and management of geotechnical engineering and geo-environmental studies for a variety of facilities including roadways, underground utilities, bridges, shoreline structures and buildings. Practicing geo-environmental engineering in South Florida for more than 30 years, he is very familiar with the unique geological, soil and groundwater conditions of the area and the impact which these conditions can have on the design and construction of engineered facilities. He has been the engineer in charge of numerous Phase I and II ESAs during the past 20 years.

Project Environmental Scientist – *Andrew Petric, P.G.*

Mr. Petric is a registered professional geologist specializing in environmental consulting services. He has 14 years of experience in providing Phase I ESAs, as well as numerous Phase II ESAs, soil, sediment, groundwater and surface water quality evaluation services, site assessments, tank closure assessments, development of remedial action plans, monitoring plans, remedial action plan implementation and related environmental services. He has served as project manager for similar environmental contracts for Palm Beach County, St. Lucie County, City of Palm Beach Gardens, School Board of St. Lucie, among others.

Florida Industrial Hygiene Services Manager – *James Harbison*

Mr. Harbison has over 15 years of experience and is currently the Florida Industrial Hygiene Services Manager. His duties include proposal writing, marketing, project designs, project administration, coordinating projects, budget control, supervising multiple contractor activities. Mr. Harbison also performs asbestos, lead and mold design services, facility inspections and air-monitoring duties in private, public and industrial sectors. He is an Accredited AHERA Asbestos Inspector, Project Designer, Air Monitor, and Lead Risk Assessor and Inspector.

Engineering and IEQ Consultant - *Brian DuChene, P.E., LAC, RPIH*

Mr. DuChene, a registered professional engineer, has 26+ of experience with indoor environmental consulting projects and has provided indoor environmental quality, environmental, hazardous materials and facilities consulting services on over 1,000 projects for commercial, industrial, institutional, educational, federal, and military facilities throughout the U.S. and overseas. He has: served as a site representative and project manager for numerous asbestos, lead, radon, and IAQ projects; prepared design documents for asbestos and lead abatement, radon mitigation, and restoration of mechanical, waterproofing, and finish system; and developed testing protocols and directed sampling activities for asbestos, lead, radon, and IAQ evaluations.



Staff Environmental Scientist – Susan Kuzia

Ms. Kuzia, with over 20 years of experience, is an AHERA Building Inspector and is a Florida licensed Mold Assessor. As a project environmental scientist, her responsibilities and skills include site research, regulatory research, report preparation, and Phase I ESAs. She has also managed Phase II ESAs. Her experience has been client focused with wide ranging experience in environmental consulting, teaching, and project management.

Staff Scientist – Kimberly Roberts

Ms. Roberts has over eight years of experience with a Bachelor's Degree in Environmental Science. As an environmental scientist, she has assisted and conducted ESAs, and environmental sampling of soil and groundwater. A former intern for FDEP's Watershed and Resource Management Division (Restoration), Ms. Roberts has provided environmental services for private sector clients throughout South Florida and for the firm's continuing services contracts (i.e. School Board of St. Lucie County, St. Lucie County, Palm Beach County, and Indian River County).

AHERA Accredited Asbestos Inspector/Environmental Technician - Paul Saneaux

Mr. Saneaux is an AHERA Accredited Asbestos Inspector and environmental technician for Terracon. His work experience has provided a background for support in conducting asbestos sampling in accordance with National Emission Standards for Hazardous Air Pollutants (NESHAP). In addition to asbestos sampling, Mr. Saneaux has been assigned to assist in geotechnical explorations for commercial/retail projects, manage construction projects, and conduct Phase I and II ESAs. He also collects water and soil samples, directs installation of groundwater monitoring wells and soil borings, oversees environmental drillers to insure safety and proper completion of field work, and interprets field and laboratory analytical environmental data. He has provided environmental services for projects in Monroe County over the past few years.

Senior Environmental Technician - Randall Murphy

Mr. Murphy has over 23 years of experience performing as field technician. His duties have related to air, soil, surface water, sediment, and groundwater sampling; assisted with aspects of monitoring well installation and abandonment; assisted with aspects for the installation and operation of remedial systems. He has assisted with aspects of soil source removal activities (excavation), temporary dewatering systems with groundwater treatment equipment. Mr. Murphy has also served as a field supervisor for various environmental projects throughout the State of Florida.

Senior Environmental Technician – Oscar Correa

Mr. Correa has 30 years of experience as a drilling and engineering technician. He has provided services for over 35 environmental investigation sites. He is experienced in providing site inspections, boring layouts; underground utilities clearance Sunshine "One Call" coordination, private utilities location using cable locators; collection of soil samples from soil borings (Standard Penetration Tests [SPTs]), double ring infiltration and percolation test for hydraulic conductivity calculation, and monitoring well installation and groundwater sampling.



STEVEN A. HARRISON, P.G. CONTRACT/PROJECT MANAGER/MOLD ASSESSOR

PROFESSIONAL EXPERIENCE

Mr. Harrison is a Professional Environmental Consultant and Operations Manager that specializes in providing responsive, cost effective, technically accurate and regulatory focused solutions to meet client's project and operational requirements. As a Professional Geologist, with more than 26 years of successful experience, he continuously exceeds expectations by resolving environmental situations that clients face.

Mr. Harrison's diverse environmental experience includes the assessment and remediation of impacted groundwater and soil, real estate transactional due diligence assessment (Phase I/II ESAs), storage tank system management, industrial and RCRA waste disposal, wildlife surveys and compliance assistance with federal and State environmental regulations (SPCC Plans). He has worked with a diverse array of clients ranging from the independent property owner to local, regional, and State municipalities and Fortune 500 companies to address and resolve their business and regulatory environmental concerns. His knowledge of local, state, and federal regulatory requirements is critical to supporting client's objectives to maintain compliance with all applicable regulatory requirements.

PROJECT EXPERIENCE

Private Island, Florida Keys, Florida

Environmental Services Department Manager. A limited site investigation was conducted to obtain samples from an ash pile for analysis of arsenic content and estimate the approximate area and volume of the arsenic impacted ash. The material will be removed for proper disposal. Mr. Harrison also conducted a Phase I and II ESA for the property while with another firm.

Plaza Shopping Center, Key Largo, Florida

Environmental Services Department Manager. A Phase I ESA was provided for the approximately 2.63-acre tract of land with an approximately 61,083-sf, 2-story shopping center, asphalt-paved parking lots and driveways, landscaped areas, and associated utilities. The purpose of this ESA was to assist the client in developing information to identify potential RECs in connection with the site.

Future School Site, Key West, Florida

Hazardous Substance Practice Area Leader/Project Manager. Provided Phase I/II ESAs/SAR for a future school site to be constructed on ball fields. The site was found to be a portion of a former landfill that required construction assistance through preparation of a HASP, proper management of impacted soils, design assistance and oversight of the installation of a vapor mitigation systems and the disposal of impacted soils as appropriate. The site was closed by covering with two feet of clean fill and or hardscape within affected areas.



Education

MS, Marine Geology and Geophysics, Emphasis: Geo-Chemistry

Rosenstiel School of Marine and Atmospheric Sciences, University of Miami, 1988

*BS, Geology
State University of New York Binghamton, 1980 – 1984*

Registrations

*Professional Geologist
Florida, No. 0001390*

*Professional Geologist
Georgia, No. 001491*

*FL. Licensed Mold Assessor
No.MRSA508*

*FL. Licensed Sales Associate
SL3069031 (Realtor –Florida)*

Certifications

8- Hr Hazmat Health and Safety Training Updates (Current)

40- Hr Hazmat Health and Safety Training (1989)

Short Course: Assessing Environmental Risk in Property Transactions (1990)

Short Course: How to Comply with Florida's Haz Waste Regulations for Generators



DAVID C. BEERBOWER, P.G. TECHNICAL REVIEWER (QA)

PROFESSIONAL EXPERIENCE

Mr. Beerbower has 36+ years of experience, and is responsible for Terracon's engineers and scientists providing services on projects addressing property condition, hazardous waste, petroleum, lead-paint, asbestos, indoor air, radon, geotechnics, construction materials testing, wetlands and wildlife. He is responsible for the performance, staffing and administration of those personnel, as well as providing management of environmental projects and peer review of reports.

Mr. Beerbower is knowledgeable of contamination assessment, remedial design and implementation, monitoring, health and safety, indoor air quality monitoring including asbestos and radon testing, and environmental compliance. He has assisted governmental, industrial, commercial, land development and financial clients to evaluate real estate for environmental liability or degradation due to soil, sediment and groundwater impacts by hydrocarbons, solvents, pesticides, metals and hazardous wastes. He also has provided expert opinions and conducted forensic investigations in several civil action suits.

PROJECT EXPERIENCE

Weingarten Realty, Statewide, Florida

Environmental Department Manager. Responsible to manage asbestos surveys of retail suites within retail shopping centers throughout Florida to permit interior renovations prior to tenant occupancy. Duties include managing asbestos survey personnel and well as providing QA/QC on surveys of interior building components and homogeneous areas of suspect asbestos containing materials (ACMs) being visually identified and documented.

Jupiter Pointe Marina – Tequesta, Florida

Environmental Department Manager. Managed assessment, planning and implementation of alternate procedures to remediate groundwater contamination due to a gasoline discharge at a marina to facilitate construction of a new yacht storage rackominium. Three USTs and 5,000 cubic yards (cy) of soil was excavated to facilitate the introduction of PETROX bacteria into the open excavation and 4,350 cy of staged soil (the most highly-contaminated 650 cy were removed for proper disposal) to expedite degradation of fuel oil constituents and achieve groundwater and soil cleanup target levels within one month of completion of excavation.

HD Supply – Sites Nationwide, Headquarters in Orlando, Florida

Environmental Department Manager. Managed environmental site assessments and property condition assessments for numerous portfolios consisting of several developed facilities. Portfolios have included highly confidential business acquisitions, sale of facilities for lease back to Hughes, real property sales and new facility leases.



Education

*MS, Geology
Ball State University 1977
BA, Natural Systems*

Registrations

Professional Geologist
Florida, No. PG828, 1989
Water Well Contractor
Florida No. 7370, 2010

Affiliations

*Florida Bar Association,
Environmental and Land Use
Section
Florida Healthcare Engineering
Association*



ERIC KREBILL, P.G. SENIOR GEOLOGIST

PROFESSIONAL EXPERIENCE

Mr. Krebill is a Senior Geologist and Manager responsible for project management, quality assurance, personnel supervision and technical review. He has over 25 years of experience in the environmental consulting field, and has managed groups of personnel, a branch office and a variety of projects. His experience includes regulatory compliance audits, geological and hydrogeological evaluations, due diligence, hazardous waste characterization and disposal, contamination assessments and remediation, solid waste permitting, water resources permitting, and expert witness.

Mr. Krebill has completed and reviewed hundreds of due diligence environmental assessments including Phase I and II ESAs and contamination screening evaluation reports. He has performed numerous facility compliance audits at a variety of industrial, petroleum and transportation facilities. He has conducted and reviewed hundreds of subsurface assessments involving contaminants associated with agricultural, industrial and petroleum facilities including pesticides and herbicides, chlorinated solvents, petroleum constituents, PCBs, metals, nutrients and other contaminants.

He has developed and implemented remedial action plans, evaluated remedial performance and reached site rehabilitation completion at numerous facilities. In addition, Mr. Krebill had developed stormwater pollution prevention plans and spill prevention control and countermeasures plans for a variety of facilities. He has also prepared water use permits and permits for solid waste facilities, and conducted many other environmental activities.

PROJECT EXPERIENCE

Hotel, Key West, Florida

Senior Project Manager. Two USTs and associated dispensers were removed from the site in 1988. Conducted soil and groundwater sampling activities at the former storage tank system in 2012 and a site assessment in 2013. Conducted a groundwater over-purge event and monitoring well sampling activities at the site as requested by the FDEP.

Hotel, Key West, Florida

Senior Project Manager. A petroleum UST, believed to contain a full amount of heating oil or diesel fuel, is located below the existing pavement adjoining west of the former restaurant building at the site. Responsible for the removal of the UST and performed a tank closure assessment.



