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July 8, 2014

City Clerk
City of Key West
3126 Flagler Ave.
Key West, FL 33040

**RE: Request for Qualifications No. 14-004: Environmental Engineering Services**

GLE Associates, Inc. is pleased to submit our proposal to provide City of Key West with professional Environmental Engineering Services. Supported by our track record and past performance, we are highly qualified to fulfill your needs, and we invite your careful review of the enclosed documentation and look forward to working with you.

As a full-service facilities and environmental consulting firm, GLE has completed thousands of environmental consulting projects for both public and private clients, since 1989. In fact, we have successfully completed projects for more than 35 different multi-facility government entities, including the Cities of Miramar, North Miami Beach, Deerfield Beach, Miami; Miami-Dade, Broward, Manatee, Pinellas, Osceola, St. Lucie and Seminole Counties; Broward, Pinellas, Hillsborough and Citrus County Schools; Miami and Pompano Beach Housing Authorities. Each will attest to our high level of service.

Licensed in the state of Florida to provide environmental consulting services, GLE is highly experienced in performing environmental services, including asbestos, ESA and IAQ consulting in accordance with all EPA, FDEP, OSHA, AHERA and local regulations. Our multi-disciplined team of professionals consists of licensed and registered asbestos and lead consultants, AHERA-certified project designers, Certified Industrial Hygienists, architects, engineers, geologists and EPA-accredited project monitors and EPA-accredited asbestos inspectors.

We also have on staff EPA accredited lead based paint inspections, risk assessors and designers. GLE is committed to continuing to support all the architectural/engineering and environmental needs of the City of Key West through unparalleled quality and professionalism. We sincerely appreciate this opportunity to respond to your Request for Information and look forward to the prospect of working with you on more projects.

Please contact me at 754-223-2697 if you have any questions or need any additional information.

Respectfully yours,

Robert B. Greene, PE, PG, CIH
President

Lucas Barroso-Giachetti, PE, CHMM
Contract Manager

# REQUEST FOR QUALIFICATION FOR ENVIRONMENTAL ENGINEERING SERVICES

RFQ No. 14-004

ORIGINAL

July 9, 2014

GLE

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## SECTION 1
Specialized Experience and Technical Competence

## SECTION 2
Professional Qualifications/Staff Personnel/Capacity

## SECTION 3
Past Work Experience

## SECTION 4
GLE's Ability/Location/Availability

## SECTION 5
Certifications

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# SECTION 1 — *Specialized Experience and Technical Competence*

Since 1989, thousands of clients have trusted GLE to guide them in the evaluation, design and construction of buildings and properties. With our extensive line of in-house services, we can be a vital member of your project team. Our multi-disciplined staff of nearly 60 employees includes engineers, geologists, environmental scientists, Certified Industrial Hygienists, industrial hygienists, architects, project managers, supervisors, field technicians and laboratory specialists. This diverse team provides us with a complete understanding of all aspects of a property, leading to accurate, timely results and enabling us to provide:

## Environmental Services

*Building Sciences and Remediation Services:*

GLE is a leading expert in building sciences, helping clients solve challenging issues with asbestos, indoor air quality (IAQ), mold, lead-based paint (LBP) and radon. Our team of environmental professionals, engineers and architects provide the following services:

- Facility surveys and inspections
- Laboratory analyses
- Operations and maintenance plans
- Risk management/hazard assessment
- Training
- Abatement design and project management
- Turnkey abatement

*Site Environmental Assessment and Remediation Services:*

We have extensive experience addressing site environmental issues of any size or complexity, including hazardous wastes, soil, groundwater, wastewater and underground storage tanks. Our site environmental services include:

- Environmental due diligence
- Contamination assessments
- Environmental engineering
- Remediation design
- Turnkey remediation and construction
- Operations and maintenance

## Architecture and Site Design Services

- Architecture
- Master planning
- Land planning
- Space planning
- LEED consulting/adaptive reuse

## Engineering Services

- Civil Engineering
- Mechanical engineering
- Electrical engineering

## Building Assessment Services

- Property condition assessments
- ADA surveys
- Roof consulting
- Forensic A&E

With GLE, you have a single partner who can evaluate your buildings and properties, identify issues of potential concern and develop cost-effective solutions that can be implemented immediately.

## Catastrophe and Insurance Services

- Cause and origin investigations
- Wind and water loss evaluations
- Fire damage and loss assessments

## Occupational Health and Safety Services

- Industrial hygiene
- OSHA compliance
- Health and safety training

## Construction Management Services

- Owner's representative services
- Plan and cost reviews
- Construction inspections
- Construction funds control
- Program management
- Construction management for a fee

# SECTION 1 — *Specialized Experience and Technical Competence*

As a recognized property consulting leader, GLE has provided comprehensive environmental engineering and building sciences consulting services to numerous public agencies throughout Florida. The majority of our work has been completed under continuing service contracts which have focused on asbestos, lead, indoor air quality (IAQ), radon, environmental engineering and architecture, totaling over $175 million in construction costs over the last five years.

GLE's environmental professionals can provide analysis of single-building elements or entire buildings as part of our services. This experience, combined with our ability to provide successful project management and administration, creates a unique team, able to meet the comprehensive coordination needs of this contract. Many firms responding to this opportunity are capable of completing the routine environmental tasks associated with environmental consulting. However, few possess the certified and experienced staff to address all of the issues that need to be considered for each project.

**GLE's specialized offerings include:**

- Full Service office with Emergency Response Capability
- Regional staff of specifically assigned multi-disciplined professionals with an additional pool of more than 20 cross-trained staff members to be assigned, as necessary, to meet the City of Key West's requirements
- Vast experience and expertise in all areas of asbestos and lead management, including design, project monitoring, site supervision and Operations & Maintenance Program design and implementation
- Three Certified Industrial Hygienists (CIH's) and over 18 industrial hygienists company-wide
- In-house certified and accredited NVLAP laboratory
- In-house XRF capabilities for performing lead paint surveys
- EPA/State approved asbestos training courses
- Contaminated Site Assessment activities including various types of subsurface investigations, monitoring well installation oversight, groundwater sampling, and report preparation in accordance with Florida Department of Environmental Protection (FDEP) and/or various County standards
- Hydrogeological Investigations and Engineering evaluations of remedial options and/or existing systems including cost evaluations
- Remedial System Construction Oversight and Operation & Maintenance (O&M)
  GLE was selected by the FDEP as an Agency Term Contractor (ATC) in the North, Central, and South Regions to perform these services, including site assessment and site evaluations.
- Underground Storage Tank (UST) assessment and closure consulting services
  GLE has successfully abandoned and/or closed dozens of USTs across the state of Florida and obtained No Further Action (NFA) and/or Site Rehabilitation Completion Order (SRCO) status for site owners and public entities alike. In addition, GLE is a state of Florida Pollutant Storage System Specialty Contractor (PSSSC).
- Due Diligence Services including Phase I and II Environmental Site Assessments (ESAs), Third Party Reviews, Transaction Screen Assessments, permitting and compliance reviews, hazardous materials consulting services including lead and asbestos containing materials (ACM), mold assessments and remediation oversight, and compliance document preparation including Emergency Response Plans (ERPs), Spill Prevention, Control, and Countermeasure (SPCC) Plans, and Stormwater Pollution Prevention Plans (SWPPP)

GLE strives to provide our clients with the highest quality of work, professionalism and timely client service, which is proven by our long-term relationships with public sector clients. Our extensive experience working under term environmental contracts provides us with a unique understanding of the scope outlined in this Request for Proposal. As a full-service property consulting firm, we have the experience, personnel and equipment necessary to meet the multiple needs anticipated by this contract.

# ENVIRONMENTAL ENGINEERING

## CONTAMINATED SITE INVESTIGATION & REMEDIATION SERVICES

ASSESSMENT/REMEDIATION SERVICES: GLE's offices are staffed with professional engineers, geologists and senior scientists, who have extensive experience in the assessment of property impacts (e.g. petroleum, solvents, hazardous materials), identification, evaluation and selection of remediation treatment technologies (e.g. excavation, air-sparge/ soil vapor extraction (AS/SVE), Dual-Phase Extraction (DPE), Multi-phase Extraction (MPE), land farming, soil washing and/or Bioremediation) for cleanup of a property. GLE can provide the following environmental cleanup services:

- Site Assessments and SAR Preparation
- Remedial Action Plan Preparation (LSRAPs and Full RAP Preparation)
- Bid Package Preparation and Bidding Services
- Contract Preparation and Negotiation
- Remediation System Installation/Construction (RAC)
- Remediation System Operation & Maintenance (O&M)
- Well Sampling and Site Monitoring (PARM)
- Site Reconstruction to Pre-Cleanup Conditions

As previously mentioned, GLE is an ATC contractor for FDEP's Petroleum Restoration Program (PRP) in the South Region where the City of Key West is located and is experienced in these services.

## INDUSTRIAL HYGIENE SERVICES

GLE offers the expertise of a team of industrial hygiene and occupational health and safety consultants and technicians to help clients develop and implement thorough, cost-effective industrial hygiene programs that meet all EPA, OSHA and other related regulations. We can conduct comprehensive sampling and analysis for a broad range of airborne contaminants, including metals, organics, silica, toxic gases and vapors, particulates, asbestos and other fibers, dust, acids and welding fumes. Our in-house analysis of workplace contaminants is backed by our stringent quality assurance controls. Our team of CIHs, scientists and professional engineers are also experienced in monitoring and assessing worker exposures to physical agents, including noise, ionizing and non-ionizing radiation and heat stress. We also provide consulting services in testing, sampling, analysis and risk assessment.

LEAD-BASED PAINT: GLE provides total LBP management from survey through abatement. A typical LBP project begins with an initial survey, thorough LBP testing and evaluation, and abatement design and implementation. GLE uses our own equipment, which includes an RMD XRF for on-site determination of lead in paint. Our experienced team members have designed, managed and performed contract administration tasks on various lead, asbestos and environment projects, ensuring rapid response. All of our staff has had both the initial and refresher EPA approved lead hazard training courses.

ASBESTOS CONSULTING SERVICES: GLE offers complete asbestos consulting services. GLE has a long history conducting asbestos services and is the recognized leader in Florida for asbestos management. Our staff of asbestos consultants, EPA-AHERA certified building inspectors, contractor supervisors, management planners, designers, project managers and industrial hygienists has extensive experience providing cost-effective asbestos management services to public sector clients. Asbestos management services offered by GLE include:

- Abatement Project Management
- Drawings and Specifications
- Ambient Air Monitoring (using NIOSH 582 trained industrial hygiene technicians)
- Contract Administration/Estimating
- Facility Surveys and Inspections

- Laboratory Analyses
- Operations & Maintenance Plans
- Risk Management/Hazard Assessments
- Training of Custodial & Maintenance Personnel
- Employee Awareness Training
- Cost Recovery Services
- Respiratory Protection Program

MOLD ASSESSMENTS & REMEDIATION DESIGN: GLE helps clients address mold concerns quickly, offering the blend of expertise needed to develop responsible, cost-effective solutions that make sense for each client. With a highly qualified team of mold experts and more than a decade of experience solving indoor air problems, GLE is leading the field of mold assessment and remediation design. Our extensive practical experience, combined with a strong base of biological and structural expertise, helps ensure mold issues are addressed properly, greatly minimizing each client's financial risk.