Education

BS, Geology
Northern Arizona University, 1984

Registrations

Professional Geologist
Florida #1162

Certifications

40CFR Part 312.10(b)
Environmental Professional

OSHA 1910.120 Hazmat Supervisor

FDEP Certified-Stormwater Erosion
and Sedimentation Control
Inspector

Red Cross First Aid CPR/AED

Affiliations

Florida Brownfields Association
(Newsletter Editor)

Florida Association of
Environmental Professionals

Metropolitan Orlando Training
Alliance (METRA)

Florida LAKEWATCH (Volunteer
Sampler)

Southeast Geological Society



THOMAS J. TEPPER, P.E. SENIOR GEO-ENVIRONMENTAL ENGINEER

PROFESSIONAL EXPERIENCE

Mr. Tepper is a civil engineering practitioner with over 49 years of experience in the planning, execution and management of geotechnical engineering and geo-environmental studies for a variety of facilities including roadways, underground utilities, bridges, shoreline structures and buildings. As a senior level geotechnical and geo-environmental engineer, Mr. Tepper has been involved with planning, implementation and management of: geotechnical investigations and oversight and testing of projects involving ground modification and foundation construction; Phase I and II ESAs; and site assessments addressing soil and groundwater quality.

PROJECT EXPERIENCE

Former Dry Marinas, Inc., Port Everglades, Florida

Engineer in Charge. A voluntary assessment was completed for Dry Marinas, Inc., a State of Florida petroleum pre-approval program facility, to evaluate the status of a past storage tank petroleum discharge. The assessment involved a detailed review of regulatory information, installation of groundwater monitoring wells, sampling and analysis of groundwater samples, groundwater flow direction determination and submittal of an assessment report and monitoring reports in accordance with Chapter 62-770, FAC. At the conclusion of the assessment and monitoring, which showed that no residual contamination existed, the site monitoring wells were abandoned.

South Port Turning Notch Expansion Project, Port Everglades, Broward County, Florida

Engineer in Charge. Broward County plans to expand the South Port Turning Notch to facilitate improved port operations and navigation. As part of the improvements, 8.7-acres of existing wetland conservation easement will be removed. To offset this loss 16.5 acres of new mangrove wetland will be created in existing upland areas adjacent to and nearby the conservation easement. The firm completed soil and groundwater assessment activities in the proposed wetland creation area and the expansion area (former 40-acre landfill) to evaluate potential contamination impacts and the implication of the impacts upon the project.

Petroleum Pipeline Installation, Port Everglades, Florida

Engineer in Charge. The project involved the planned construction of petroleum transfer pipelines from Port Everglades Berth 13 to the Vecenergy petroleum terminal. The firm provided an evaluation of petroleum pipeline construction dewatering impacts on movement of documented contaminant plumes in the groundwater that exist in the vicinity of the referenced project.



Education

*B.S., Civil Engineering
 Carnegie Institute of Technology,
 1963*

*Master of Engineering
 Michigan State University, 1964*

Registrations

Professional Engineer
 Florida, No. 27451, 1979

Professional Engineer
 Hawaii, No. 2433, 1969

Affiliations

National Society Of Professional Engineers (NSPE)
 Florida Engineering Society (FES)
 American Society of Civil Engineers (ASCE)



ANDREW PETRIC, P.G. PROJECT ENVIRONMENTAL SCIENTIST

PROFESSIONAL EXPERIENCE

Mr. Petric serves as a project manager and handles environmental projects through their full life-cycle, from concept to clean-up. His experience includes the planning of environmental studies, including scope and fee; performance of field sampling and reconnaissance activities; evaluation of environmental data with respect to prescribed regulatory standards, risk assessment, and project cost impacts; development of remediation/clean-up plans; and preparation of written reports. He has completed hundreds of Phase I ESAs, as well as numerous Phase II ESAs. His expertise includes soil, sediment, groundwater and surface water quality evaluation services, site assessments (Chapter 62-780, FAC), tank closure assessments, development of remedial action plans, monitoring plans, remedial action plan implementation and related environmental services.

PROJECT EXPERIENCE

Port Manatee Mill Scale Site, Palmetto, Florida

Project Manager. Two leased parcels of land within Port Manatee were once used for the storage of "oil-coated" railroad ballast and mill scale, which was later transported to a vacant parcel of land located east of the Port's industrial area. The mill scale storage created impacts to soil and groundwater from contaminants. From 2009 through the present day, the firm has performed site assessment activities.

Former Dry Marinas, Inc., Port Everglades, Florida

Project Manager. A voluntary assessment was completed for Dry Marinas, Inc., a State of Florida petroleum pre-approval program facility, to evaluate the status of a past storage tank petroleum discharge. The assessment involved a detailed review of regulatory information, installation of groundwater monitoring wells, sampling and analysis of groundwater samples, groundwater flow direction determination and submittal of an assessment report and monitoring reports. At the conclusion of the assessment and monitoring, a SRCO was issued by FDEP.

South Port Turning Notch Expansion Project, Port Everglades, Florida

Project Manager. Broward County plans to expand the South Port Turning Notch to facilitate improved port operations and navigation. As part of the improvements, 8.7-acres of existing wetland conservation easement will be removed. To offset this loss 16.5 acres of new mangrove wetland will be created in existing upland areas adjacent to and nearby the conservation easement. The firm completed soil and groundwater assessment activities in the proposed wetland creation area and the expansion area (former 40-acre landfill) to evaluate potential contamination impacts and the implication of the impacts upon the project.



Education

BA, Geography (Environmental Tract)
University of South Florida, 1999

Florida Atlantic University, Geology
Continuing Education, 2005 - 2011

Registrations

Professional Geologist
Florida, No. PG2788, 2013

Security Clearances

Port Everglades Seaport Security
Identification Card No. 592978
(expires 08/21/15)

Transportation Worker Identification
Credential (TWIC) (expires
11/19/15)



JAMES E. HARBISON

FLORIDA INDUSTRIAL HYGIENE MANAGER

PROFESSIONAL EXPERIENCE

Mr. Harbison is currently the Florida Industrial Hygiene Services Manager. His duties include proposal writing, marketing, project designs, project administration, coordinating projects, budget control, supervising multiple contractor activities. Mr. Harbison also performs asbestos, lead and mold design services, facility inspections and air-monitoring duties in private, public and industrial sectors. Mr. Harbison performed similar duties for Terracon's Charlotte, North Carolina office from 1999 through 2011. Mr. Harbison also specializes in the areas of marketing, designing abatement projects, air monitoring, AHERA inspections, operations and maintenance programs, radon, drinking water, mold and lead-based paint testing, IAQ, and sick building syndrome.

PROJECT EXPERIENCE

Key West Hotel, Key West, Florida

Florida Industrial Hygiene Manager. Sampling of drywall/joint compound systems in a hotel in an attempt to limit the extent of asbestos-containing joint compound. Site-specific asbestos abatement design specifications for the removal and disposal of the identified ACM were developed. Asbestos air monitoring was provided during the removal process.

Port of Miami Warehouse C, Miami, Florida

Florida Industrial Hygiene Manager. Performed asbestos inspection for the renovations of Warehouse C and issued final report required for renovation permit.

Port Everglades Florida Power and Light (FPL), Broward County, Florida

Florida Industrial Hygiene Manager. Performed asbestos inspections, asbestos air monitoring and project management duties for the implosion of 4 boilers and associated stacks. Duties included scheduling asbestos inspections; writing abatement specifications and performing air monitoring when required; coordinating activities with multiple project managers for FPL and abatement contractors; and issuing final clearance reports required to obtain implosion permits.

Miami-Dade County Continuing Services Contract, Miami, Florida

Project Manager. Industrial hygiene related services are provided on an as needed basis for all Miami-Dade County Departments. These services include providing, asbestos - surveys, specification preparation, abatement project monitoring, OSHA personnel monitoring, O&M, lead - paint surveys, risk assessments, OSHA air monitoring, toxicity characteristic leaching procedure (TCLP) sampling, mold - assessments, testing, and preparation of remediation protocols and IAQ - assessments to determine the cause and solutions to indoor contaminants.



Education

Master of Business Administration, Pfeiffer University, 2001

Bachelor of Science, Business Management, West Virginia Institute of Technology, 1993

Associates in Business Administration, The College of West Virginia, 1991

Registrations

Accredited Asbestos Air Monitor: North Carolina, No. 80504 South Carolina, No. ASB-23362 NIOSH 582 AHERA Supervisor Course

Accredited Asbestos Inspector: North Carolina, No. 11405 South Carolina, No. 23031 Virginia, No. 330300287 West Virginia A1003597 USEPA AHERA Trained Asbestos Inspector

Accredited Asbestos Designer: North Carolina, No. 40384 South Carolina, No. PD-00003 USEPA AHERA Trained Asbestos Designer

Accredited Lead Risk Assessor/Inspector: North Carolina No. 120162 EPA Trained Risk Assessor/Inspector

UNC-Chapel Hill Industrial Hygiene Technician Certification

Asbestos Analysts Registry No. 5779

Proficiency Analytical Testing



BRIAN J. DUCHENE, P.E. ENGINEERING AND IEQ CONSULTANT

PROFESSIONAL EXPERIENCE

Mr. DuChene, a Senior Associate, has provided indoor environmental quality, environmental, hazardous materials and facilities consulting services on over 5,000 projects for commercial, industrial, institutional, educational, federal, and military facilities throughout the U.S. and overseas. He has served as a site representative and project manager for numerous asbestos, lead, radon, and IAQ projects. He has served as client manager for multiple projects for a large public school district and a major state university under term consulting agreements. He has also prepared design documents for asbestos and lead abatement, radon mitigation, and restoration of mechanical, waterproofing, and finish systems. He has developed testing protocols and directed sampling activities for asbestos, lead, radon, and IAQ evaluations.

PROJECT EXPERIENCE

Walt Disney World, Lake Buena Vista, Florida.

Principal/Consultant. Developed report format, provided technical oversight and review NESHAP Asbestos/LBP Cd paint surveys throughout the Walt Disney World resort, and Disney Vacation Club properties in Vero Beach, Florida and Hilton Head, South Carolina. Principal in charge for over 3,000 separate survey task orders including proposal, field work, interpretation of laboratory results, and report preparation.

Confidential Tennant Space, Boca Raton, Florida

Principal/Consultant. Prepared plans and specifications for the cleaning, sanitizing, and coating of the HVAC system including two air-handling units and ductwork throughout the facility. Performed monitoring of the work for compliance with the design documents. Performed microbial and NADCA testing to confirm completeness of the cleaning operations.

Patrick Air Force Base (PAFB), Florida

Principal/Consultant. Developed report format, provided technical oversight and review of comprehensive asbestos and lead-based paint (LBP) surveys for 248 buildings at PAFB. Principal in charge for survey and database implementation including proposal, field work, interpretation of laboratory results, and report preparation.

Orange County Historic Courthouse, Tower, and Annex, Orlando, Florida

Principal Engineer. Facility surveys for asbestos-containing material and lead based paint, laboratory analytical services for asbestos bulk samples, air monitoring services, recommendations for asbestos removal contractors, regulatory assistance, abatement and demolition design, bidding, contract administration, project monitoring.



Education

Bachelor of Science, Materials Science and Engineering, University of Florida, 1987

Registrations

Professional Engineer - Civil, FL No. 45856, 1992

Licensed Asbestos Consultant, FL, No. EA#0000075

Certifications and Training

Registered Professional Industrial Hygienist, APIH, 9660707

AHERA Asbestos Project Designer, NC, SC

AHERA Asbestos Supervisor (lapsed)

AHERA Asbestos Inspector

AHERA Asbestos Management Planner

Lead-Based Paint Risk Assessor Lead-Based Paint, FL, EPA

NIOSH 582 Airborne Asbestos Sampling / Evaluation

Radiation Safety and Use of Nuclear Gauges Soil, US

Affiliations

Environmental Information Association

Indoor Air Quality Association Association of Professional Industrial Hygienists



Coastal Engineering

Senior Engineer – *Richard Bochnovich, P.E.*

With over 40 years of experience, Mr. Bochnovich has extensive experience in all areas of civil/structural engineering, including site and land development engineering, transportation and highway engineering, utility engineering, coastal engineering and construction field coordination and quality control. He has been responsible for the design and preparation of construction drawings and technical specifications for numerous paving, grading, drainage, water distribution, sewage collection and stormwater management projects; as well as for numerous coastal structures including slope revetments, concrete seawalls, steel bulkheads, recreational/commercial marinas and various special structures including overwater platforms and ferry docking facilities.

Senior Environmental Scientist – *Randy Telford*

Mr. Telford has worked as an inter-disciplinary senior-level scientist and consultant, over the past 25 years. His experience includes environmental support services such as preparation of National Environmental Policy Act (NEPA) environmental documents (i.e. categorical exclusions, environmental assessments, environmental impact statements, state environmental impact reports, etc.), mitigation plans, and permit applications (state, local and Federal). Mr. Telford has conducted numerous wetland evaluations, biological assessments threaten and endangered species surveys, seagrass surveys, and agency coordination.

Senior Structural Engineer – *Nelson Ortiz, P.E.*

Mr. Ortiz has over 18 years of experience in the areas of land development, utility systems design and coastal engineering. He has been responsible for the design, preparation of construction documents and construction administration for a variety of residential and commercial site development, roadway, stormwater management and drainage, water and sewer and coastal projects. A State registered professional engineer, his coastal/structural engineering experience includes parks, marinas, seawalls, docks, and boat storage facilities.

Project Manager – *John Guttman, P.E.*

Mr. Guttman has been providing construction engineering and inspection services (CEI) with CES for the past 10 years included a variety of land development projects including paving, grading and drainage; water distribution systems; sewage collection systems. Such projects have included residential subdivisions; retail and office developments, and, municipal drainage, water extension and sewer collection/transmission projects. He has also provided CEI services with compliance monitoring for numerous coastal engineering projects including shoreline stabilization, dredging, docks, marinas, seawalls and revetments. These have included both private and public sector projects.



Project Engineer - Ben Prewitt, P.E.

Mr. Prewitt has over 13 years of experience in the areas of land development; stormwater management and drainage; and utility systems planning and design. A Florida licensed professional engineer, he has been responsible for the design, preparation of construction documents and construction administration services for a variety of site development, roadway, storm drainage, water distribution and sewage collection, transmission and treatment projects. Mr. Prewitt has served as project engineer for, and has been responsible for the design and preparation of construction drawings for, numerous residential and commercial development projects including projects in Miami-Dade, Broward, Palm Beach and Monroe Counties.

Project Engineer – Thelma Perez, E.I.

With over six years of experience in the areas of utility systems, Ms. Perez has been responsible for the design, preparation of construction documents and construction administration services for a variety of site development, roadway, storm drainage, water distribution and sewage collection, transmission and treatment projects. Areas of responsibility at CES include the design and construction administration including layout; paving, grading and drainage; and, design and profile of utilities including storm drainage, water distribution and sewage collection systems.

Design Engineer – Oliver Shahbazian

Mr. Shahbazian provides design engineering services with CES and is responsible for the design and preparation of construction documents for a variety of roadway, drainage, water and sewer, stormwater, and coastal projects. Areas of responsibility at CES include the design and construction administration of land development projects, including layout; paving, grading and drainage; and, design and profile of utilities including storm drainage, water distribution and sewage collection systems.

Environmental Scientist – Daniel Dmiczak

Mr. Dmiczak has over 15 years of professional environmental experience in Florida. He is experienced in compliance monitoring, environmental assessments, permitting, water quality monitoring, endangered species monitoring, and marine biological surveys. A Certified Stormwater Management Inspector, Mr. Dmiczak has served as a senior environmental scientist for environmental compliance monitoring coastal projects in Miami-Dade and Monroe Counties.

Construction Inspector – Robert Guttman

Mr. Guttman has been providing CEI services with CES for the past 10 years. He has provided CEI services for a variety of land development projects including paving, grading and drainage; water distribution systems; and sewage collection systems. Such projects have included residential subdivisions, retail and office developments, and municipal drainage, water extension and sewer collection/transmission projects. He has also provided CEI services with compliance monitoring for numerous coastal engineering projects including shoreline stabilization, dredging, docks, marinas, seawalls and revetments. These have included both private and public sector projects.



Engineering Technician – *Gerardo Gonzalez*

Mr. Gonzalez has over 31 years of design and plans preparation experience in all aspects of architectural and engineering design. His experience includes a variety of projects including the civil, structural, architectural, electrical, plumbing and HVAC disciplines. With CES for over 20 years, he is responsible for engineering design and construction drawing production, including both manual and CADD production. Mr. Gonzalez also provides CEI services on a variety of land development related projects, including paving, grading, and drainage; water and sewer systems, bridge structures; and various coastal structures including bridge restorations, seawall restoration, and pedestrian bridges.



RICHARD B. BOCHNOVICH, P.E. SENIOR ENGINEER

PROFESSIONAL EXPERIENCE

Mr. Bochnovich has extensive experience in all areas of civil/structural engineering including site and land development engineering, transportation and highway engineering, utility engineering, coastal engineering and construction field coordination and QC. He has been responsible for the design and preparation of construction drawings and technical specifications for numerous paving, grading, drainage, water distribution, sewage collection and stormwater management projects; as well as for numerous coastal structures including slope revetments, concrete seawalls, steel bulkheads, recreational/commercial marinas and various special structures including overwater platforms and ferry docking facilities.

His specific project experience includes the civil/site planning and design of numerous commercial/office developments and numerous low-rise and high rise residential apartment and condominium developments. These have ranged in size from one to 30 acres in area and from less than 50 to over 1,000 units and are located throughout Miami-Dade, Broward and Palm Beach Counties. Mr. Bochnovich's roadway design experience includes residential streets, 4-lane divided arterial roadways, low-level fixed span bridges, and modifications of a number of State highways. His specific coastal engineering experience includes the planning and design of marinas in Florida, Puerto Rico, and Paradise Island, Bahamas. He has designed over 30,000 LF of vertical revetments including concrete seawalls and steel bulkheads throughout South Florida.

Over the past 40 years, Mr. Bochnovich has served as project principal, project manager and/or project engineer for a variety of hotel/resort, residential and residential/mixed-use projects throughout the quad-County South Florida area. Most recently these have included Phases 3B and 4 of the Everglades Farmworkers Village in Florida City; the Margaritaville Resort and Apogee Beach Condominium in Hollywood, Florida; the Lofts 1 and II Workforce Housing projects in the City of Miami, Florida; the Plaza at Brickell and 500 Brickell residential/mixed-use projects in Miami, Florida. Other projects, all located in Miami-Dade County, have included the Lorenzo Bomnin Chevrolet auto dealership, the Miller Crossing Shopping Center, and the Park at Kendall rental community. Public projects have included the Haulover Park and Marina Renovation, the Melreese Golf Training Center, the Dinner Key Marina Dock Master Building, and the Miami Police Department Equestrian Center.



Education

*B.S., Civil Engineering,
University of Detroit, 1973*

Registrations

*Professional Engineer
New Jersey*

*Professional Engineer
Florida, No. 19833, 1976*

Affiliations

Construction Specifications Institute



RANDY S. TELFORD

SENIOR ENVIRONMENTAL SCIENTIST

PROFESSIONAL EXPERIENCE

Mr. Telford has worked as an inter-disciplinary senior-level scientist and consultant over the past 25 years. His experience includes environmental support services such as preparation of NEPA environmental documents (i.e. categorical exclusions, environmental assessments, environmental impact statements, state environmental impact reports, etc.), mitigation plans, and permit applications (state, local and Federal). Mr. Telford has conducted numerous wetland evaluations, biological assessments threaten and endangered species surveys, seagrass surveys, and agency coordination. He has prepared various NEPA documentations for FDOT Districts 4 and 6, SFWMD, and the Georgia DOT.

PROJECT EXPERIENCE

Biscayne Trail PD&E Segments C&D, Miami-Dade County, Miami-Dade County, Florida

Served as Senior Scientist responsible for field flagging and delineating 10 miles of coastal wetlands in Homestead, Florida.

Crystal Lake Resort, LLLP, HTG, Inc., Monroe County, Florida

Served as Senior Scientist conducting a detailed tree survey of native and exotic tree species, at a defunct resort in Marathon.

New River CSX Bascule Bridge Project, FDOT District Four, Broward County, Florida

Served as Project Manager/Senior Scientist and led a team that conducted seagrass surveys, Essential Fish Habitat Surveys and review for listed species for the preliminary aspects of the project.

Miscellaneous SFWMD Environmental Services, SFWMD, Palm Beach County, Florida

Conducted two years of monitoring in the Everglades Nutrient Removal Project and Conservation Areas (ENR) for the SFWMD. Duties included collection and verification of fish in the ENR. Work was coordinated closely through the Research Department at the District.

State Road (SR) 860/Miami Gardens Drive PD&E Study, FDOT District 6, Miami-Dade County, Florida

Conducted surveys for threatened and endangered species, performed wetland delineation/WET II analysis on wetlands, collected data for Conceptual Stage Relocation Plan, collected data and file review for 43 potential contamination sites.



Education

*B.S., Geology,
University of South Florida, 1985*

*Marine Biology, Eckerd College,
1980 - 1982*

Registrations

Herbicide Applicators License

*Qualified Stormwater Management
Inspector*



NELSON H. ORTIZ, P.E. SENIOR STRUCTURAL ENGINEER

PROFESSIONAL EXPERIENCE

Mr. Ortiz has over 18 years of experience in the areas of land development, utility systems design and coastal engineering. He has been responsible for the design, preparation of construction documents and construction administration for a variety of residential and commercial site development, roadway, stormwater management and drainage, water and sewer and coastal projects.

His specific project experience includes the civil/structural engineering design and preparation of construction drawings of land development projects including single-family residential, multi-family residential, high rise residential, office building, and shopping center and free-standing retail. Such projects have included layout; paving, grading and drainage; and, water distribution and sewage collection systems. These projects, located throughout Miami-Dade, Monroe, Broward and Palm Beach Counties, have included such national/regional retailers as Walgreens, Extra Space Self-Storage, Wachovia Banks, Publix and Winn-Dixie Supermarkets, and, residential projects for the Related Group, the Lojeta Group of Florida, Opus South Corporation, and H&H Development. He has also served as project manager/project engineer for the Rural Neighborhoods, Inc. (Everglades Community Association) (subsidized housing) and Carrfour Supportive Housing, Inc. (affordable housing).

Mr. Ortiz's coastal/structural engineering experience includes the renovation and expansion of Miami-Dade County's Haulover Park and Marina (Phase II); seawalls and docks at the Atlantis II Resort in Paradise Island, Bahamas; a deepwater seawall at the Tampa Marriott; and a steel framed roof on a pile-supported foundation for wet boat storage at the Roscioli Yachting Center in Fort Lauderdale.

Most recently, Mr. Ortiz has served as project manager for the civil engineering work associated with the Margaritaville Resort in Hollywood, Florida; the Parkview Gardens affordable housing project in Miami, Florida; and Publix Supermarkets in Riviera Beach, Lake Worth, Pompano Beach, and Pinecrest, Florida. His public sector projects have included the City of Miami Beach Fire Station No. 4; the City of Miami Firehouse No. 2, Police Equestrian Center and Melreese Golf Training Center; and, the Monroe County FKA Key Largo Service Center; as well as numerous projects with Miami-Dade County DERM and Miami-Dade County Parks, Recreation and Open Spaces Department.



Education

*B.S., Civil Engineering,
Florida State University, 1996*

Registrations

*Professional Engineer
Florida, No. 57556, 2001*

Affiliations

American Society of Civil Engineers



JOHN R. GUTTMAN, P.E. PROJECT MANAGER

PROFESSIONAL EXPERIENCE

Mr. Guttman has extensive experience in all areas of civil, coastal, environmental, sanitary and utility engineering. For the past 35 years, he has been extensively involved in the planning, permitting and design of over 100 recreational and commercial marina facilities containing in excess of 5,000 slips. His specific project experience includes: Fisher Island (125 slips), The Waterways (99 slips), Harbor Islands (192 slips), Bahia Beach Plantation (364 slips), Palmas del Mar (186 slips), Atlantis Megayacht Marina, Roscioli Boat Yard, Bradford Marine Center, and Grand Bahama Yacht Repair and Storage Facility.

In addition, he has been responsible for the design and construction of numerous coastal projects including dredging, filling, bulkheads, breakwaters, beach nourishment, docks, marinas and freight terminals. Mr. Guttman's experience includes numerous structural inspections of a wide variety of existing marine facilities. He has also been personally responsible for the preparation of over 50 DRI's and EIAR's plus over 150 ESAs.

Mr. Guttman has experience in biological and environmental investigations leading to the preparation of a wide variety of impact and assessments reports. He has planned and implemented detailed field investigations and sampling programs, prepared engineering and feasibility reports including hazardous waste assessments and obtained a variety of permits from local, State, and Federal agencies.