## UNDERGROUND STORAGE TANK SITE SERVICES

ABOVE/UNDERGROUND STORAGE TANKS (AST/UST): GLE's senior staff are experts in dealing with Petroleum Preapproval Program (PRP) and/or AST/UST Sites and are well known and respected by FDEP staff. Additional environmental services GLE offers, regarding petroleum distribution systems include the following:

- Closure Assessments (Tanks, Spill Buckets, Sumps, Dispenser Liners) conducted with 24 hours notice (Field Work Completed in 48 hours)
- LCAR Preparation for Secondary Discharges conducted within 30 days (Historic and Current Plume Size Comparison conducted prior to report submittal)
- SRFA Agreement Negotiation (Contamination Constituent and Plume Size Comparisons conducted and estimated cost impact calculated prior to SRFA negotiation with DEP)
- Limited Source Removal Initiative Site Cleanup with UST Upgrades Evaluations UST Upgrades/Remediation System Installation Coordination

PROPERTY TRANSACTIONS/DUE DILIGENCE (PHASE I ESAs): GLE's senior engineers and geologists have considerable practical experience, giving them the ability to easily identify whether remediation is required or if site-specific, alternative site rehabilitation levels (SRLs) may be proposed. GLE's professional geologists and engineers have extensive experience negotiating with State (FDEP) and local environmental regulatory agencies to ensure that remedial action is taken only if necessary and appropriate.

## REAL ESTATE SUPPORT SERVICES

GLE's staff has performed thousands of Phase I ESAs in accordance with ASTM E-1527 for numerous clients nationally including commercial lenders, private land owners, and municipalities. Our staff are experts in the evaluation of properties for acquisition by our clients. Each Phase I ESA prepared by GLE includes the following:

- Site Condition Evaluations
- Evaluations of Past Site Use and Operational Practices
- Property Title Searches (if required)
- Tenant Records and Archive Researches
- Aerial Photos, Site Maps and Plan Reviews
- Interviews with Previous Owners
- Construction Records
- Environmental Regulatory Searches
- Current Commercial & Industrial Operations
- Inventory of On-Site Hazardous Materials, Records & MSDS
- Review of Environmental Files and Permits
- Sanborn Maps (if available)
- Evaluation of Various Environmental Transport Routes

Should a recognized environmental condition (REC) be identified, GLE will prepare a scope of work to address the potential for soil & groundwater impacts, implement the scope, and prepare a Phase II ESA report in accordance with industry standards which will include many of the following services:

- Development of Testing Programs
- Site Explorations using Soil Borings (DPT)
- Excavation of Test Pits
- Collection and Sampling Soil, Surface Water and Groundwater
- Installation of Groundwater Monitoring Wells
- Sampling and Identification of Potentially Hazardous Waste
- Sampling of Liquid and Sediment in Streams, Ditches, Ponds and Surface Runoff
- Sampling Suspect Areas of Past Spills
- Soil Vapor Surveys and Monitoring
- Geophysical Investigations
- Analysis of Groundwater Flow and Contaminant Transport
- Vapor Encroachment/ Vapor Intrusion Issues

Each Phase II ESA is unique and developed specifically to address each REC, based upon the results of the Phase I ESA and the site-specific investigation constraints (utilities locations, building locations, etc.). Once the Phase II ESA is completed, GLE will determine if the site requires further investigation or if there is no basis for further investigation or remedial action.

In addition to the Phase I and II ESA services GLE has successfully performed for private clients such as major U.S. banks and local governments throughout South Florida, GLE conducts a variety of specialized Real Estate Support and Due Diligence Services including Transaction Screens and Third Party Reviews of previous assessments, permitting and compliance reviews, preparation of SPCCs, hazardous materials assessments (e.g. ACM, LBP, mold, etc.), and other assessments to identify potential issues with existing and/or proposed buildings.

# COASTAL ENGINEERING

Sandra Walters Consultants, Inc. (SWC) has been providing services since 1997 in all areas of ecological and environmental consulting; and land use and public facilities planning and permitting; including habitat assessments, wetland permitting and mitigation design, environmental impact statements, compliance monitoring, development agreements, and submerged land leases.

| Types of Coastal Stuctures |
|---|
| Docks |
| Marinas |
| Seawalls |
| Bridges |
| Erosion control |
| Beach design |
| Beach renourishment |

SWC has extensive experience working with regulatory agencies to develop project designs that minimize impacts and meet permitting requirements, and to bring clients into compliance with regulatory standards. The firm has conducted data collection and analysis, and written environmental and planning sections of NEPA documents for FDOT, the FAA, the South Florida Water Management District, and U.S. Army Corps of Engineers, and also provides environmental compliance monitoring services during construction.

SWC uses state-of-the-art Geographic Information Systems (GIS) technology to make accurate assessments of jurisdictional areas and facilitate graphic data presentation. SWC is also fully trained in utilization of State and federal wetland assessment methodologies and provides a range of services in contamination assessment, including conducting Phase I and II environmental site assessments, and soil and groundwater testing and reporting.

SWC is certified as a disadvantaged business enterprise (DBE) with the State of Florida, South Florida Water Management District (SBE), Florida Department of Transportation, Broward, Dade (also SBE) and Lee counties, and is a woman-owned small business (WOSB) with the federal government.

The company is also very experienced at coordinating communications, including public information and involvement programs and is fully acquainted with all NEPA requirements. SWC can provide plan development; community outreach and consensus building using various tools such as workshops, seminars and public meetings; and preparation and placement of advertisements. The firm has full multimedia capabilities for production of public presentations, websites, newsletters, news releases, and all support documents.

The firm has offices in Monroe, Dade, Broward and Lee counties, providing services throughout the South Florida peninsula, both on the coast and inland.

**CONTRACT MANAGER**
LUCAS BARROSO-GIACHETTI, PE, CHMM

**PRINCIPAL-IN-CHARGE**
ROBERT B. GREENE, PE, PG, CIH, LEED AP

**QA/QC DIRECTOR**
BUILDING SCIENCES
MICHAEL COLLINS, CIH, CIEC

**QA/QC DIRECTOR**
SITE ENVIRONMETNAL
PAUL BELEYA, PG

**CONTAMINATED SITE INVESTIGATION & REMEDIATION**
PAUL BELYEA, PG
LUCAS BARROSO-GIACHETTI, PE, CHMM
MICHAEL MULLEN, PE
JEFFREY KNIGHT

**INDUSTRIAL HYGIENE**
JOHN SIMMONS, JR.
RAFE PADGETT, CIAQP, CIEC
JEFFREY KNIGHT
BRANDON CHRISTENSEN

**UNDERGROUND STORAGE TANKS**
PAUL BELYEA, PG
LUCAS BARROSO-GIACHETTI, PE, CHMM
MICHAEL MULLEN, PE
JEFFREY KNIGHT

**REAL ESTATE SUPPORT SERVICES**
LUCAS BARROSO-GIACHETTI, PE, CHMM
MICHAEL MULLEN, PE
JEFFREY KNIGHT

**COASTAL ENGINEERING**
SANDY WALTERS, MA
JAMES BRUSH, PE
DIANA ARANDA, MS

## ORGANIZATIONAL STRUCTURE

GLE is a licensed facilities, architecture, engineering and environmental services consulting firm that provides comprehensive environmental consulting, architecture, engineering, and construction/remediation services. Our professional staff includes Professional Engineers (PEs), Professional Geologists (PGs), Licensed Asbestos Consultants (LACs), Certified Industrial Hygienists (CIHs), Registered Architects (RAs), and Licensed General and Asbestos Abatement Contractors.

Unlike traditional environmental firms, GLE offers a professional design staff, including registered professional architects and engineers, to address traditional renovation and construction issues. We accept the challenges these projects provide, and we assign senior technical staff from both the environmental and architectural/engineering and fields to work together, producing a complete and well-coordinated solution.

One of the key criteria to the success of this contract will be our consistency of personnel. Because of our extensive experience, GLE will eliminate confusion and reduce administration time for each of your projects. We commit to maintain the management team outlined below and will add additional senior environmental professionals with extensive environmental consulting experience throughout the duration of this contract if need be.

GLE proposes to utilize **Robert B. Greene, PE, PG, CIH, LAC, LEED AP,** as the Project Principal, he will oversee the entire project team and perform senior review, as necessary, for this contract. He is a LAC, CIH, lead inspector, risk assessor and designer; PE and PG in Florida. He has served as a LAC in Florida since 1984. As president of GLE, Mr. Greene can commit the total resources of the company to the successful execution of this contract. He is serving in this same capacity for several other environmental term contracts.

**Lucas Barroso-Giachetti, PE, CHMM** will serve as Project Manager for this contract. He has over 12 years of experience. He has successfully performed and managed hundreds of projects, including environmental assessment and remediation, due diligence, regulatory compliance, solid waste, environmental health and safety (EH&S) and landfill development. He is very knowledgeable with Phase I and Phase II Environmental Site Assessments.

**Paul Belyea, PG**, will serve as Quality Assurance and Quality Control Director for Site Environmental. Mr. Belyea is a Professional Geologist with over 35 years of experience in environmental and geological consulting. As Director of Environmental and Engineering Services in Tampa, he is responsible for the management of environmental services. His capabilities span all sectors of environmental consulting with specific expertise in petroleum contamination, including site assessments, remediation technology evaluation and selection, and environmental construction management. Mr. Belyea has also served clients by providing litigation support for expert witness testimony.

**Michael Collins, CIH, CIEC** will serve as Quality Assurance and Quality Control Director for Industrial Hygiene Sciences. He has over 18 years of experience in planning and managing complex environmental projects and investigations. He has conducted contamination assessments and hazardous material assessments involving organic vapor monitoring and soil sampling for a wide range of chemical contaminants. As a CIH, Mr. Collins has conducted numerous mold, industrial hygiene and IAQ investigations. Specially trained in mold assessment and remediation in buildings, he provides recommendations and remediation designs for the cleanup and removal of contaminants, including post remediation sampling and clearance testing.

**John Simmons, Jr.** will serve oversee the Industrial Hygiene tasks under this contract. He has over 25 years of experience and serves as the Director of South Florida Operations. He manages the daily operations, business development, client relations and contract negotiations for the area. His experience in the environmental consulting services field includes a diverse background in facilities consulting, contracting, general construction, environmental remediation and environmental compliance. Mr. Simmons has a proven ability to manage regional and national contracts for a variety of clients that include public sector, private and industrial clients. He has also served as an instructor for EPA-approved Asbestos Worker and Supervisor courses at the University of Florida.

**Sandra Walters** will serve as Project Manager for Coastal Engineering. She has more than 25 years of professional experience in Florida. She is qualified as an Expert Witness in Florida administrative hearings and court proceedings; has conducted and supervised environmental studies, and developed avoidance and mitigation plans, in all South Florida submerged and upland habitats; has successfully permitted projects ranging from single family homes to developments of regional impact, working with all regulatory agencies; has extensive experience in design and implementation of public participation programs and review and development of comprehensive plans; and has represented clients successfully with many agencies and government boards. She is presently serving as immediate past chair of the South Florida Regional Planning Council, appointed by former governors Bush and Crist; serves on EPA's Water Quality Steering Committee for the Florida Keys; and served from 2000 to 2004 as a Governor's appointee on Florida's Acquisition and Restoration Council, which supervises purchase and management of State conservation lands.

**James Brush, PE** will serve as Project Engineer for all Coastal Engineering Services. During Mr. Brush's career in civil and environmental engineering he has provided consulting and construction management services to industry and government with emphasis in industrial and hazardous waste management, site investigations, remediation/contamination cleanup, groundwater monitoring; underground fuel storage tank closures; fuel storage facilities inspections and certifications. He also has extensive civil and marine engineering experience, having designed a number of stormwater management systems as well as site development and marina projects.

**Diana Aranda, MS** will serve as Project Manager for Coastal Engineering Projects. She is a well-rounded biologist and experienced field researcher who is highly skilled with Geographic Information Systems (GIS) software and mapping and familiar with Florida Keys and South Florida wetlands and agency jurisdictional determinations, and is skilled in conducting marine and coastal habitat assessments. She is experienced in Phase I environmental site assessments, and in designing and implementing water quality monitoring programs. Ms. Aranda is also fully conversant with Florida's Clean Marina program, and is currently assisting a local marina in the process of acquiring a Clean Marina status from FDEP. Through her work she is also experienced in communications, as well as database collection and management. For example, when Ms. Aranda worked on the wastewater improvement water quality monitoring projects in Marathon (in collaboration with NOAA, FIU and EPA), she was responsible for extensive coordination with team members and the public, and she has managed complex databases associated with several projects.

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# LUCAS BARROSO-GIACHETTI, PE, CHMM

*Contract Manager/Project Engineer*

## SUMMARY

Mr. Barroso's has over 12 years of experience. He has successfully performed and managed hundreds of projects, including environmental assessment and remediation, due diligence, regulatory compliance, solid waste, environmental health and safety (EH&S) and landfill development. He is very knowledgeable with Phase I and Phase II Environmental Site Assessments. Mr. Barroso is fluent in Spanish in business and technical terminology.

## PROJECT EXPERIENCE

**Florida Department of Environmental Protection (FDEP) Petroleum Restoration Program:** Mr. Barroso-Giachetti is the current contract manager for the South Region involving management of over ten (10) site assessments, ground water confirmation sampling, and remedial system operation and maintenance (O&M) sites totaling over approximately $400,000.

**Port of Miami Tunnel Project (POMT) – Nicholson Construction:** Prepared the Spill Prevention Control and Countermeasure Plan (SPCC) utilized during drilling and grout injection activities by Nicholson Construction for the POMT. Developed the SPCC for maritime drilling activities on floating barges off Watson Island and Dodge Island. GLE worked closely with Nicholson Construction and Bouygues Civil Works Florida personnel during development and implementation of the SPCC Plan, which was submitted and approved by Miami-Dade County.

**Branch Banking & Trust Company (BB&T) and JPMorgan Chase (Chase):** Provided environmental consulting services to BB&T and Chase related to environmental assessment of properties throughout the State of Florida. Worked closely with risk management and environmental managers for these banks in the evaluation of potential environmental risks associated with various properties. Completed numerous environmental assessments including Transaction Screens and Phase I Environmental Site Assessments (ESAs) in accordance with American Society for Testing and Materials (ASTM) guidelines. Managed numerous limited Phase II ESA investigations and source removals throughout Florida for these banking clients.

**Bass Pro Shops:** Conducted an environmental compliance review of Bass Pro Shops facilities in the State of Florida. These compliance reviews identified potential non-compliance areas within the facilities as it relates to permitting, handling and/or storage of non-hazardous and hazardous materials, fuel storage and handling, local and state reporting requirements based on facility activities and more. Based on the findings of the compliance review, GLE developed a Compliance Action Plan in order to achieve compliance with regulatory requirements and implement new procedures.

**Jacksonville Memorial Hospital:** Mr. Barroso-Giachetti has been involved in the management and completion of various environmental and industrial hygiene projects including sampling and reporting of industrial waste (IW) and related permitting, air permitting including preparation of FDEP Annual Operating Reports (AORs), and mold assessments.

## YEARS OF EXPERIENCE

12

## EDUCATION

Bachelor of Science
Environmental Engineering - 2002
*University of Florida*

Minor in Business Administration - 2002
*University of Florida*

## LICENSES

Professional Engineer
FL 68283

## CERTIFICATIONS

Certified Hazardous Materials Manager (CHMM)

## TRAINING

HAZWOPER

## PROFESSIONAL AFFILIATIONS

Institute of Hazardous Materials Management

**Private Client - Emergency Response and UST Closure:** GLE was retained by a private Client to provide environmental consulting services due to the discovery of an abandoned underground storage tank (UST) during site development activities at a property located in South Florida. The property was located in an environmentally sensitive area adjacent to a protected waterway and mangroves, which required a swift, careful, and well thought out response to the discovered contamination. A prompt response plan was developed and subsequent assessment activities were performed which resulted in the effective removal of the contaminated soils so the construction activities could resume on schedule. The project approach involved the constant involvement and coordination of the project stakeholders including the Client and regulatory agencies. GLE coordinated with Collier County, U.S. Coast Guard and FDEP officials from the onset of the project and provided an action plan for the mitigation of the onsite soil and groundwater impacts while protecting the adjacent environmentally-sensitive areas. GLE obtained a Site Rehabilitation Completion Order (SRCO) for the site.

**Miami International Airport:** Mr. Barroso-Giachetti is involved in many aspects of the management and consulting services at Miami International Airport (MIA). GLE has been contracted by the Miami-Dade Aviation Department (MDAD) since 1991 to provide miscellaneous hazardous engineering services. To date, we have completed approximately 175 individual projects totaling over $1.25 million in fees. Work has included facilities consulting, including IAQ assessments and remedial design for asbestos, lead and radon. GLE completed a highly sensitive asbestos remediation project in Building 5A (the primary MDAD administration facility), where IAQ issues were identified and addressed. GLE's design and construction administration skills enabled the project to be completed on schedule without displacing the current occupants or causing a loss of staff productivity. The work involved the coordination of four (4) other consultants and five (5) contractors performing work on each of the five (5) floors simultaneously with work areas ranging from 5,000-8,000 SF each.

**CCI Solutions**: Mr. Barroso-Giachetti served as Project Manager and PE of records for this environmental assessment and remediation project, involving weekly communication and interface with regulatory authorities, developing the remedial approach and technical submittals, oversight of field activities, and managing GLE staff and numerous subcontractors. GLE Associates, Inc. (GLE) was retained by CCI Solutions, LLC (CCI and Client) to conduct environmental assessment, regulatory interface, and excavation oversight services at Operational Unit 30 (OU-30) related to a discharge of asphalt and asphalt-contact wastewater on March 19, 2013, from a runway area located within the Homestead Air Reserve Base (HARB) in Homestead, Miami-Dade County, Florida. During the project, GLE communicated and coordinated with the following governmental agencies:

Florida Department of Environmental Protection (FDEP)
United States Environmental Protection Agency (USEPA)
United States Air Force (USAF)
United States Army Corps of Engineers (USACE)
Miami-Dade County Department of Regulatory and Economic Resources (RER)

**JIGS, LTD**: Mr. Barroso-Giachetti served as Project Manager and PE of records for this environmental assessment and remediation project, involving communication with FDEP and Collier County authorities, developing technical submittals, oversight of field activities, and managing GLE staff and numerous subcontractors.

**Choice Recycling Services of Miami:** Client Service Manager for a Material Recovery Facility (MRF) and provided solid waste consulting services related to operational modifications, regulatory compliance, and other solid waste permitting issues. Managed over $100,000 in total contracts and was responsible for leading Miami-Dade County Department of Environmental Resources Management (DERM) and FDEP permitting efforts for commingled recyclable materials and construction and demolition debris (C&D). Permitting efforts involved preparation of engineering plans, interfacing with FDEP and DERM personnel, operations plan, FDEP Environmental Resource Permit (ERP), financial assurance, closure plans, and meeting zoning requirements.

**Biscayne Landing (Former Munisport Landfill)** – North Miami, Florida: Managed nearly $250,000 in total contracts per year since 2009. Designed landfill gas (LFG) management systems and other environmental permitting issues for a billion dollar residential/commercial landfill redevelopment project by Boca Developers/Biscayne Landing, LLC in North Miami during 2007 and 2008. Directed permitting and LFG management system design efforts related to phased-development over former landfill including interfacing with FDEP and DERM representatives. Completed a comprehensive revision of a site-wide methane gas management plan addressing methane monitoring action limits in habitable spaces, response protocols, and LFG management components based on construction methods (e.g. slab on grade, pile caps, etc.). Provided technical expertise for design of sub-foundation LFG management systems beneath multiple acres of both residential and commercial development on a former landfill. Experienced with all components of LFG management systems including passive venting, gas sensor placement, liner selection and evaluation, and other construction issues. Prepared yearly Financial Assurance Cost Estimate (FACE) to FDEP and grant draw requests.

**Waste Management of Florida – Miami-Dade and Broward Counties,** Florida: Conducted Phase I ESA and comprehensive compliance review of MRF and Lakefill operation in Pompano Beach, Florida. Prepared a Source Evaluation Plan for submittal to Broward County in order to assess groundwater quality issues including iron, total dissolved solids (TDS), tetrachloroethylene/trichloroethylene (PCE/TCE), and ammonia for purchase of MRF. Broward County concurred with the conclusion identifying upgradient source of PCE/TCE due to typical daughter products identified in routine groundwater monitoring.

**Community Asphalt Corporation, Inc. – Miami-Dade County:** Responsible for management of permit-required semi-annual groundwater and surface water monitoring and ammonia assessment projects for lakefill site in Miami-Dade County. Managed approximately $50,000 in contracts per year since 2007. Conducted soil sampling activities for soil (muck) reuse purposes on a US-1 expansion project near Florida City. Prepared a sampling plan and reviewed soil data for a potential reuse at FPL wetlands mitigation project, or for use as fill in residential development projects. Interfaced with (DERM) to obtain approval for use in a residential development project with minimum engineering controls. Completed an asbestos abatement project of a former Florida Department of Transportation (FDOT) bridge on the US-1 expansion project near Florida City.