Mr. Guttman personally oversees all environmental planning projects which the firm undertakes. He maintains a close personal working relationship with the staffs of all environmental permitting agencies to facilitate a strong and creditable presence in sensitive permitting matters.



Education

B.S., Biology, Marquette University, 1967

B.S., Civil Engineering, Marquette University, 1971

M.S., Civil Engineering, Marquette University, 1972

Registrations

*Professional Engineer
Florida, No. 24061, 1979*

Affiliations

American Society of Civil Engineers

Florida Engineering Society

Florida Institute of Consulting Engineers

National Society of Professional Engineers

Environmental Assessment Association



BEN F. PREWITT, P.E.

PROJECT ENGINEER

PROFESSIONAL EXPERIENCE

Mr. Prewitt has over 13 years of experience in the areas of land development, stormwater management and drainage, and utility systems planning and design. He has been responsible for the design, preparation of construction documents and construction administration services for a variety of site development, roadway, storm drainage, water distribution and sewage collection, as well as transmission and treatment projects.

Mr. Prewitt, as project engineer, has been responsible for the design and preparation of construction drawings for numerous residential and commercial development projects. These have included projects in Miami-Dade, Broward, Palm Beach and Monroe Counties, which have included: the Oasis on the Bay mixed-use project in Miami; the Positano Condominium in Hollywood; the 200 East Palmetto Park mixed-use complex in Boca Raton; and the Parkview Gardens Affordable Housing project in Miami. Mr. Prewitt also served as project engineer for the design and preparation of construction drawings for the Key West Harbour Yacht Club, and a number of mixed-use high rise condominium/apartment/office projects including the 1300 Ponce De Leon (Coral Gables), The Giralda Complex (Coral Gables), and 396 Alhambra (Coral Gables).

Mr. Prewitt has also served as project engineer for a number of public projects throughout Miami-Dade County and the Cities of Miami, Miami Beach, and Hialeah. These have included historic renovation projects such as the Chinese Bridge restoration/renovation at the County's Deering Estate and the Thalatta Park restoration/expansion in Palmetto Bay; the County's Country Club of Miami Community and Aquatic Center; and the City of Miami Beach's Collins Park Renovation. Other specialty projects have included the Fisher Island Club Pedestrian Bridge, the Holiday Isles Resort Restoration, and the Siesta Resort Reconstruction in Islamorada.



Education

*B.S., Civil Engineering,
University of Florida, 2000*

Registrations

*Professional Engineer
Florida, No. 64681, 2006*



THELMA N. PEREZ, E.I. PROJECT ENGINEER

PROFESSIONAL EXPERIENCE

Ms. Perez has over six years of experience in the areas of utility systems. She has been responsible for the design, preparation of construction documents and construction administration services for a variety of site development, roadway, storm drainage, water distribution and sewage collection, transmission and treatment projects.

Areas of responsibility at CES include the design and construction administration including layout; paving, grading and drainage; and design and profile of utilities including storm drainage, water distribution and sewage collection systems.

Ms. Perez has served as project engineer for, and has been responsible for the design and preparation of construction drawings for, numerous residential and commercial development projects. These have included projects, located in Miami-Dade and Broward Counties, which have included: the Pearl at Dadeland; Echo Brickell; the Dolphin Mall Parking expansion; Public Storage on Bird Road; the Muse; and Publix in Sunny Isles.

She has also participated in civil design, engineering field supervision, engineering estimates for an \$873 million utility expansion project in Florida. Ms. Perez has also prepared potable water and sanitary sewer permit applications for the City of Cape Coral; and designed an area for SW 6 and 7 North West for the City of Cape Coral Utility Extension program which consisted of potable water, irrigation, storm drains, and sanitary sewer.



Education

*B.S., Civil Engineering,
Florida International University,
2006*

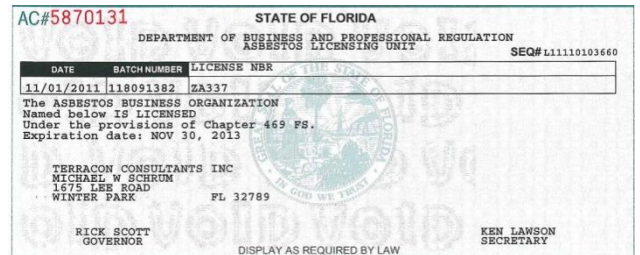
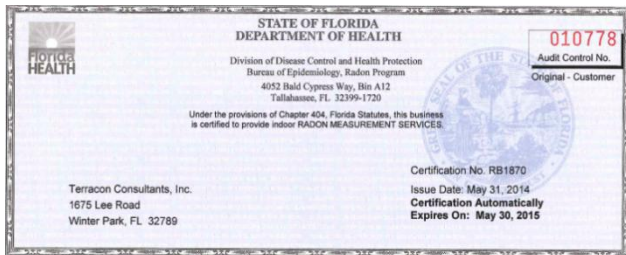
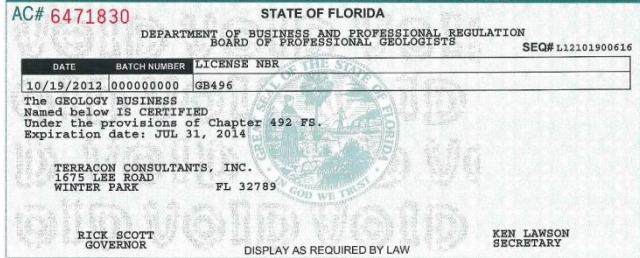
Registrations

*Engineering Intern
Florida, 2008*



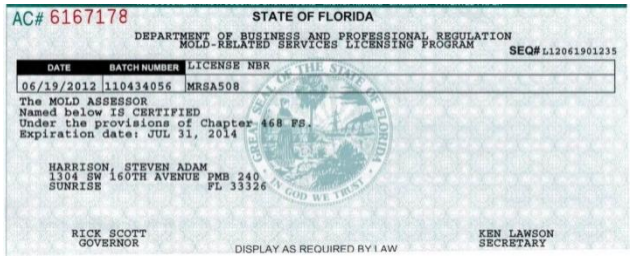
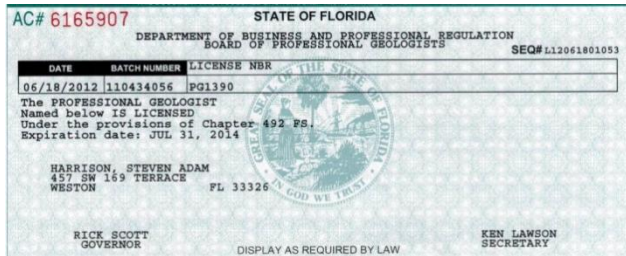
Licenses and Certifications:

Firm Licenses - Terracon

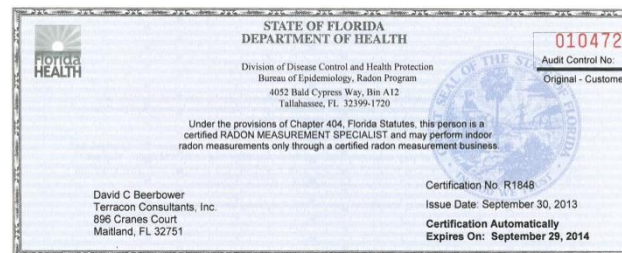
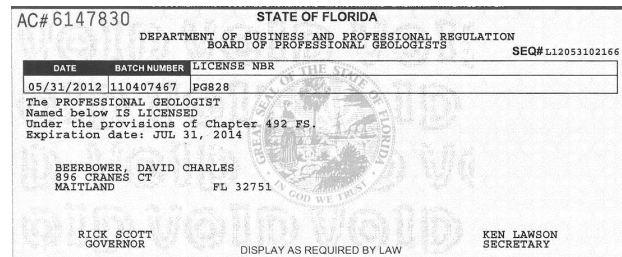


Key Professional Staff Licenses – Terracon

Contract/Project Manager/Mold Assessor – Steven Harrison, P.G.



Technical Reviewer (QA) – David Beerbower, P.G.





Senior Geologist - Eric Krebill, P.G.

AC# 6147843 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS SEQ# L12053102179

DATE	BATCH NUMBER	LICENSE NBR
05/31/2012	110407467	PG1162

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

KREBILL, ERIC RICHARD
1810 MORRISON ST
GROVELAND FL 34736

RICK SCOTT GOVERNOR KEN LAWSON SECRETARY
DISPLAY AS REQUIRED BY LAW

**Senior Geo-Environmental Engineer –
Thomas Tepper, P.E.**

State of Florida
Board of Professional Engineers
Attests that
Thomas Jerome Tepper, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 27451
Audit No: 228201520872

**Project Environmental Scientist –
Andrew Petric, P.G.**

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER
PG2788

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

PETRIC, ANDREW
12191 1841H CT N
JUPITER FL 33478

VIA FLORIDA SOL

**Florida Industrial Hygiene Services Manager –
James Harbison**

Asbestos Online Training, LLC
13987 94th Avenue N Seminole, FL 33776
727-593-3067
Asbestos Survey & Mechanical (AHRA Building
Inspector) Refresher Training
This is to certify that
James Harbison
Training was in accordance with Title II of TSCA, 40 CFR
Part 763, Appendix C to Subpart E as revised
Date of Course Examination 5/29/2014
Date of Course Completion 5/29/2014
Expiration Date 5/29/2015
Certificate # 52914159
Course # FL-490006359 Provider # FL-490005406

INSTRUCTOR

CWD International, Inc. dba
Environmental Training Fund
3932.691 CERTIFICATE 900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 954-524-7208 Processed By:
**This is to Certify that
James E. Harbison**
XXXXXXXXXXXX
2020 E Starria Rd., Charlotte, NC 28206
has successfully completed an English
Lead & Hr. Risk Assessor Refresher
27-Oct-11 TO 27-Oct-11
Completed with Sec. 402 TSCA 18 USC 3602 and Accredited by the S. OPI, CT OPI, MD OPI, PA OPI
Trainee(s): Jim Stump
Training Address: 900 Northwest Fifth Avenue, Fort Lauderdale, FL 33309
Passed the hands-on assessment & completed the course exam on: 27-Oct-11
This Certificate Expires: 26-Oct-14 26-Oct-14
SUNSET DATE: 18 / 26 / 14 GA-PreAudit Course Number GE1143
USEPA's actual expiration date will appear on individual's license. See individual state rules for actual state expiration date.



Engineering and IEQ Consultant - *Brian DuChene, P.E., LAC, RPIH*

State of Florida
Board of Professional Engineers
Attests that
Brian James Duchene, P.E.

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015 P.E. Lic. No: 45856
Audit No: 228201509671

AC# 6373022 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT SEQ# L12091701722

DATE	BATCH NUMBER	LICENSE NBR
09/17/2012	120123403	EA0000075

The ASBESTOS CONSULTANT - ENGINEER
Named below IS LICENSED
Under the provisions of Chapter 469 FS.
Expiration date: NOV 30, 2014

DUCHENE, BRIAN JAMES
75 EAST AMELIA STREET, SUITE 200
ORLANDO FL 32801-1320

RICK SCOTT GOVERNOR DISPLAY AS REQUIRED BY LAW KEN LAWSON SECRETARY

Florida
RISK ASSESSOR

Certification No.	FL-R-1173-4
Date of Birth	07/19/1964
Expiration Date	11/22/2015

Address
1411 Sweetbriar Road
Orlando, FL 32806

Badge Holder's Name
Brian James Duchene

Badge Holder's Signature

If found, drop in any mailbox
Postmaster: Please return to:

US EPA
1200 Pennsylvania Ave, NW
(MC-7404T)
Washington, DC 20460
or Call 1-800-424-LEAD

**Certified Lead-Based
Paint Professional**

CWD International, Inc. dba
Environmental Training Fund

99731629/CERT/PRBAKE 900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 954-7208 Processed By:
This is to Certify that
Brian J. Duchene

Seagull
To Authenticate Certificate
www.seagulltraining.com
1-800-966-9933

75 E. Amelia St., Suite 200, Orlando, FL 32801
has successfully completed an English
Lead & Hr. Risk Assessor Refresher
11-Oct-12 TO 11-Oct-12

Initial courses include an extensive hands-on component.
Complies with Sec. 402 TSCA 19 USC 2882 and Accredited by the U.S. EPA, CI-GPA, MO-DOH, PA-DOH
X X X - X X - 2 3 4 0
Trainer(s): James F. Stump
Training Address: 900 Northwest 9th Ave., Fort Lauderdale, FL 33309
Passed the hands-on assessment & completed the course exam on: 11-Oct-12
James F. Stump, Training Manager

This Certificate Expires:
SUNSET DATE: 11-Oct-15 11-Oct-15 GA-PreAudit Course Number SE1241
1 0 / 1 1 / 1 5

USEPA's actual expiration date will appear on individual's license. See individual state rules for actual state expiration date.