**AAR Aircraft Services (Formerly Avborne Heavy Maintenance) – Miami, Florida:** Conducted a comprehensive environmental compliance review of a 250,000 square foot aircraft maintenance and painting operation located at the Miami International Airport (MIA) for adherence to DERM, FDEP, and Environmental Protection Act (EPA) guidelines and regulations. Assisted and trained several company employees on best management practices (BMPs) and applicable regulations. Interfaced with DERM Airports and Contracts Section and Miami-Dade Aviation Department (MDAD) representatives during the review process to achieve compliance in many areas related to MIA regulations. Produced the following plans and management tools for facility managers and staff: Stormwater Pollution Prevention Plan (SWPPP); SPCC; DOT Security Plan; Hazardous Waste Management, Tracking, and Strategies; DERM Industrial Wastewater (IW) permitting; DERM Volatile Organic Compounds (VOC) Emissions Permits; Hazardous Waste Stream Analysis and Characterization; and Superfund Amendments and Reauthorization Act (SARA) Tier II Reporting.

F**lorida Power and Light – Miami-Dade County:** Managed nearly a quarter million dollars of assessment, source removal, and reporting activities during 2010. As Project Manager for multiple electrical substations in Miami-Dade County, conducted soil and groundwater assessments for arsenic contamination from historical herbicide application and also responsible for oversight of soil and groundwater sampling for delineation and source removal activities. Provided technical oversight of source removal within active Florida Power and Light (FPL) substations within schedule and budget. Responsible for preparation of several technical reports for Miami-Dade County substations for submittal to DERM including Site Assessment Reports (SARs), Remedial Action Plans (RAPs), and Source Removal Reports (SRRs). Developed sampling and source removal strategy based on 95% Upper Confidence Limit (UCL) guidelines and other risk factors. Implemented and managed a pilot test at an FPL substation involving in-situ chemical reduction of arsenic through a precipitation and adsorption agent (EHC).

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# ROBERT B. GREENE, PE, PG, CIH, LEED AP

*President*

## SUMMARY

Mr. Greene has served in the engineering, environmental consulting, construction, and remediation arenas for more than 35 years. He has been president of GLE since 1989 and has managed numerous consulting and contracting projects for public and private sector clients throughout the United States. In addition, he has served as an expert witness for litigation of environmental and construction issues.

Mr. Greene has served as an EPA-approved instructor for the University of Florida, the Environmental Institute and GLE courses that deal with hazardous wastes, environmental compliance, asbestos, lead, radon, and Indoor Air Quality issues.

Mr. Greene is on the forefront of new state and federal regulations dealing with environmental issues. He was appointed by the governor to the Florida Asbestos Committee, which was responsible for developing state asbestos regulations.

## PROJECT EXPERIENCE

*PUBLIC SECTOR*

Mr. Greene has served as Principal-in-Charge for various public sector term contracts including the City of Casselberry, Coral Springs, Haines City and Tampa; Broward, Hillsborough, Lake, Manatee, Osceola, Pinellas, Seminole and St. Lucie Counties; the Florida Department of Environmental Protection (FDEP), Management Services, Military Affairs, Transportation and Veteran Affairs; the Federal Emergency Management Agency (FEMA), and the Naval Facilities Engineering Command Southeast (NAVFAC SE). His success in this arena is dependent upon GLE's ability to offer each client many diversified services. When issues arise during projects, he is able to quickly mobilize GLE resources to develop cost efficient solutions. GLE was contracted to perform an in-depth building envelope, Indoor Air Quality and water intrusion study at the Lake County Government Courthouse. During this project Mr. Greene also utilized his in-house Mechanical, Electrical and Plumbing Engineering staff to complete an extensive HVAC system assessment to quantify and identify the presence of mold and other contaminants, which proved to be in the client's best interest.

*PRIVATE SECTOR*

Mr. Greene serves as Principal-in-Charge for various private sector clients including General Growth Properties, the Sears & Roebuck Company, and BB&T. GLE has held these contracts for many years due to high client satisfaction and the ability to alter operations and standards to satisfy the needs of the private sector.

**Jackson Memorial Hospital:**

Mr. Greene served as Senior Environmental Engineer and Senior Geologist since 1990, for this ongoing environmental term contract. He has managed more than 200 separate projects dealing with indoor air quality, asbestos consulting, preparation of contamination assessment plans, performance of contamination assessment and risk assessment. As part of this program, GLE has trained over 200 maintenance and environmental services personnel. Mr. Greene has supervised IAQ investigations for various areas and facilities in the hospital and developed detailed recommendations for modifications or other remedial actions to improve the indoor air quality. During one investigation of the pharmacy, it was noted that hospital personnel were working with a number of cancer testing drugs that were carcinogenic if inhaled. Since these experimental drugs did not have TLVs or sampling/testing protocols, GLE developed a testing and analysis procedure for detection of low airborne concentrations of these chemicals.

## YEARS OF EXPERIENCE

35

## EDUCATION

Bachelor of Science Civil Engineering - 1983
*Georgia Institute of Technology*

Master of Science Engineering Geology - 1979
*Georgia Institute of Technology*

Bachelor of Science Geology - 1977
*University of Florida*

## LICENSES

Professional Engineer
FL 36498 | AL 22293 | GA PE015025 | LA 30644 | MS 13408 | NC 23689 | SC 18504 | TN 00113197 | TX 91643

Professional Geologist
FL PG1737 | GA 000614

Asbestos Consultant
FL EA0000009

Asbestos Contractor
FL CJC046288

Asbestos Project Designer
MS AFB-00006019

Asbestos Project Designer
SC ASB-22257

General Contractor
FL CGC047543

Pollutant Storage System Contractor
FL PCC056722

## EDUCATIONAL FACILITIES

Mr. Greene has served as Principal-in-Charge on projects for over 50 school districts, including Alachua, Brevard, Broward, Citrus, DeSoto, Duval, Gulf, Hamilton, Hernando, Hillsborough, Jackson, Jefferson, Lee, Levy, Madison, Manatee, Orange, Pinellas, Seminole, Suwannee, Volusia and Washington Counties.

He has also managed large architectural and environmental remediation projects for Florida Atlantic University, St. Petersburg College, the University of Florida, and the University of South Florida. Projects have included the design and implementation of four prototype schools, as well as the design of three modular classrooms, Indoor Air Quality, mold, asbestos, lead, hazardous waste, soil and groundwater contamination and emergency response. Mr. Greene's success in this arena has led to an impressive rate of renewals among term contracts.

## PUBLIC HOUSING AUTHORITIES

Mr. Greene has successfully completed numerous projects for Public Housing Authorities. He has served as Principal-in-Charge for architectural/engineering and environmental consulting projects, including the design and construction management for a $1.7M community demolition for the Tampa Housing Authority. Representative clients include Avon Park, Brooksville, Broward, Clearwater, Deerfield Beach, Ft. Pierce, Jacksonville, Lee County, Manatee County, Marietta, Miami Beach, Ocala, Pasco County, Pinellas, Pompano Beach, Sarasota, St. Petersburg, Tampa and West Palm Beach Housing Authorities.

## EXPERT WITNESS

*Womble, Carlyle, Sandridge and Rice:*

GLE has served as an environmental consultant for the law firm of Womble, Carlyle, Sandridge and Rice since 2006, successfully completing over 10 multidisciplinary projects for the firm on behalf of BB&T. The range of services provided to the firm has included Phase I Environmental Site Assessments (ESAs), asbestos surveys, preliminary mold investigations, Limited Phase II Environmental Site Assessments, wetland surveys, well surveys, and erosion control assessment on commercial and residential properties. GLE also assisted the firm in the completion of a Hazardous Site Response Program (HSRP) notification for a commercial property that had impacts to soil and groundwater above its applicable notification requirements. All of these projects required a comprehensive report and a rapid turn around times.

*The Modern – 1515 S. Flagler:*

Prior to construction of a new luxury facility, an existing 30-story structure at 1515 South Flagler had to be removed (planned for implosion) from the site. As construction activities moved from planning to a contractual stage, GLE was retained to perform confirmatory testing for asbestos and determine a scope of work that would pertain to the proper removal and disposal of identified Asbestos Containing Materials (ACM) prior to demolition. Mr. Greene was then requested to present GLE's case, on behalf of the Owner, to the Florida Department of Environmental Protection (FDEP) in Tallahassee. The consensus reached was that another round of sampling was collected for point-count analysis and the samples came back below 1%.

Therefore, the stucco material in question was not defined as ACM and not subject to National Emissions Standards for Hazardous Air Pollutants (NESHAP) regulation, and the Owner avoided spending an estimated $2M removal of this material as ACM.

## LICENSES (continued)

Lead Project Designer
FL P-12787-2 |
GA 80 PD 07133636 |
SC P-12787-1

Lead Risk Assessor
FL R-12787-4

Mold Assessment Consultant
TX MAC0507

Radon Measurement Specialist
FL R1330

Radon Mitigation Specialist
FL R1582

## CERTIFICATIONS

Certified Industrial Hygienist (CIH)
Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
Level II Certified Design Professional

## TRAINING

Asbestos Contractor Supervisor
Asbestos Inspector
Asbestos Management Planner
Asbestos Project Designer
Lead Project Designer
Level II Intro to Design
Mold Assessment Consultant

## PROFESSIONAL AFFILIATIONS

American Board of Industrial Hygiene
American Industrial Hygiene Association
CEO Council
Environmental Information Association
Florida Engineering Society
National Society of Professional Engineers
National Council of Examiners for Engineering and Surveying

## WATER AND MOLD CONSULTING

Mr. Greene served as project manager and Certified Industrial Hygienist for the damage assessment of buildings in the aftermath of Hurricanes Charlie and Katrina. GLE assessed over 3,000 buildings and provided remediation designs. Work was performed with numerous teams throughout Florida and the Gulf Coast.

## DEMOLITION EXPERIENCE

Mr. Greene has served as the project manager for the demolition of numerous facilities throughout the United States. Representative projects include Sunland Hospital (Orlando, FL), University of Florida – Hume Hall Dormitory, Hangar 747 – San Bernardino International Airport, Riverview Housing Complex, and Central Park Housing Neighborhood.

## INSPECTION / ASSESSMENT

*Naval Facilities Engineering Command Southeast (NAVFAC SE):*

GLE completed work on a contract for the NAVFAC SE involving Lead-Based Paint Inspections and Risk Assessments at 13 Naval Bases within Florida, Illinois, Indiana, Mississippi, South Carolina, Tennessee and Texas. Mr. Greene provided project supervision of approximately 1,500 housing units that were randomly picked for inspection and assessment, with reports documenting the results of the field work for over 70 individual neighborhoods associated with these bases. All work was conducted in accordance with EPA and HUD guidelines as part of the due diligence process for privatization of base housing.