Staff Environmental Scientist – *Susan Kuzia*

AC# 6108734 STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
MOLD-RELATED SERVICES LICENSING PROGRAM SEQ# L12042401205

DATE	BATCH NUMBER	LICENSE NBR
04/24/2012	118177582	MRSA2051

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

KUZIA, SUSAN REBECCA
8250 NW 9 ST
PLANTATION FL 33324

RICK SCOTT GOVERNOR DISPLAY AS REQUIRED BY LAW KEN LAWSON SECRETARY

ASHERA Accredited Asbestos Inspector/
Environmental Technician - *Paul Saneaux*

M.E.T.A.
Mayhew Environmental Training Associates
INCORPORATED

Certificate # 7ME08281201AIR0005

This is to certify that
Paul Saneaux

has on 8/28/13, in Miami Lakes, FL
completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 U.S.C. 2646

AHERA Asbestos Building Inspector Refresher Course

as approved by the State of Florida and the U.S.E.P.A. under 40 C.F.R. 763 (AHERA)
on 8/28/13 - 8/28/13 and passed the associated examination on 8/28/13
with a score of 70% or better
CM = 0.5

Provider #: FL49-0001221
Course #: FL49-0004718
Sec. Sec #: XXX-XX-8109
Accreditation Expires: 8/28/14

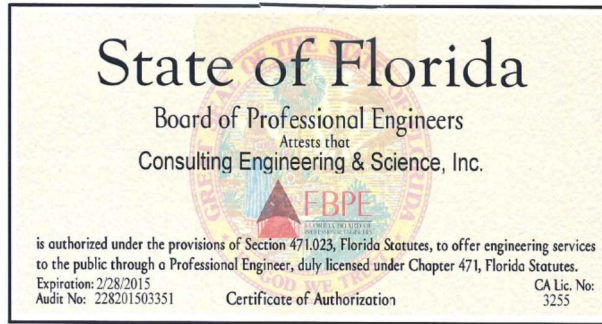
Instructor
Bill Young

President
Thomas Bradford Mayhew

M E T A - P.O. Box 786 - Lawrence KS 66044 - 800-444-6382

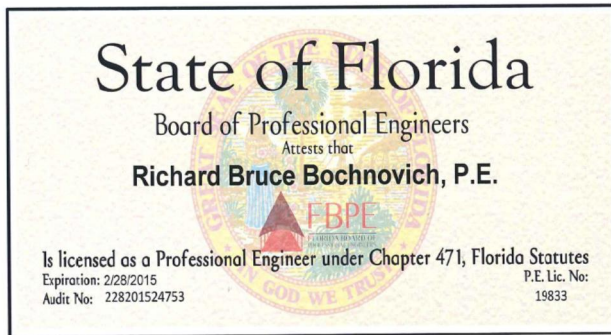


Firm Licenses - CES

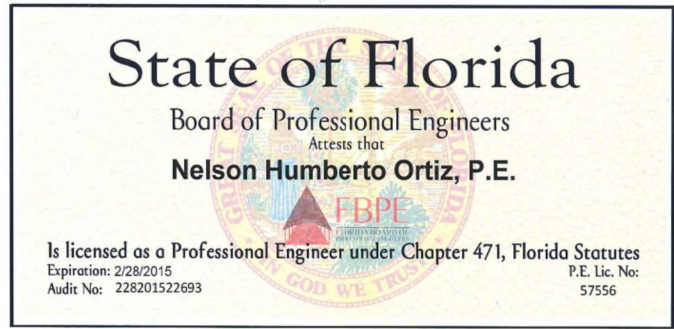


Key Professional Staff Licenses – CES

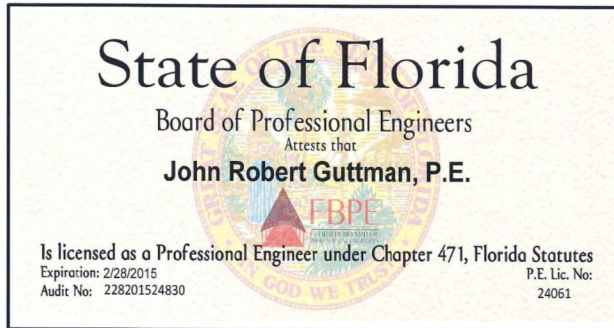
Sr. Engineer – Richard Bochnovich, P.E.



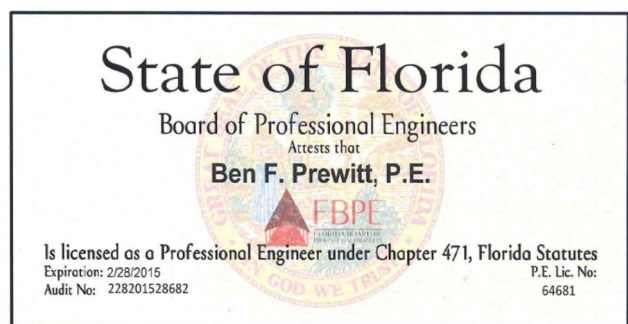
Sr. Structural Engineer – Nelson Ortiz, P.E.



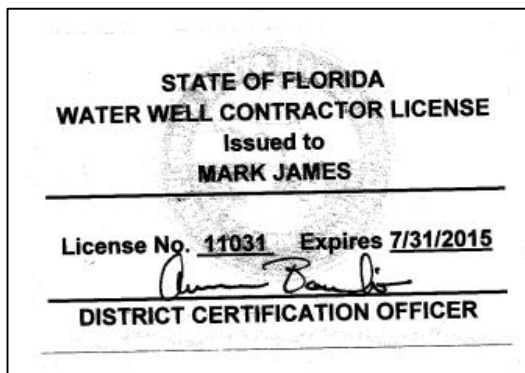
Project Manager – John Guttman, P.E.



Project Engineer - Ben Prewitt, P.E.

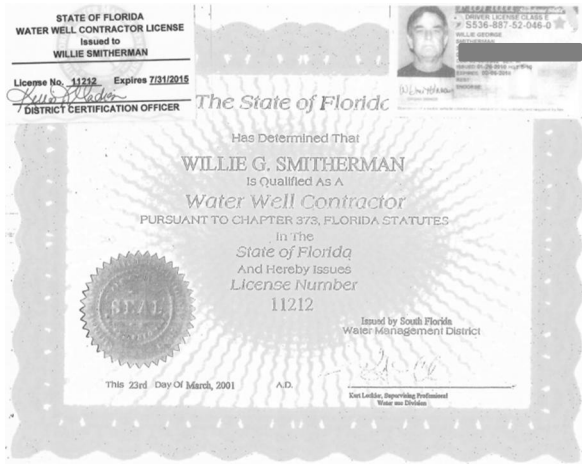


Enviro-Drill Inc. - Drilling/Direct Push, Monitoring Well Installation

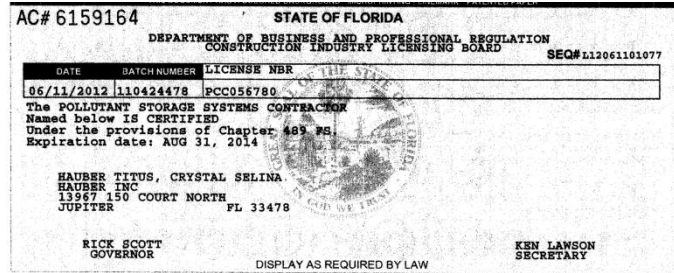




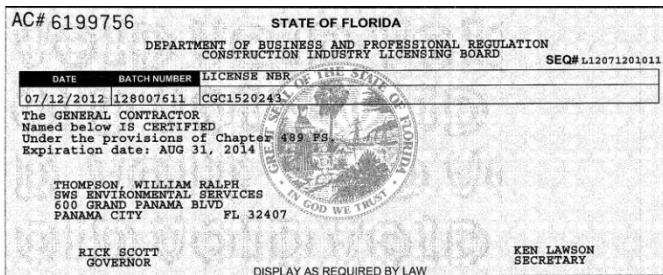
**JAEE Environmental Services, Inc. –
Drilling/Direct Push**



**Hauber Inc. – Pollutant Storage System
Specialty Contractor/Maintenance, Repairs,
Storage Tank Removal**



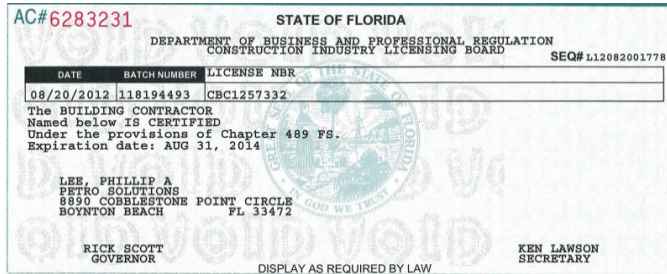
**SWS Environmental Services - Remediation
Support, Soil Excavation,
Drum Disposal/Vacuum Truck**



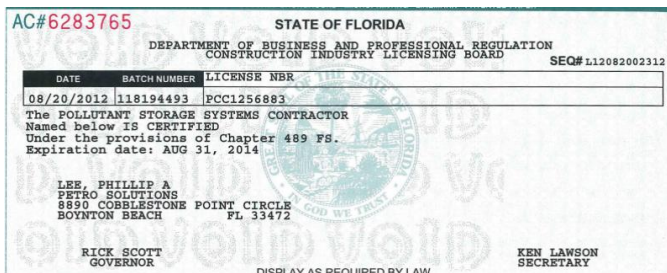
**DPS - Remedial Construction, Petroleum
Storage Tank Installation/Removal**

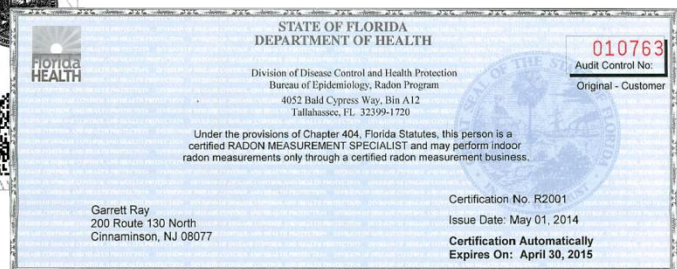
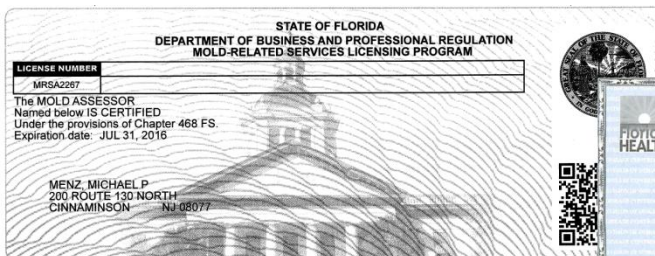
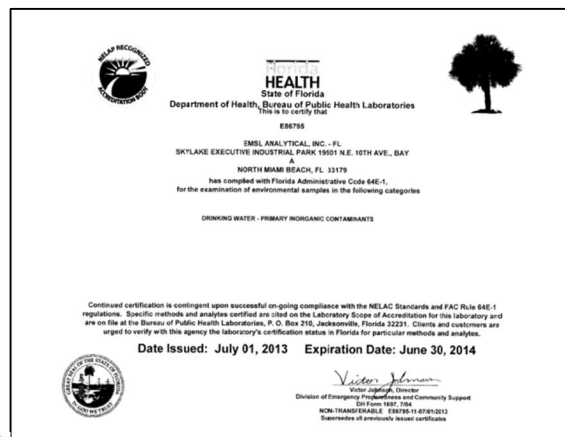
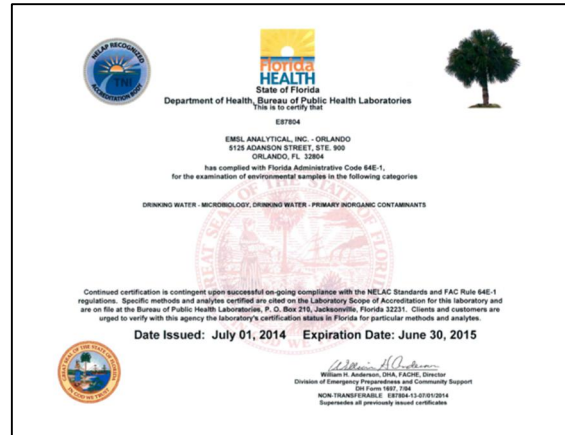


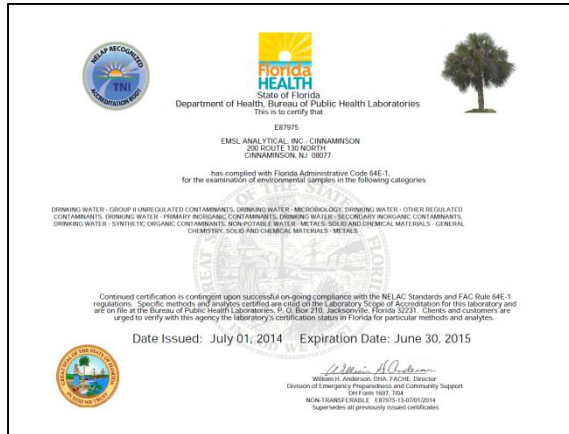
**Petro Solutions – Petroleum Storage Tank
Installation/Removal**



**EMSL Analytical, Inc. - Environmental
Laboratory Analysis - Asbestos/Mold**







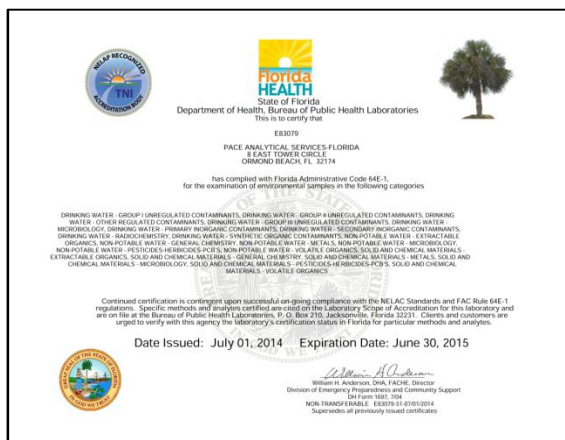
EMLab P&K - Environmental Laboratory Analysis- Asbestos/Mold



AEML, Inc. – Environmental Laboratory Analysis - Mold Analysis



Pace Analytical Services, Inc. – Environmental Laboratory Analysis - Soil and Groundwater





Section 3 Past Work Experience in the Past Five Years

Key West Seaport Hotel

Client's Name: Harborside, LLC

Client's Representative: Mr. Jonathan Wang

Client's Address: 200 William Street, Key West, Florida 33040

Client's Telephone No.: (212) 573-0841

Key Personnel Involved in the Design Phase Services: James Harbison, Paul Maxwell, Scott Graf, P.G.

Design Services Fee: \$3,300

Estimate of Construction Cost: Unknown

Name of Contractor: Cross Environmental Services

Contractor's Award Amount: \$267,405

Contractor's Representative: James Smith

Contractor's Address: 39646 Fig Street, PO Box 1299, Crystal Springs, Florida 33524

Contractor's Telephone No.: (813) 783-1688

Description of Project:

Terracon conducted limited soil sampling and analysis at the property located at 200 William Street in Key West, Monroe County, Florida. The site is located on the north side of Caroline Street, south of Lazy Way Drive, west of William Street and east of Elizabeth Street at 200 William Street. The site consisted of nine contiguous parcels, comprising approximately 1.9 acres of undeveloped unpaved land with demolition debris observed throughout the site. The intent of the investigation was to evaluate for adverse impacts to the soil at the site based on soils encountered by the site contractor during construction excavation activities that exhibited a petroleum odor.



Key West Hotel Project

Client's Name: Confidential Client

Client's Representative: Kerri L. Barsh, Esq.

Client's Address: 333 Avenue of the Americas, Suite 4400, (333 SE 2nd Avenue, Suite 4400), Miami, Florida

Client's Telephone No.: (305) 579-0500

Key Personnel Involved in the Design Phase Services: Eric Krebill, P.G., Paul Saneaux

Design Services Fee: \$56,885

Estimate of Construction Cost: Not applicable (N/A)

Name of Contractor: Terracon

Contractor's Award Amount: N/A

Contractor's Representative: Eric Krebill, P.G.

Contractor's Address: 1675 Lee Road, Winter Park, Florida 32789

Contractor's Telephone No.: (407) 740-6110

Description of Project:

In December 2012, Terracon completed a Phase I ESA for the site which identified RECs. The firm performed a subsurface investigation in July 2013 to evaluate petroleum concentrations associated with potential sources including: a former heating oil aboveground storage tank (AST) and product piping connected to a boiler room in a building at the southwest portion of the site; off-site former petroleum UST area at a motel adjoining south of the site; and an elevator pit at a building on the north portion of the site.

Terracon performed a SAR in April 2014 to document assessment activities conducted at the referenced site to delineate petroleum impacts in soil and groundwater associated with a former fuel oil AST and associated underground product piping formerly connected to a boiler room in a building at the southwest portion of the site. Additionally, soil and groundwater sampling was conducted to evaluate potential petroleum impacts associated with an elevator at a building on the north portion of the site. The SAR included a proposed groundwater Natural Attenuation Monitoring Plan. The FDEP reviewed the report and on April 4, 2014 issued a Natural Attenuation Monitoring Plan Approval Order.



Private Island, Key Largo, Florida

Client's Name:	Confidential Client
Client's Representative:	Confidential
Client's Address:	Confidential
Client's Telephone No.:	Confidential
Key Personnel Involved in the Design Phase Services:	Steven Harrison, P.G., Eric Krebill, P.G.
Design Services Fee:	\$3,600
Estimate of Construction Cost:	\$26,458
Name of Contractor:	Terracon
Contractor's Award Amount:	N/A
Contractor's Representative:	Steven Harrison, P.G.
Contractor's Address:	5371 NW 33 rd Avenue, Suite 201, Fort Lauderdale, Florida 33309
Contractor's Telephone No.:	(954) 741-8282

Description of Project:

The project was on a small island off the coast of a Florida Key. An area of the island, adjoining the tennis courts within the central portion of the island, is the area of concern and recognized as the site for this Limited Site Investigation (LSI). Mr. Harrison conducted a Phase I and II ESA for the property while with another firm which identified RECs. The Phase II ESA, included the assessment of soils associated with a spoil pile consisting of excavated submarine materials and an area of discarded incinerator ash.

Terracon's LSI was conducted to obtain samples from the ash pile for analysis of arsenic content and estimate the approximate area and volume of the arsenic impacted ash. Groundwater quality was not assessed as part of this LSI. The scope of work was designed to assess the arsenic content within the previously identified ash pile (primary ash pile) through collection of soil samples from five boring locations. A second ash pile (secondary ash pile) within an overgrown area to the east of the primary pile was also sampled for arsenic analysis.



Pink Plaza Shopping Center, Key Largo, Florida

Client's Name: IMA Rida Key Largo, LLC; Rida Greenwood, LLC

Client's Representative: Jessica Rose

Client's Address: 103400 Overseas Highway, Key Largo, Florida 33037

Client's Telephone No.: (713) 951-3835

Key Personnel Involved in the Design Phase Services: Steven Harrison, P.G., David Beerbower, P.G., Paul Saneaux

Design Services Fee: \$2,500

Estimate of Construction Cost: N/A

Name of Contractor: Terracon Consultants, Inc.

Contractor's Award Amount: N/A

Contractor's Representative: Steven Harrison, P.G.

Contractor's Address: 5371 NW 33rd Avenue, Suite 201, Fort Lauderdale, Florida 33309

Contractor's Telephone No.: (954) 741-8282

Description of Project:

The site is an approximately 2.63-acre tract of land located at 103400 Overseas Highway in Key Largo, Florida. The site is improved with an approximately 61,083-sf, two-story shopping center, asphalt-paved parking lots and driveways, landscaped areas, and associated utilities. The shopping center is occupied by 44 various commercial tenants including West Marine, medical offices, attorney's offices, a bike shop, a tattoo shop, a sign shop, travel agencies, and administrative offices for other companies.

A Phase I ESA was provided for the approximately tract of land and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Based on the scope of services, limitations, and findings of this assessment, RECs were not identified in association with the site. .



South Port Turning Notch Expansion Project, Port Everglades, Broward County, Florida

Client's Name: DeRose Design Consultants, Inc.

Client's Representative: Lawrence DeRose, P.E., Vice President

Client's Address: 470 South Andrews Avenue, Suite 206, Pompano Beach, Florida 33069

Client's Telephone No.: (954) 942-7703

Key Personnel Involved in the Design Phase Services: Thomas Tepper, P.E., Andrew Petric, P.G.

Design Services Fee: \$150,000 to date

Estimate of Construction Cost: \$15,781,373

Name of Contractor: Bergeron Land Development, Inc.

Contractor's Award Amount: \$15,359,177

Contractor's Representative: Ronald Bergeron

Contractor's Address: 6941 SW 196th Avenue # 24, Fort Lauderdale, Florida 33332

Contractor's Telephone No.: (954) 915-1377

Description of Project:

Broward County plans to expand the South Port Turning Notch to facilitate improved port operations and navigation. As part of the improvements, 8.7 acres of existing wetland conservation easement will be removed. To offset this loss 16.5 acres of new mangrove wetland will be created in existing upland areas adjacent to and nearby the conservation easement.

The scope of geo-environmental services include: assessment of a petroleum contaminated site within the proposed wetland creation area; assessment, including soil and groundwater sampling and laboratory analysis, of the Southport Notch landfill which exists within the Port Notch expansion area; and subsurface explorations necessary for evaluating the soils present for the establishment of foundation support loads for surface vehicular traffic, the embedment loads for the seawalls or piling, and for evaluating blended soils which will be necessary in the mitigation areas for the planting soil characteristics. The firm is currently providing additional environmental and geotechnical engineering services as well as construction materials services for the project.



City of Aventura, Florida Citywide Seawall Inspections

Client's Name: Craven Thompson & Associates, Inc.

Client's Representative: Adolfo A. Gonzalez, P.E.

Client's Address: 3563 N.W. 53rd Street, Fort Lauderdale, Florida 33009

Client's Telephone No.: (954) 739-6400

Key Personnel Involved in the Design Phase Services: John Guttman, P.E., Nelson Ortiz, P.E., Daniel Dmiczak, and Robert Guttman

Design Services Fee: \$41,775

Estimate of Construction Cost: \$560,300

Name of Contractor: TBD

Contractor's Award Amount: TBD

Contractor's Representative: TBD

Contractor's Address: TBD

Contractor's Telephone No.: TBD

Description of Project:

CES served as a subconsultant to Craven Thompson & Associates, Inc. for professional services to the City of Aventura, Florida. The scope of services included above and below water inspections of 4,500 LF of seawalls on numerous City-owned parcels of land. CES' findings were summarized in a written report to the City that included a phased repair program with estimated construction costs for each phase. This information was used by the City to prepare budgets for implementation of a seawall repair program to be conducted over the next three fiscal years.



Haulover Marina Expansion – Phase II

Client's Name: Miami-Dade County Park & Recreation Department

Client's Representative: Edgar Lugo, Construction Manager

Client's Address: 275 NW 2nd Street, 4th Floor, Miami, Florida 33128

Client's Telephone No.: (305) 755-7850

Key Personnel Involved in the Design Phase Services: Nelson Ortiz, P.E., Richard Bochnovich, P.E., John Guttman, P.E., and Robert Guttman

Design Services Fee: \$510,600

Estimate of Construction Cost: \$8,850,000

Name of Contractor: Shoreline Foundation, Inc.

Contractor's Award Amount: \$9,781,560

Contractor's Representative: Mr. Carlos Varela, P.E. / Mr. Johnny McGhee, P.E.

Contractor's Address: 2781 S.W. 56th Avenue, Pembroke Park, Florida 33023

Contractor's Telephone No.: (954) 985-0460

Description of Project:

The project included Phase II of a major renovation and expansion of the marina and support facilities at this County owned and operated facilities located adjacent to Haulover Inlet. The scope of the project included dredging of about 40,000 cy of baybottom; about 350 linear feet of new seawall; new marginal docks to accommodate up to 36 boats; new piers to accommodate 100+ boats; utility services including water, fire protection, electric and lighting; about 100 spaces of new parking; driveway and parking modifications; drainage upgrades; new site and parking lighting; and, landscape improvements.