A private management company acquired all units within the Southeast Region, with the intention of demolition and redevelopment of military housing communities. Due to the planned demolition, asbestos surveys were required for each facility. GLE was awarded these surveys due to superior work on the previous contract. In addition, GLE provided air monitoring and inspections during the asbestos abatement.

*Tampa Bay Housing Authority:*

Mr. Greene served as the project principal and senior technical consultant for this IDIQ contract in which GLE served as environmental consultant and remediation contractor since 1998. He directed projects including environmental site assessment and engineering, asbestos and lead-based paint consulting and abatement for the demolition of multiple housing projects for reconstruction under the Hope VI Program. He also coordinated lead inspection and risk assessment services in response to elevated child blood lead levels and abatement of interior and exterior portions of the housing units based on the results of the lead inspections and risk assessments. GLE served as the project engineer and construction manager for the building demolition and site redevelopment of the Riverview Terrace Apartments and Central Park Village.

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# MICHAEL B. COLLINS, CIH, CIEC

*Principal Certified Industrial Hygienist*

## SUMMARY

Mr. Collins has 17 years of experience in planning and managing complex industrial hygiene (IH) and environmental projects and investigations. As a Certified Industrial Hygienist (CIH), Mr. Collins has conducted and directed chemical exposure assessments and air sampling for a wide range of contaminants. Additionally, Mr. Collins has conducted a variety of OSHA-related activities, including noise surveys, hearing threshold shift counseling, respiratory fit testing, and general and local ventilation assessments. Most recently, Mr. Collins developed GLE's EPA-approved Lead Renovation, Repair, and Painting (RRP) training program. Mr. Collins is also an approved Lead RRP training instructor. Specially trained in mold assessment and remediation in buildings, Mr. Collins provides recommendations and remediation designs for the cleanup and removal of contaminants, including post remediation sampling.

As an EPA AHERA accredited asbestos inspector, management planner and project designer, Mr. Collins has conducted a multitude of asbestos surveys, developed asbestos management plans and designed technical specifications for large and small-scale asbestos removal projects. From 1999 through 2003, Mr. Collins concurrently served as the Lab Manager of a NVLAP-accredited asbestos lab responsible for laboratory compliance.

Mr. Collins currently serves two primary roles within GLE, his primary function is the corporate role of Principal CIH, providing senior technical support for IH, asbestos, lead, radon, Indoor Air Quality (IAQ), training programs and safety related projects to all offices. Most recently, Mr. Collins revised the corporate Health and Safety Plan, developed the corporate Quality Assurance Manual, and has in the past developed two (2) California-approved asbestos training courses. Mr. Collins' secondary responsibility is the overall administration of the Nashville, Tennessee branch of GLE. Mr. Collins is responsible for day-to-day operations, project management, business development, and employee development.

## PROJECT EXPERIENCE

**Confidential National Retailer:** Mr. Collins served as Principal CIH for multiple moisture testing (including concrete slabs and vertical construction materials) projects in Key West, Florida.

**Gerald Adams Elementary School, Key West, Florida:** Mr. Collins served as Principal CIH for the proper remediation and subsequent post-remediation activities involving mold-impacted building materials.

**Jackson Memorial Hospital:** Mr. Collins serves as Principal CIH for this an environmental term contract. GLE Has held this contract since 1990 and during this time GLE has performed over 210 projects related to indoor air quality (IAQ), asbestos consulting, preparation of contamination assessment plans, performance of contamination assessments, and risk assessments. Realizing that hospital surgical rooms, intensive care units, emergency rooms and life support equipment must have a non-interrupted power supply, GLE operates under strictregulations and caution. A power supply failure in this environment could be catastrophic.

## YEARS OF EXPERIENCE

18

## EDUCATION

Bachelor of Science Industrial Hygiene and General Chemistry, 1995, *University of North Alabama*

## LICENSES

Asbestos Inspector
TN A-I-43628-28937

Asbestos Management Planner
KY P13-08-1916
TN A-MP-43628-28936

Asbestos Project Designer
AL APD0913525359
TN A-PD-43628-28935

Mold Assessor
FL MRSA73

## CERTIFICATIONS

Certified Industrial Hygienist
Certified Indoor Environmental Consultant

## TRAINING

Asbestos Inspector
Asbestos Management Planner
Asbestos Project Designer
HAZWOPER
Lead Renovator
OSHA 10-hour Training Course, A Guide to Voluntary Compliance,
OSHA 30-hour Training Course, General Industry Safety and Health

M-D Building Products: Mr. Collins developed and directed an IH air sampling and occupational noise assessment for a national client within their Oklahoma and Georgia manufacturing facilities. The IH air sampling included the collection of 192 IH air samples. The noise evaluation consisted of area noise monitoring utilizing SPL meters, area noise monitoring utilizing noise dosimeters and personal noise monitoring utilizing noise dosimeters pursuant to OSHA regulatory requirements.

Mr. Collins also directed the performance of job safety analyses and confined space evaluations throughout the Georgia manufacturing facility. The job safety analyses consisted of a client-escorted comprehensive facility walkthrough and review of existing operations, procedures and employee functions in an effort to identify tasks that have recognizable associated hazards.

M-D Building Products was contacted by OSHA after completion of these IH compliance activities and requested the use of GLE's procedures and reporting as examples of "best industry practice."

School Board of Broward County: Mr. Collins served as one of GLE's project CIH for a term environmental consultant contract with the School Board of Broward County, Florida. Included in the scope of this contract were asbestos, lead, mold and related IAQ consulting services and remedial actions. Under this contract, Mr. Collins has completed projects, including asbestos inspection for AHERA compliance, asbestos abatement, IH consulting, building envelope assessments, HVAC assessments, lead-based paint (LBP) inspection, contamination assessments, remedial design, and emergency response.

**Northrop Grumman/St. Augustine:** Mr. Collins was field operations manager for extensive lead, asbestos and radon survey of military installations (six (6) facilities, approximately 500,000 SF). He was also project designer for the asbestos abatement of 100,000 SF facility, managed contractor supervision and air monitoring services. As project manager responsible for air sampling program related to exposure monitoring for paint stripping product containing Methylene Chloride, he conducted numerous events consisting of time weighted average 8-hour exposures and short-term exposures.

**Jacksonville Electric Authority (JEA):** Mr. Collins provided task management, field operations and project management for various asbestos, lead-based paint surveys, exposure assessments for asbestos and lead, Polychlorinated Biphenyls (PCB) surveys, IH assessments, (including sampling and analysis for chromium VI, nickel, vanadium, arsenic, total dust and respirable dust), IAQ investigations/ inspections, including fungal inspections and sampling, emergency response to disturbances of asbestos and lead containing materials and arsenic and fly ash sampling.

**Blue Cross Blue Shield of Florida:** Mr. Collins was task manager for comprehensive asbestos services projects including Client's AHERA-based Asbestos Management Program of multi-facility complex (Riverside Office Complex) encompassing greater than 500,000 SF. He also served as project manager responsible for project design, site personnel supervision and interface with client for multi-phase asbestos abatement projects including occupied spaces at the Riverside Office Complex.

## PROFESSIONAL AFFILIATIONS

- Academy of Industrial Hygiene
- American Board of Industrial Hygiene
- Indoor Air Quality Association – National Member
- American Industrial Hygiene Association – National Member
- American Industrial Hygiene Association Middle Tennessee Local Section President (2009); President-elect (2008); Treasurer (2007)

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# PAUL BELYEA, PG

*Director of Environmental Sciences & Engineering & Federal Government*

## SUMMARY

Mr. Belyea is a Professional Geologist with more than 35 years of experience in environmental and geological consulting. He is responsible for the management of all environmental services, including environmental engineering. His capabilities span all sectors of geological and environmental consulting, including geologic research, petroleum exploration, and specific expertise in contamination, including site assessments, remediation technology evaluation and selection, and environmental construction management.

Mr. Belyea is an expert in the workings of the Florida Department of Environmental Protection (FDEP), and is routinely involved in the evaluation of suggested alternatives proposed by the FDEP and/or local regulatory agencies and the negotiation and final selection of remediation technologies with regulatory personnel. He has also served clients by providing litigation support for contested contaminated properties.

Mr. Belyea has been successful in the negotiation of cost sharing agreements with the State of Florida for several petroleum-impacted sites, which has successfully reduced the cost of remediation project(s). This provided value-added items (new buildings, canopies, etc.) for facilities at the State's expense, due to the value added by both the State and owner by combining upgrades with cleanup projects.

Finally, Mr. Belyea has experience with fixed price petroleum cleanups, which has been demonstrated through several projects conducted for the Florida Department of Environmental Protection (FDEP) under the Pay for Performance (PFP) and the Performance Based Cleanup (PBC) program.

## PROJECT EXPERIENCE

**Coca-Cola Enterprises, Inc.:** As project manager, performed contamination assessments for multiple petroleum contamination areas and recommended remedial alternatives to Coca-Cola Enterprises, Inc. for sites in Florida.

**CSX Transportation, Inc.|CSX Intermodal, Inc.:** As project manager, performed contamination assessments in response to multiple contamination sources at six CSXT and three CSXI facilities, which included significant creosote contamination.

**Environmental Protection Commission of Hillsborough County:** Manager of the contract, prepared proposals and negotiated costs, supervised investigations and recommended remedial alternatives for 60 sites. Two separate contracts with the Environmental Protection Commission of Hillsborough County for the State of Florida Super Act Contract Program (Petroleum Site Cleanup Program).

**Expert Witness/Technical Support:** In support of litigation (defense) on several projects for various confidential clients, Mr. Belyea prepared technical evaluation of technical reports (Remedial Action/Feasibility Studies, Assessments, etc.); performed complete file reviews of all litigation materials; and prepared detailed summaries of relevant documents and findings supporting each client's position. He evaluated, recommended and implemented (where appropriate) assessment activities to confirm technical issues and formulate defense strategies.

**General Electric, Inc.:** Served as project geologist for the Resource Conservation and Recovery Act (RCRA) closure of the Plating Waste Disposal Site for a facility in Mebane, North Carolina. Duties included supervising active remediation and post remediation

## YEARS OF EXPERIENCE

35

## EDUCATION

Master of Science, Marine Science Geology - 1980
*University of North Carolina*

Bachelor of Science, Biology/ Geology - 1977
*University of Rochester*

## LICENSES

Professional Geologist
FL PG174 | GA PG001256 | KY KY-0888 | NC 0506 | TN 00003125

## TRAINING

HAZWOPER

## PROFESSIONAL AFFILIATIONS

Florida Petroleum Marketers Association
Florida Professional Geologists Association
Geological Society of America

## PUBLICATIONS

Alonso, J.C., N.N. Hatch and P.R. Belyea. 1989. *Innovative Approach to On-Site Remediation of Contaminated Soils.* Proceedings of the Sixth National Conference

Thunell, R.C., D.F. Williams and P.R. Belyea. 1984. *Anoxic Events in the Mediterranean Sea in Relation to the Evolution of Late Neogene Climates.* Marine Geology, 59: 105-134.

assessment and monitoring. This project received a "No Further Action" determination from the North Carolina Department of Environment and Natural Resources (NCDENR).