Under contract to Miami-Dade County Parks, Recreation and Open Spaces Department, CES served as prime consultant for the design, preparation of construction documents, permitting and construction administration services for this project. Design work was started in late 2001; and, generally completed in 2005. Construction of the project was then delayed due to funding issues; but started in 2007. The project was then divided into two further construction phases to allow the facility's commercial fishing fleet to maintain operations during construction.



Fisher Island Northside Seawall Replacement

Client's Name: Fisher Island Community Association, Inc.

Client's Representative: Jim Politis, Vice President

Client's Address: One Fisher Island Drive, Miami, Florida 33109

Client's Telephone No.: (305) 535-6043

Key Personnel Involved in the Design Phase Services: John Guttman, P.E., Nelson Ortiz, P.E., Ben Prewitt, P.E. and Robert Guttman

Design Services Fee: \$96,063

Estimate of Construction Cost: \$880,000

Name of Contractor: Shoreline Foundation, Inc.

Contractor's Award Amount: \$960,000

Contractor's Representative: Mr. Carlos Varela, P.E. / Mr. Johnny McGhee, P.E.

Contractor's Address: 2781 S.W. 56th Avenue, Pembroke Park, Florida 33023

Contractor's Telephone No.: (954) 985-0460

Description of Project:

CES provided professional services for the replacement of 400 LF of steel sheet pile wall along the north side of Fisher Island adjacent to Government Cut where the water depths were in excess of 40 feet. As a result, it was necessary to use steel sheet piles that were 80 feet in length. The scope of services included underwater inspections of the existing wall, planning, permitting, design, and construction administration. The planning services included coordination with underground utilities to avoid conflicts with the installation of the sheet pile sections. The underwater inspections included structural inspections of the existing wall. The permitting services included obtaining environmental/coastal permits from Miami-Dade County Department of Environmental Resources (DERM), FDEP and the USACE. The design services included detailed structural calculations to determine the thickness and length of the sheet pile sections which had a tip elevation of -70.0 National Geodetic Vertical Datum (NGVD). The construction administration services included assistance with bidding, preconstruction meetings, review of shop drawings, review of draw requests, preparation of as-built drawings, and final certifications.



City of Miami Beach N.W. 77th Street Bridge Repairs

Client's Name: City of Miami Beach Public Works Department

Client's Representative: Jose Rivas, P.E.

Client's Address: 1700 Convention Center Drive, Miami Beach, Florida
33139

Client's Telephone No.: (305) 673-7080

Key Personnel Involved in the Design Phase Services: John Guttman, P.E., Nelson Ortiz, P.E., Ben Prewitt, P.E., and Robert Guttman

Design Services Fee: \$60,491

Estimate of Construction Cost: \$35,052

Name of Contractor: TBD

Contractor's Award Amount: TBD

Contractor's Representative: TBD

Contractor's Address: TBD

Contractor's Telephone No.: TBD

Description of Project:

CES is currently providing professional services to the City of Miami Beach for the repair of an existing low-level fixed span bridge over the Tatum Waterway on Miami Beach. The scope of services includes above and below water structural inspections, permitting, design, and construction administration. The underwater inspections included structural inspections of the existing wall. The permitting services included obtaining environmental/coastal permits from Miami-Dade County DERM, FDEP, USACE and U.S. Coast Guard. The design services included preparation of contract documents including plans and technical specifications. The construction administration services will include assistance with bidding, preconstruction meetings, review of shop drawings, review of draw requests, preparation of as-built drawings, and final certifications.



Southgate Towers Fishing Pier, Observation Deck, Seawall and Marina

Client's Name: Gumenick Properties, Inc.

Client's Representative: Skip Nash, Vice President

Client's Address: 6600 West Broad Street, Richmond, Virginia 23230

Client's Telephone No.: (804) 288-0011

Key Personnel Involved in the Design Phase Services: John Guttman, P.E., Nelson Ortiz, P.E., Ben Prewitt, P.E., and Robert Guttman

Design Services Fee: \$192,440

Estimate of Construction Cost: \$1,950,000

Name of Contractor: Shoreline Foundation, Inc. – Fishing Pier and Observation Deck
Marin & Marin Construction, Inc. - Seawall and Marina

Contractor's Award Amount:

Contractor's Representative: Mr. Johnny McGee, P.E. – SFI
Mr. Rafael Marin – M&M

Contractor's Address: \$1,950,000

Contractor's Telephone No.: \$1,910,000

Description of Project:

The project included replacement of four existing structures on the site which is located on Biscayne Bay serving this multi-family residential complex. The structures consisted of a wood fishing pier, 400 LF of concrete seawall, 10,000 sf concrete observation deck and a 22 slip concrete marina.

CES has been providing coastal engineering services to the client on a continuous basis since 2006 under a phased repair/replacement program. During this period, CES has worked on four projects. The scope of these services has included benthic resource surveys, underwater inspections, permitting, design and preparation of construction documents, and construction administration. The permitting services included obtaining environmental/coastal permits from Miami-Dade County DERM, FDEP and the USACE. The design services included the preparation of construction drawings, and the construction administration services included assistance with bidding, preconstruction meetings, review of shop drawings, review of draw requests, preparation of as-built drawings, and final certification.



Additional projects that the Terracon team subconsultants have provided services for include:

- Florida Keys Aqueduct Authority, Cathodic Protection from Key Largo to Key West
- Key West Naval Air Station
- Trumbo Point, Key West, Florida
- Truman Annex, Key West, Florida
- Boca Chica, Boca Chica Key, Florida
- Former Key West Gas & Electric, Key West, Florida
- Miscellaneous Gas Stations throughout the Keys
- Perry Court, Key West, Florida
- Garrison Bright Marina, Key West, Florida
- Lexington Hotel, Key West, Florida
- Horace O'Bryant Middle School, Key West, Florida
- Conch Harbor Marina, Key West, Florida
- Safe Harbor, Stock Island, Key West, Florida
- Old Shrimp Road, Stock Island, Key West, Florida
- Naval Air Station, Truman Annex, Key West, Florida
- Muffler Shop, Stock Island, Key West, Florida
- FAA Site, Key West, Florida
- Former K-Mart, Key West, Florida
- Days Inn, Key West, Florida
- Ocean Key Resort and Spa, Key West, Florida
- City of Key West D.O.T.
- Navy Exchange, Key West, Florida
- US Coast Guard, Key West, Florida
- Monroe County Fleet and Facilities Management



Section 4 Ability to Perform Services, Location, and Availability

Terracon has a ***solid understanding of the standards, level of response and budget demands*** that are contemplated by the City of Key West due to our ***extensive experience in the successful completion of these types of contracts***, our ***familiarity with the governmental process, and in-house resources and equipment***.

Proposed Management Approach:

We understand that the purpose of this solicitation is to retain professional environmental and coastal engineering services for a variety of projects. As the prime consultant on this team, Terracon fully understands the needs, concerns, challenges and expectations of the City of Key West. Further, we understand the scope of services shall be within the general practice of professional environmental consulting and that services will be provided as individual specific task orders on an as-needed basis. The specific type of work and needs typically evolve as each project goes through project planning, development and design. Hence, the extent, duration, and technical scope of the requested or needed services may vary considerably from project to project and may involve single and multi-tasks of varying complexity and specific type of technical work.

Mr. Steven A. Harrison, P.G., Contract/Project Manager, is intimately familiar with the ASTM environmental assessment standards and FDEP rules and guidelines that will apply to the services under this contract. We anticipate that those standards and regulation will include, but may not be limited to: ASTM E 1527-13: Phase I ESA; ASTM E 1903-11: Phase II ESA; Florida Administrative Code (FAC) 62-7780: Assessment and cleanup criteria for petroleum, all other, dry-cleaning and Brownfields sites (Chapter 62-780 has been revised to broaden its applicability and replace 62-770, 62,782 and 62-785); FAC 62-777: Soil and Groundwater Cleanup Target Levels; FAC 62-761 and 62-762: Underground and aboveground storage systems; FAC 62-701: Solid waste management facilities; US Resource Conservation and Recovery Act and FAC 62-730: Hazardous Waste Management.

Terracon's overall goals and objectives are to provide highly specialized services within the professional engineering practice by incorporating our local knowledge and experience of subsurface conditions. ***We are solution oriented. Terracon offers the project management skills, technical expertise, relevant project experience, manpower and in-house equipment resources to serve as a solid foundation for this contract.*** Our philosophy in providing services on a continuing contract is to be an extension of your internal staff. In that regard, it is our goal to have City staff feel secure in the knowledge that whatever services or tasks are required of us, that they will be completed in a very professional, timely and efficient manner.

More specifically, the work objective at a minimum will include considerations of the following:

- Safety of our staff, City staff, residents and visitors.
- Satisfactory and timely performance of the agreed upon tasks.



- Performance of the work within the approved cost break down or task budget.
- Work closely with the City to define a scope of work for various tasks to achieve technical and cost objectives.
- Provide qualified personnel and resources capable of performing the required tasks within an agreed upon time frame with the recognition that time is almost always of the essence.
- Provide qualified licensed professional geologist, professional engineers, asbestos consultants (LAC) and inspectors, mold assessors and Certified Radon Measurement Specialists registered in the State of Florida to direct appropriate environmental engineering and testing services.
- QA/QC to ensure quality data and reports to the City.

Our approach to complete the scope of services indicated in the contract documents will be similar to the successful work approach that has been implemented in other public sector contracts/projects successfully completed. The primary key of our project approach is the assignment of a **principal (single) point of contact**, a Project Manager, who will be a reliable advocate for the City. Senior environmental staff will support the Project Manager in the execution of the required scope of services. The Project Manager will oversee all of the assignments within their area of expertise and will be supported by the office and field staff whose experience level is commensurate with the work assignment.

Mr. Harrison and his team are prepared, equipped, experienced, and skilled in providing all of the services as outlined in the RFQ documents. All services requested will be performed under the direction of Mr. Harrison a licensed professional geologist and mold assessor in the State of Florida. All field staff are under medical surveillance in accordance with 29 CFR 1910, 40-hour HAZWOPER trained and current with their 8-hour annual refresher. In addition, all personnel participating in supervision of personnel are 8-hour trained as HAZWOPER supervisors.

If selected, Terracon will consider that we are an extension of the City staff. Once we have been informed by the City of contract award and tasks to be performed, Mr. Harrison will meet with the City staff to gain a good understanding of the tasks to be accomplished. Our staff will meet to layout the project implementation including staff and subconsultants to be involved. The project team will meet regularly to be sure that all tasks are on track concerning timelines and cost schedules. Pre-task planning for every field assignment will include a job hazards analysis and communication regarding those potential health and safety concerns between the project manager and field staff. The City will be appraised of the schedule.

The City will be appraised of project schedules prior to initiation. At the start of each project, Mr. Harrison, along with other key staff, will determine the activities most significant to the completion of the project/task. The time for each activity will be assessed, the coordination and selection of staff verified, and the scheduling sequence will be developed. Adhering to this type of scheduling assures the coordination of the team and outside contractors, etc. will be on time.



Also, when circumstances arise where the schedule must be changed, the changes can be incorporated into the schedule without disturbing the flow of the project.

The capacity to complete a project in designated time frames requires strong leadership. Our past success is based on demonstrated leadership capabilities, and the ability to manage resources for a successful project. Additionally, we have developed the expertise, resources, technical capabilities, and tracking systems to ensure completion of assignments on schedule and within budget. For example, our Oracle-based project management and weekly electronic time sheet submittal system enables Terracon to provide each project manager with a complete accounting for all time and expenses incurred by each project under his/her supervision by Wednesday evening through the previous Saturday evening. This real time management system enables each project manager to take immediate actions to control costs and mitigate overruns.

Terracon’s internal QC system requires that we constantly evaluate costs and project budget concerns throughout the duration of our projects. Our experience allows us to design cost-effective solutions to complex projects. Terracon is sensitive to the fact that phasing and design complexities are factors that influence project costs. We have a long track record of not only completing projects within budget, but also of finding innovative ways to reduce the overall project costs for the client.

Terracon prides itself on working with the client to stay ahead of proposed schedules while protecting the owner’s interest. We understand that many times finishing ahead of schedule can create cost savings for the owner.