**General Growth Properties, Inc.:** Mr. Belyea oversees this environmental consultant contract GLE has held since 2002. He has assisted in completing over 300 projects with scope of work involving Phase I and II Environmental Site Assessments (ESAs), Transaction Screening Procedures (TSPs), hazardous materials surveys, underground storage tank (UST) investigations, hydraulic lift removal and impact assessments, third-party facility decommissioning oversight, Indoor Air Quality, mold assessments including hurricane response activities, asbestos surveys and monitoring. He has also assisted in a large petroleum hydrocarbon remediation project, which includes the decommissioning and demolition of existing structures and sub-surface utilities, as well as performing extensive soil and groundwater remediation to facilitate construction and preparing a Corrective Action Plan (CAP).

**Hamilton County School Board:** Project Manager on two contaminated properties. The first property, located at a middle school in Jennings, Florida, was subject to a petroleum release at a former Underground Storage Tank (UST) area, located between two school buildings. Performed a Supplemental Site Assessment (SSA) to update the current data at the site, prepared a Remedial Action Plan (RAP) for the implementation of a Source Removal, and implemented the source removal to a depth of 17 feet between the school buildings. The Source Removal was successful, and the site is currently in Post Active Remediation Monitoring. The second contaminated property was a former bus garage operated in Jasper, Florida. Mr. Belyea prepared a Limited Scope RAP to install a small Air Sparging/Soil Vapor Extraction (AS/SVE) system at the site, prepared construction drawings and specifications, solicited bids, and installed the system under budget. The remediation system is currently operational, and a short remediation time frame is expected. In both cases, he consistently provided the best technology available, at the best price offered by subcontractors to complete the work.

**Handy Food Stores, Inc.:** As project manager, supervised all environmental investigations; Underground Storage Tank (UST) Closures, Site Assessment Reports (SARs), Phase II Assessments, Remedial Action Plans (RAPs), Bid Packages, and Remedial Action Construction (RACs) for all of the client's active and closed facilities (25 sites). Projects also included facility upgrade design and permitting coordination (piping, sumps, dispensers, etc.) to meet the December 1998 regulatory deadline. In addition, provided design and permitting coordination (UST Removals and Upgrades) to meet the December 2009 regulatory deadline. Projects included the coordination of cost sharing initiatives negotiated with the Florida Department of Environmental Protection (FDEP), providing the client significant cost savings.

**Hillsborough County Environmental Land Acquisition Program:** As project manager, supervised and performed Phase I Environmental Site Assessments (ESAs) on environmentally sensitive properties proposed for acquisition by the County under the Environmental Lands Acquisition and Protection Program (ELAPP), implemented by Hillsborough County.

**Manatee County:** Mr. Belyea oversaw this ten-year professional environmental consultant services contract. Services included environmental engineering, asbestos consulting, industrial hygiene and Indoor Air Quality.

**Mid-State Energy, Inc.:** As project manager, supervised all environmental investigations; Underground Storage Tank (UST) Closures, Limited Contamination Assessment Reports

## PUBLICATIONS (continued)

Belyea, P.R. and R.C. Thunell. 1984.*Fourier Shape Analysis and Planktonic Foraminiferal Evolution: The Neogloboquandrina-Pulleniatina Lineages.* Journal of Paleontology. 58: 1026-1040.

Thunell, R.C. and P.R. Belyea. 1982. N*eogene Planktonic Foraminiferal Biogeography of the Atlantic Ocean: A Synthesis of DSDP Legs 1-53.* Micropaleontology, 28:381-298.

Belyea, P.R. and J.C. Carter. 1980. *Impacts and Grinding Type Abrasion Resistance of Molluscan Shell Microstructures in Exterior Versus Interiors Shell Layers. G.S.A.* Abstracts with Programs, 12(7): 385.

(LCARs), Site Assessment Reports (SARs), Phase II Assessments, Remedial Action Plans (RAPs), Bid Packages, and Remedial Action Construction (RACs) for all of the client's active and closed facilities (30 sites). Projects included the coordination of cleanup activities with facility upgrades and cost sharing negotiated with the FDEP. This provided the Client significant cost savings during facility upgrades and limited the downtime of active facilities.

**Primos Convenience Store**: During Tank Closure Activities, Mr. Belyea oversaw the removal of the steel Underground Storage Tanks (USTs) at the site, and identified petroleum impacts beneath one of the tanks, well below the water table. He researched the facility and found that the previous Site Assessment Reports (SARs) (two) missed this contamination, because the monitoring wells were too shallow. Mr. Belyea applied for approval to rescind the Site Rehabilitation Completion Order (SRCO) approved for the site and the site was reinstated into the Petroleum Preapproval Program.

**Rightway Food Mart:** As a project approved under the Limited Source Removal Initialed (LSRI) Program, Mr. Belyea assisted the owner and tank installation contractor with dewatering and required groundwater treatment, excavation of impacted soils, and tanks installation project; successfully recouping $55,000 of the cost of site activities conducted during the tank upgrade project at the site.

**Ryder Automotive Carrier Division:** As project director, prepared plans, supervised investigations and recommended remedial alternatives to Ryder for sites in Florida, Illinois, Louisiana and Tennessee.

**Sydney Mine Sludge Disposal Superfund Site:** As project manager, conducted excavation/land farming/landfill disposal of 15,000 cubic yards of soil contamination. He also negotiated an agreement with the Environmental Protection Agency (EPA) releasing Hillsborough County from cost contributions for further assessment and cleanup at the facility.

**Tampa Bay Lighting, Inc.:** As project manager, performed an Improving Risk Assessment (IRA) of petroleum-contaminated soil at the Tampa Bay Arena site. Activities included the coordination of subcontractors, removal of three underground storage tanks (USTs) and excavation of 1,400 yards of petroleum-contaminated soil for thermal treatment, allowing construction of the facility to proceed on time and budget.

**Taylor Road Landfill Superfund Site:** As project manager, implemented a water quality sampling program designed to comply with a Consent Decree between Hillsborough County, Environmental Protection Agency (EPA), and the State of Florida. He also conducted an investigation of the migration of methane gas from the landfill.

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# JOHN C. SIMMONS, JR.

*Director of South Florida Operations*

## SUMMARY

Mr. Simmons has over 25 years of experience and serves as the Director of South Florida Operations. He manages the daily operations, business development, client relations and contract negotiations for the area. His experience in the environmental consulting services field includes a diverse background in facilities consulting, contracting, general construction, environmental remediation and environmental compliance. Mr. Simmons has a proven ability to manage regional and national contracts for a variety of clients that include public sector, private and industrial clients. He has also served as an instructor for EPA-approved Asbestos Worker and Supervisor courses at the University of Florida.

## PROJECT EXPERIENCE

*Broward County Public Schools: Contract Administrator/Client Manager for an environmental consulting term contract worth over $15M that GLE held for over 12 years. The scope of work included asbestos, lead, water intrusion and mold, and related Indoor Air Quality (IAQ) consulting services and remedial actions. He managed and supervised asbestos-containing material inspections for Asbestos Hazard Emergency Response Act (AHERA) compliance, asbestos abatement oversight and air monitoring, lead-based paint inspections, water damage and mold damage assessments and remediation, contamination assessments, remedial design, remedial actions, and emergency response. GLE completed over 1,250 individual projects for the School Board.*

*Miami International Airport: Contract Administrator/Client Manager for this environmental contract for Miami International Airport (MIA), which is the largest US gateway for Latin America and the Caribbean. It is also one of the leading international passenger and freight airports in the world, with a terminal encompassing more than seven million square feet. Contract included asbestos-containing material (ACM) inspections, asbestos abatement oversight and air monitoring, lead-based paint (LBP) inspections, water damage and mold damage assessments and remediation, contamination assessments, remedial design, remedial actions, and emergency response.*

*Florida Department of Transportation (FDOT): Contract Administrator/Client Manager for a large portfolio of projects involving the sampling of over 500 bridge structures for asbestos-containing materials, and/or painted components for the presence of cadmium, chromium, lead and zinc.*

*Homestead Air Reserve Base (HARB): Contract Administrator/Client Manager for projects at the HARB. Projects included assessments for ACM, LBP and radon for multiple facilities related to a large base closure project.*

*Jackson Memorial Hospital: Managed IAQ investigations for various areas and facilities in the hospital and developed detailed recommendations for modifications or other remedial actions to improve IAQ. During one investigation of the pharmacy, it was noted that hospital personnel were working with a number of cancer testing drugs that were carcinogenic, if inhaled. Since these experimental drugs did not have threshold limit values (TLVs) or sampling/testing protocols, GLE developed a testing and analysis procedure for detection of low airborne concentrations of these chemicals.*

*The Villagio of Palmetto Bay Apartments: On-site Industrial Hygienist for this project in Miami. Conducted limited indoor Volatile Organic Compound (VOC) and Polynuclear Aromatic Hydrocarbon (PAH) air sampling for three two-story buildings impacted by a*

## YEARS OF EXPERIENCE

25

## LICENSES

Lead Risk Assessor
FL R-4126-4

Radon Measurement Technician
FL R1587

## TRAINING

Asbestos Contractor Supervisor
Asbestos Inspector
Asbestos Management Planner
Lead Risk Assessor
NIOSH 582: Sampling & Evaluating Airborne Asbestos Dust
XRF - RMD's LPA-$_1$ Lead Paint Inspection System

*fire. He also acted as the liaison between the general contractor, property association, and the 56-unit owners.*

*Turkey Point Nuclear Power Plant: Contract Administrator/Client Manager for projects that involved asbestos air monitoring and project management during the asbestos abatement of various areas related to outage repair work. In addition, was responsible for evaluating work practices and interpreting sampling results for reporting to safety compliance officers.*

*Various Insurance Companies: Conducted residential and commercial microbiological investigations, developed project design and mold remediation protocols, and coordinated remediation activities with abatement contractors for numerous residential and commercial properties throughout Florida.*

*Florida Atlantic University: Project director on this asbestos and lead-based paint consulting services contract with the Florida Atlantic University. Project work included performing asbestos surveys, designing abatement plans, providing air monitoring services for facilities throughout the campus, and performing three-year AHERA re-inspections and LBP surveys.*

*Hillsborough County School Board: Project management related to LBP abatement, air monitoring, wipe sampling and construction management for various projects involving the abatement of LBP from educational facilities in Hillsborough County.*

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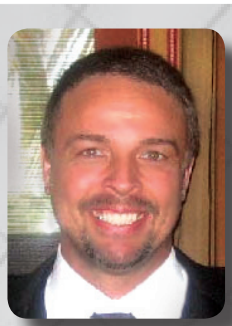
# RAFE A. PADGETT, CIAQP, CIEC

*Industrial Hygienist*



## SUMMARY

Mr. Padgett has over 20 years of experience as an environmental, health and safety professional, with diversified consulting and management experience. He has developed and provided client-advocacy-related services for Indoor Air Quality (IAQ) assessment and remediation projects, including mold remediation, asbestos-containing materials and lead-based paint assessment and abatement projects, industrial hygiene sampling, health and safety assessments and compliance, and hazardous materials emergency response. He has a proven ability to deliver innovative and cost-effective solutions for a wide variety of clients. Mr. Padgett is a versatile manager with a comprehensive background in communication, problem solving, technical writing, and strong communication skills. He has managed various projects throughout the state of Florida involving clients such as attorneys, commercial and residential contractors, developers, major department stores, military installations, school boards, universities, and other private and governmental clients.

## PROJECT EXPERIENCE

*Industrial Hygiene Practice:*
*Mr. Padgett has conducted hundreds of investigations involving IAQ, industrial hygiene, ACM, water intrusion and mold-impacted building materials. He has been responsible for pricing work estimates, conducting assessments, preparing reports and abatement/ remediation scopes of work, training staff, and project oversight.*

*Hospital – Private Hospital in Miami Beach, Florida: Mr. Padgett managed a large scale assessment and mold remediation project at a hospital facility located in Miami Beach, Florida. Multiple operating rooms were impacted by water intrusion when a fire sprinkler supply line burst resulting in over $1 million in damage and repairs. This project involved coordination of efforts and liaison activities between the general contractor, sub-contractors, building owner, insurance representatives and hospital administration.*

*Hospital – Public Health Trust Hospital in Miami, Florida: Mr. Padgett managed numerous assessment, abatement and remediation projects at a large public hospital in Miami, Florida. The projects included IAQ, bioaerosol, mold, asbestos, particulate, and transient (noxious) odors.*

*Hospital – Public Health Trust Hospital in Miami, Florida: Mr. Padgett conducted assessment and sampling activities at a large public hospital in Miami, Florida, in response to hospital administration concerns associated with fungal-based patient infections, and potential litigation. Post-remediation assessments and bio-aerosol sampling were performed following cleaning activities.*

*Florida Department of Transportation: Mr. Padgett has managed a portfolio of projects involving the sampling of bridge structures for ACM and painted components for the presence of cadmium, chromium, lead and zinc.*

*Florida Atlantic University: Harbor Branch Research Campus: Mr. Padgett managed the assessment of approximately 60 buildings at the Florida Atlantic University Harbor Branch campus. The assessment included surveys for ACM, mold-impacted building materials, moisture intrusion, IAQ and LBP and the preparation of technical reports outlining the assessment findings, conclusions and recommendations.*

## YEARS OF EXPERIENCE

20

## EDUCATION

Bachelor of Science, Environmental Science - *Florida International University*

Graduate Coursework, Environmental Science - *University of Florida*

## LICENSES

Mold Assessor
FL MRSA54

## CERTIFICATIONS

Certified Indoor Air Quality Professional (CIAQP)
Certified Indoor Environmental Consultant (CIEC)

## TRAINING

Asbestos Contractor/Supervisor
Asbestos Inspector
Asbestos Project Designer
NIOSH 582

## PROFESSIONAL AFFILIATIONS

Institute of Hazardous Materials Management

*School Board of Broward County: Mr. Padgett managed assessment, repair and remediation activities as part of a mold and moisture intrusion term contract for the School Board of Broward County. The work included the assessment of building envelopes, development of technical reports recommending repair activities and price estimates, oversight of building envelope repairs, assessment of water intrusion damage and mold impacts and managing mold-impacted material removal and remediation activities. In addition, Mr. Padgett managed and performed numerous projects involving the inspection and sampling of school buildings for asbestos-containing materials, asbestos abatement oversight and air clearance testing.*

*Hospital – Public Health Trust Hospital in Miami, Florida: Mr. Padgett conducted assessment and sampling activities at a large public hospital in Miami, Florida, in response to hospital administration concerns associated with fungal-based patient infections, and potential litigation. Post-remediation assessments and bio-aerosol sampling were performed following cleaning activities.*

*Florida Department of Transportation: Mr. Padgett has managed a portfolio of projects involving the sampling of bridge structures for ACM and painted components for the presence of cadmium, chromium, lead and zinc.*
*World Trade Center Response - Phillips and Jordan/US Army Corps of Engineers: Mr. Padgett served as an initial responder and was appointed as shift leader for the World Trade Center Debris Recovery effort at the Staten Island Landfill. He managed the efforts of 12 industrial hygienists; safety monitors and professionals tasked with various health and safety assessment, monitoring and enforcement issues. The industrial hygiene monitoring included asbestos, silica, total particulates, metals, radiation, noise and illumination. Daily Health and Safety meetings averaged 200-300 workers per shift and included respirator selection, fit testing, and medical screening with pulmonary function tests.*

*CSX Railroad: Mr. Padgett served as initial responder on the environmental, health and safety team on an emergency response involving a ruptured 24,000-gallon tanker car containing vinyl chloride. The work included monitoring the health and safety of the workers, as well as potential exposures to adjacent neighborhoods during repair and neutralization activities.*

*The Club at Brickell Condominium: Mr. Padgett managed a $1.2 million assessment and mold remediation project at a 46-story condominium located in downtown Miami, Florida. The building was impacted by water intrusion during construction activities. This project involved coordination of efforts and liaison activities between the general contractor, sub-contractors, building owner, building developer, unit owners, and attorneys.*

*Freedom Tower: Mr. Padgett managed a $1.1 million assessment and mold remediation project in the 17-story historical Freedom Tower building located in Miami, Florida. The work included the assessment and removal of mold-impacted building materials.*

*Broward College: Mr. Padgett managed a comprehensive multi-campus ACM survey. The survey results were implemented into data for the purpose of tracking ACM at Broward College in Davie, Florida. The work included the assessment of buildings, preparation of technical reports, scheduling and coordination with asbestos abatement contractors, and budget estimates.*

*City of Fort Lauderdale: Padgett managed a comprehensive ACM survey for buildings owned by the City of Fort Lauderdale. The survey results were implemented into data for the purpose of tracking ACM. The work included the assessment of buildings, preparation of technical reports, scheduling and coordination with asbestos abatement contractors, and budget estimates.*

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# MICHAEL MULLEN, PE

*Project Engineer*

## SUMMARY

Mr. Mullen is a Registered Professional Engineer with several years of civil engineering experience in water resources, utility pipe design, land planning, and stormwater and erosion management. He has conducted numerous Phase I/II Environmental Site Assessments (ESAs), Transaction Screen Procedures (TSPs), and Stormwater/Erosion Assessments. During his time at GLE, Mr. Mullen has served as project manager for various corrective action projects including the preparation of stormwater/erosion remediation per local issuing authority standards. He has a proven ability to produce cost-effective solutions for a wide variety of clients. Mr. Mullen has designed and managed various projects throughout the southeast involving clients such as banks, developers, industrial, commercial, retail, office, federal, mixed-use clients, and other private clients.

## PROJECT EXPERIENCE

*Laurel Canyon Subdivision (Canton, Georgia):* Mr. Mullen conducted a Stormwater Assessment at the Laurel Canyon subdivision (150-acre residential subdivision) in Canton, Georgia. During the Stormwater Assessment, Mr. Mullen performed a stormwater/erosion site inspection of the Property to evaluate the current conditions of the Property and identify potential and existing stormwater impacts. Mr. Mullen coordinated and met with the Local Issuing Authority (LIA) to identify areas of concern and discuss follow-up or possible corrective action activities. Mr. Mullen proposed a cost-effective corrective action plan to stabilize the Property and to prevent and minimize any adverse impacts to the Property and adjoining properties.

*Royal Oak (Marietta, Georgia):* Following guidelines set forth by the ASTM Practice E 1527-05, Mr. Mullen conducted Phase I Environmental Site Assessment (ESA) activities at the Royal Oak Subdivision. During the Phase I ESA, Mr. Mullen identified an on-site Business Environmental Risk (BER) in the form of erosion and sediment impacts to the Property. Subsequently, Mr. Mullen conducted a stormwater/erosion inspection. Following the storm water/erosion inspection, Mr. Mullen coordinated with a grading contractor and performed third party oversight activities during the stabilization activities, to determine that the work was performed in accordance to GLE's recommendations and the requirements set forth by the LIA and/or the EPD. Once site stabilization was implemented, the Property was periodically monitored.

*Sylvanus Company (Alpharetta, Georgia):* Mr. Mullen conducted a Transaction Screen Process (TSP) at the Kingston Manor Park Subdivision in Alpharetta, Georgia. Following guidelines set forth by the ASTM Practice E 1528-06. In addition, Mr. Mullen provided an inspection of the erosion and sediment control practices, which included an evaluation of the detention ponds and sediment impacts to on-site creeks.

*Automobile Repair Facility (Union City, Georgia):* Mr. Mullen performed a Phase I Environmental Site Assessment (ESA) at an automobile repair facility. Following guidelines set forth by the ASTM Practice E 1527-05; Mr. Mullen conducted site reconnaissance activities, which included inspection of all interior and all exterior areas of the Property. During the inspection, Mr. Mullen observed significant oil staining, damaged suspect Asbestos Containing Materials (ACM), and made visual observations for the presence of significant mold growth. Mr. Mullen also conducted an area reconnaissance to identify any regulated facilities with the potential to impact the property. Accordingly, Mr. Mullen recommended a Limited Phase II ESA be conducted to determine if a release of automotive fluid-related chemicals had occurred at the site.

## YEARS OF EXPERIENCE

9

## EDUCATION

Bachelor of Science, Civil Engineering - 2005
*Clemson University*

## LICENSES

Professional Engineer
FL PE74388
GA PE036143

## TRAINING

Asbestos Inspector
HAZWOPER
Qualified Stormwater Management Inspector

## PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)
Georgia Society of Professional Engineers (GSPE)

*Oil Water Separator System (LaGrange, Georgia):* Mr. Mullen supervised the fieldwork during an Oil Water Separator (OWS) system flush and oversaw the inspection of the system. The OWS was previously identified during a Phase I Environmental Site Assessment (ESA), which revealed severe sediment impacts to the OWS, which will prevent water to flow through the OWS piping properly.