Our commitment to the City of Key West is to provide you with the highest quality personnel with the specific experience necessary to complete any tasks the City may need. It is our pledge to the City that adequate staff will be made immediately available once a task has been identified.



Terracon has the facilities and equipment necessary to respond expeditiously to each task order for the City of Key West. ***The key staff members assigned to a project will be fully committed to this project until all phases of the work are completed, providing the most cost effective continuity required to efficiently complete the project on time and within budget.***

Technical reports, engineering designs and construction documents will be prepared by the Site Manager using data provided by our subcontractors and field staff. These reports will be prepared employing Microsoft Word (narrative), Excel (tables, cost estimates), and AutoCAD (maps/drawings) software for presentation to the City in Adobe format on compact discs or emailed along with bound hard copies. Alternately, we can provide reports at our secure client document website where authorized City employees can directly download documents placed in that file folder by the Project Manager.

Ultimately, draft assessment reports will be reviewed by an authorized project reviewer (APR) with substantial practical experience (e.g., Professional Geologists Eric Krebill, Mark Mulligan or David Beerbower) for completeness, accuracy, grammar and appropriate data evaluation and recommendations to ascertain that the City's needs are met and that the work complies with applicable regulations. Remediation system design documents will also go through a rigorous APR process by a professional engineer. The author of the report will then incorporate any necessary edits and submit the draft report or a final, sealed report to the City.

Our management plan emphasizes: 1) a full-service organized team effort to provide clear lines of responsibility and authority; 2) a qualified and experienced environmental project manager and key members to manage a multi-disciplined, multi-task contract; 3) community safety and health of all participants; 4) documented communications via e-mail, work requests and chain-of-custody records to ensure efficient, effective team work; 5) pre-determined QA/QC procedures to expedite completion and justify results; 6) cost control and schedule control system designed to maximize efficiency of operations by providing weekly financial reports; and 7) up-to-date Excel spreadsheet project status tracking that is always available to the City's Site Manager. With this approach, we play to the strength of our staff because technical issues are quickly addressed by our Site Managers while contract and management issues along with complex technical issues are handled by our Project Manager.

The health and safety of our employees and contractors, City staff and contractors, and Florida residents and visitors is of utmost importance. To ensure that the potential for accidents and exposure to hazardous or toxic substances is avoided, Terracon will prepare and enforce a site health and safety plan, for each assigned task involving intrusive assessment. All field personnel assigned to petroleum or hazardous waste assessment or cleanup tasks will remain current with HAZWOPER training and fit testing requirements and required certifications.

Ability to Perform Services Expeditiously:

Due to the inherent risk of environmental projects, rapid reporting of results is crucial and a strength of our project team. Rapid results lead to project efficiencies, increase project safety and result in cost savings. Should any unusual conditions or technical challenges arise on your



projects, our key team members are highly experienced professionals that can provide immediate advice and practical solutions. For laboratory testing, the key to rapid turnaround time is having well trained and experienced laboratory technicians at local laboratories. Through our national agreement with EMSL Analytical and Pace Analytical, we receive preferential pricing based on the large volume of work that we subcontract. The City of Key West will benefit from those volume discounts.

Location and Availability of Project Manager and Technical Support:

Terracon's backlog projections are based upon a few large projects that can be projected over a period of a year. However, the majority of our projects are small to medium sized, consisting of individual projects valued at less than \$10,000 with durations less than two months. Our staff and resource capacity is sufficiently large to handle our current plus projected workload as well as being able to respond successfully to emergency situations and quick turnaround type projects. The majority of our key personnel, including our Project Manager and technical support, work fulltime from our South Florida offices including Miami, Fort Lauderdale, and West Palm Beach. In addition to the resources and staff available in our South Florida offices, Terracon can pull in resources on an as-needed basis from any one of our other nine offices. Our industrial hygiene staff, which provides services throughout the State as needed, are located in Fort Lauderdale, Winter Park, Tampa, and Jacksonville.

Our ability to quickly expand our capacity relies on two practices that provide significant competitive advantages for the company. First, we have built-in systems to share work between all of our offices. This is accomplished by rewarding both the office supporting projects and the office requesting help, creating a culture that supports a seamless sharing of employees. The team has sufficient professional resources to accomplish the work in the required time, including the ability to complete more than one task order at a time, and to react quickly and efficiently when working within an accelerated schedule. Individual offices do not receive a profit and loss (P&L) statement, thus increasing the likelihood and willingness of offices to cooperate and share resources.

Second, in short-term periods of heavy workload, our employees are willing to work overtime hours. Terracon offers pay incentives to professional employees for working overtime hours, making it possible to expand our capacity. While the firm has a strong philosophy of providing a consistent team of professionals in order to ensure consistency and familiarity with the client and their projects in a geographic area, both of these systems allow us to provide experienced Terracon employees to the project manager on short notice to achieve the consistent quality deliverables in a timely manner when workloads and schedules require additional support.



Section 5 Other Certifications

The following required forms follow hereafter.

- Anti-Kickback Affidavit
- Public Entity Crimes Form
- Equal Benefits for Domestic Partners Affidavit
- Cone of Silence Affidavit
- Certificate of Liability Insurance
- Addendum 1
- Certificate of Authority


ANTI-KICKBACK AFFIDAVIT

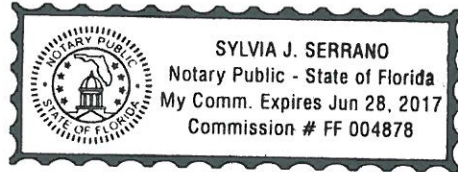
STATE OF FLORIDA)
 : SS
COUNTY OF Broward)

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

By: 
Richard A. Minichiello, Principal

Sworn and subscribed before me this
1st Day of July, 2014.


NOTARY PUBLIC, State of Florida at Large



My Commission Expires: 6/28/2017

**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. 14-004 for
Environmental Engineering Services

2. This sworn statement is submitted by Terracon Consultants, Inc.
(Name of entity submitting sworn statement)

whose business address is 5371 NW 33rd Avenue, Suite 201, Fort Lauderdale, Florida
33309 and (if applicable) its Federal
Employer Identification Number (FEIN) is 42-1249917 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Richard A. Minichiello and my relationship to
(Please print name of individual signing)

the entity named above is Principal.

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 Environmental Services.)

Richard A. Minichiello
(Signature)

July 1, 2014

(Date)

STATE OF Florida

COUNTY OF Broward

Richard A. Minichiello

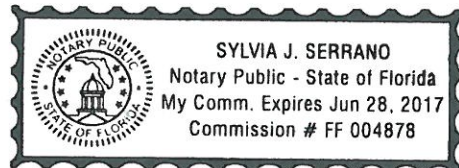
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Richard A. Minichiello who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 1st day of July, 2014.

My commission expires:
NOTARY PUBLIC 6/28/2017

Sylvia J. Serrano




EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

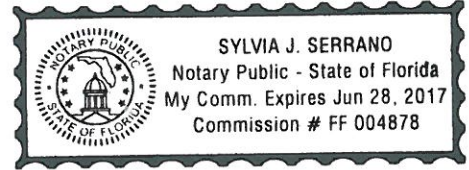
STATE OF FLORIDA)
 : SS
COUNTY OF Broward)

I, the undersigned hereby duly sworn, depose and say that the firm of Terracon Consultants, 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: 
Richard A. Minichiello, Principal

Sworn and subscribed before me this
1st Day of July, 2014.


NOTARY PUBLIC, State of Florida at Large



My Commission Expires: 6/28/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies, LLC-1 Kansas City 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME: PHONE (A/C, No, Ext): _____ FAX (A/C, No): _____ E-MAIL ADDRESS: _____													
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: AIG Specialty Insurance Company</td> <td>26883</td> </tr> <tr> <td>INSURER B: Travelers Property Casualty Co of America</td> <td>25674</td> </tr> <tr> <td>INSURER C: The Travelers Indemnity Company</td> <td>25658</td> </tr> <tr> <td>INSURER D: Lexington Insurance Company</td> <td>19437</td> </tr> <tr> <td>INSURER E: The Charter Oak Fire Insurance Company</td> <td>25615</td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: AIG Specialty Insurance Company	26883	INSURER B: Travelers Property Casualty Co of America	25674	INSURER C: The Travelers Indemnity Company	25658	INSURER D: Lexington Insurance Company	19437	INSURER E: The Charter Oak Fire Insurance Company	25615	INSURER F:
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INSURED TERRACON CONSULTANTS, INC. 1312891 18001 W. 106TH STREET, SUITE 300 OLATHE KS 66061														

COVERAGES TERCO01 CERTIFICATE NUMBER: 11281774 REVISION NUMBER: XXXXXXXX


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> CONTR'L LIABILITY GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	N	N	PROP3779274	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	N	N	TC2J-CAP-131J3858 TJBAP131J3895	1/1/2014 1/1/2014	1/1/2015 1/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
A	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____	N	N	PROU1920977 (EXCLUDES PROF. LIAB.)	1/1/2014	1/1/2015	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	TRKUB131J3846 (AZ,MA,WI) TC2OUB131J3742 (AOS)	1/1/2014 1/1/2014	1/1/2015 1/1/2015	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	PROFESSIONAL LIABILITY	N	N	26030216	1/1/2014	1/1/2015	\$1,000,000 EACH CLAIM & \$1,000,000 ANNUAL AGGREGATE

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
FOR INFORMATIONAL PURPOSES ONLY, EXCESS LIABILITY SITS ON TOP OF GENERAL AND AUTO LIABILITY.

CERTIFICATE HOLDER

CANCELLATION

11281774 SPECIMEN	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
----------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



**CITY OF KEY WEST
3126 Flagler Avenue
Key West, FL 33040**

ADDENDUM NO. 1 – RFQ Environmental Engineering/ ITB 14-004

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

RFI Questions Submitted:

1.) Does the bid require that respondents be a licensed PE?

Yes, you should include a Licensed PE on your team.

2.) Can a Prime submit as a sub to another firm? Also, can a sub-contractor submit with more than one firm?

Yes.

3.) Please confirm the attached (46 pages) is the complete PDF for the subject submittal. Page 1 of the PDF states that the document is 47 pages in length. It also states that the "Request for Qualifications" section is 10 pages in length. However, per the attached, the section is 8 pages. I just want to be sure there are no missing pages.

Yes there are 46 pages and there are only 8 pages in the RFQ section.

4.) Under the "Scope of Work" section on page 7 of the RFQ, services from a Resident Project Representative would be required. Would a RPR differ from the Engineer of Record in this instance?

Yes, the RPR is the on-site staff providing daily (or other agreed on frequency) oversight (e.g., inspection)

5.) May firms only submit for one discipline or would a sub-consultant be needed to satisfy all service requirements per submission?

Must submit for all, using a sub-consultant as necessary.

6.) Will there be any page number limitations for any part of the qualification package?

Unless otherwise so stated in the RFQ, no limit

7.) Is there an incumbent? If so, can you provide the company name?

There is not an "incumbent" relative to an Environmental-specific General Services RFQ.

8.) Just to clarify the RFQ instructions, please advise: Put COPY Response and CD-ROM in envelope, seal it, mark it COPY and place inside of Envelope with ORIGINAL Response and CD-ROM, then seal that envelope? One envelope inside of another, correct?

Correct.

9.) Signed certifications are required by prime and subs, or just prime?

Just prime

10.) Please confirm that the required forms (Anti-Kickback Affidavit, Public Entity Crimes Certification, Equal Benefits for Domestic Partners Affidavit, and Cone of Silence Affidavit) are to be completed by the prime consultant only.

Correct.

11.) Are insurance certificates required to be provided at the time qualifications packages are submitted?

Yes

12.) Is a "description of the contractor's employee benefits plan" (page 17 of the RFQ) required to be included with the executed Equal Benefits for Domestic Partners Affidavit?

No

13.) Please confirm that electronic signatures are acceptable as originals.

Electronic signatures are acceptable

All Bidders 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

Terracon Consultants, Inc.

Name of Business

CERTIFICATE OF AUTHORITY

Please be advised that Richard A. Minichiello is the Office Manager for the Fort Lauderdale Office of Terracon Consultants, Inc. Mr. Minichiello is authorized to execute contracts and documents on behalf of Terracon Consultants, Inc.



E. Lynn Price
Corporate Secretary

6/23/14

Date



Responsive.

Resourceful

Reliable

Terracon

www.terracon.com