*Former Gasoline Station/Dry Cleaner Facility (Kennesaw, Georgia):* Mr. Mullen performed a Phase I Environmental Site Assessment (ESA) for a gasoline/dry cleaning facility in Kennesaw, Georgia. As part of the Phase I ESA activities, Mr. Mullen inspected the various aspects of the Underground Storage Tank (UST) system, including the dispenser liners, dispenser hoses, UST submersible pumps and UST fill ports. In addition, Mr. Mullen completed a review of the facility's state compliance records and electronic leak detection records. During the inspection, Mr. Mullen identified an on-site Recognized Environmental Condition (REC) in the form of historic and current petroleum storage and distribution activities. Subsequently, Mr. Mullen recommended a Phase II ESA to determine if a release of dry cleaning chemicals and petroleum impacts had occurred on the Property.

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# BRANDON CHRISTENSEN

*Environmental Scientist*

## SUMMARY

Mr. Christensen has over 12 years of experience as an environmental technician conducting asbestos, Indoor Air Quality, industrial hygiene, lead, mold and radon consulting services for numerous public and private entities.

## PROJECT EXPERIENCE

*Florida Power and Light Nuclear Plants:*

- Saint Lucie Nuclear Plant & Turkey Point Nuclear Plant – Abatement oversight and air monitoring for various buildings, nuclear containment and main power block refuel and upgrade projects.

*Miami Dade Aviation Department:*

- Abatement project supervisor, including final clearances.
- Surveyed Miami International Airport Terminals D-H, a 300,000+ SF facility along with outlying buildings scheduled for renovation or demolition.
- Conducted visual oversight and air sampling for mold remediation and duct cleaning within the MDAD executive offices.

*School Board of Broward County:*

- Abatement project supervisor, including final clearances
- Conducted multiple periodic 3-year AHERA inspections.
- Responsible for Indoor Air Quality studies, final clearances, and technical reports

*Florida Department of Transportation (FDOT):*

- Inspector and Supervisor for FDOT projects
- Responsible for asbestos surveys and abatement project supervision, including final clearances
- Demolition supervisor, including monitoring and final clearances
- Responsible for Indoor Air Quality studies, final clearances and technical reports

*Miami Dade County School Board:*

- Abatement project supervisor, including final clearances
- Demolition supervisor, including monitoring and final clearances
- Responsible for Indoor Air Quality studies, final clearances, and technical reports

*Palm Beach County Risk Management:*

- Inspector and supervisor responsible for NESHAP asbestos surveys and abatement project supervision, including final clearances
- Demolition supervisor, including monitoring and final clearances
- Responsible for Indoor Air Quality studies, final clearances and technical reports

*City of Ft. Lauderdale Police Department:* Mr. Christensen served as an inspector and supervisor for a City of Ft. Lauderdale Police Department Indoor Air Quality project. He was responsible for project oversight, air sampling and technical reports.

*Hurricane Katrina:* Mr. Christensen served as a supervisor for crews removing of hazardous materials from Right-of-Ways under the direction of the US Army Corp. of Engineering, after Hurricane Katrina in New Orleans. LA.

*Radon Measurement:* Mr. Christensen served as a Radon Measurement Technician for Miami-Dade County, Brevard County School District, the Atlanta Federal Reserve and for several other clients, including churches and Day Care Centers.

## YEARS OF EXPERIENCE

12

## LICENSES

Lead Risk Assessor
FL FL-R-120502-1

Radon Measurement Technician
FL R2012

## TRAINING

Asbestos Contractor Supervisor
Asbestos Inspector
Lead Risk Assessor
NIOSH 582

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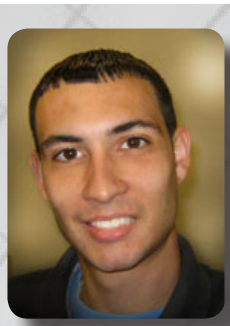
# JEFFREY C. KNIGHT

*Environmental Scientist*



## SUMMARY

Mr. Knight is an entry-level Environmental Scientist, with experience through relevant course work and internships. He has a strong scientific knowledge base and a prior professional background in indoor air quality. Mr. Knight's current duties include air monitoring, clearance inspections, abatement and remediation supervision, building and bridge surveys, PCM analysis, on-site consultation, Phase I and Phase II environmental site assessments (ESA), water intrusion mapping, mold assessment, report and letter writing.

## PROJECT EXPERIENCE

*Florida Department of Transportation (FDOT):* GLE is presently serving as a subcontractor for contracts held with the FDOT that involve over 300 bridges in Southern Florida, including Broward and Palm Counties. Mr. Knight has worked on the following projects:

- Performance of Bridge Surveys for Asbestos-Containing Components
- Sampling of Suspect Materials and Photography of Homogeneous Areas
- Boom Lift Operation

*Miami International Airport (MIA):* Conducted asbestos surveys for the North Terminal development and for Back Terminal D through H

- Conducted lead-based paint chip sampling on the North Terminal Upper Vehicular Drive

*The School Board of Broward County (SBBC):* GLE held an environmental term contract with SBBC for over 12 years, performing over a 1,000 projects and $15,000,000 worth of work. Mr. Knight performed the following as a part of this contract:

- Performed AHERA 3-Year Inspections on Asbestos Containing Materials
- Abatement Project Monitoring including PCM air monitoring and TEM clearance monitoring
- Building surveys for projects involving Sampling of Suspect Materials
- Photography of Homogeneous Areas
- Consulting for Fire Sprinkler Installation, interfacing with various contractors, school administration, quality inspectors, and project managers for SBBC at Coral Springs High School for project planning and safety

*The Palm Beach County Sheriff's Office (PBSO):* GLE holds a term contract with Palm Beach County providing various asbestos services. Mr. Knight has provided the following as a part of this contract:

- Building survey and sampling for Belle Glade Court House
- Wrote report for Palm Beach Stockade Demolition Survey
- Additional Sampling at Stockade

*Florida Power and Light (FPL):* GLE has provided services for FPL at various power plants in the Southeast. Mr. Knight has provided:

- Personnel monitoring for lead exposure at Riviera Beach Power Plant during torch-cutting demolition
- Interpretation of lab results for Negative Exposure Assessments
- Personnel and abatement project monitoring during outages at Turkey Point and St. Lucie Nuclear Power Plants
- Bulk sampling at FPL General Services Building in Miami

*SWS Environmental:* Performed limited Phase II groundwater screening for petroleum products along Right-of-Way (ROW) in Palm Beach County

## YEARS OF EXPERIENCE

12

## EDUCATION

B.A. Biology - 2008
*University of Miami*

## TRAINING

Asbestos Contractor/Supervisor
Asbestos Inspector
NIOSH Air Analytics

*National Molding, LLC:* Conducted four gas monitoring of carbon monoxide, oxygen, hydrogen sulfide, and methane levels as well as Relative Humidity and Temperature

- Wrote the report assuring OSHA compliance with Permissible Exposure Limit (PEL)

*Miami-Dade County:* GLE has worked with various Miami-Dade County departments over the past 10 years. Mr. Knight has worked on the following projects:

- Air Monitoring and Oversight of mold abatement at the GSA Fleet Shop
- Bulk Sampling and air monitoring for asbestos in laboratory of wastewater treatment facility in North Miami Beach

*Nova Southeastern University (NSU):* Oversight of mold remediations in Vettel Hall, Founders Hall, and Farquhar Hall Dormitories

- Photographic documentation of job progress in each building's 30 units
- Inspection of suspected mold growth, leaks, and moisture damage
- Moisture monitoring with use of a moisture meter

*Delray Medical Center:* Performed water intrusion mapping throughout building after flooding

- Conducted bulk sampling of suspect Asbestos Containing Material (ACM) before remediation
- Collected Air-O-Cell clearance samples after mold remediation

*Community Redevelopment Associates of Florida, Inc. (CRA):* Conducted Preliminary Mold Assessment in a residential home

- Measured relative humidity and temperature in all rooms and cabinets of residence
- Assessed moisture levels of surfaces and inspected for visual evidence of mold growth and/or water damage
- Wrote report for client

*Quintairos, Prieto, Wood & Boyer, PA:* Conducted Phase I ESA at Vacant Lot in Port St. Lucie and assisted in report write-up

*City of Lake Worth:* Conducted Phase II ESA soil sampling and groundwater screening on future site of TD Bank

*City of Oakland Park:* Collected confirmatory samples of soil in Parking Lot to test levels of Polynuclear Aromatic Hydrocarbons (PAH)

*Flagler Development:* Conducted monitoring of Total Dust and Respirable Dust levels within an office building and wrote report for client.

# SANDRA WALTERS
**President**

## ACADEMIC BACKGROUND

Masters Degree in Marine Studies, University of Miami, Florida, 1983
Bachelor of Science in Animal Behavior and Marine Biology, University of California, Davis, CA, 1974

## SPECIALIZED PROFESSIONAL COMPETENCE

Ms. Walters has 30+ years of professional experience in Florida. She is qualified as an Expert Witness in Florida administrative hearings and court proceedings; has conducted and supervised environmental studies, and developed avoidance and mitigation plans, in all South Florida submerged and upland habitats; has successfully permitted projects ranging from single family homes to developments of regional impact, working with all regulatory agencies; has conducted Phase I and II Environmental Site Assessments, fuel storage tank removals, and acquired No Further Action decisions for many properties; has extensive experience in design and implementation of public participation programs and review and development of comprehensive plans; and has represented clients successfully with many agencies and government boards. She is presently a member of the South Florida Regional Planning Council, appointed by governors Bush, Crist and Scott, serving as chair in 2009; serves on EPA's Water Quality Steering Committee for the Florida Keys National Marine Sanctuary; and served from 2000 to 2004 as a Governor's appointee on Florida's Acquisition and Restoration Council, which supervises purchase and management of State conservation lands.

## REPRESENTATIVE PROFESSIONAL EXPERIENCE

**Principal, Sandra Walters Consultants, Inc., Key West, Miami, Hollywood & Fort Myers, FL, 1996-present**
Provide consulting services to both public and private sector clients in areas of ecological/environmental and land use planning and permitting, including habitat evaluation, mitigation and contamination assessment and remediation; public involvement and outreach; and community and government liaison.

### CONTAMINATION SERVICES

- **Pier 1 Petroleum Remediation Estimated Pricing, Port Everglades Master Plan Update**
  Principal in charge of site assessment report review and preparation of preliminary estimate of remediation costs, including mobilization; excavation and disposal of overburden; free product and water removal, temporary storage, characterization sampling, and disposal/recycling; site stabilization, remediation design and bidding; and remediation management and oversight.
- **Monroe County Airport Department**
  Retained to advise director regarding contamination issues involving spill at Key West Airport fuel farm.
- **Contamination Assessment, Stock Island Fire Station Property, Monroe County Government**
  Principal in charge of evaluation of earlier contamination reports and visible contamination evidence at vacant parcels where new fire station is being built, preparation and implementation of assessment including sampling and testing soils, implemented remediation, and preparation of final report indicating no further action required.
- **Spill Prevention Control and Countermeasure Plan (SPCC), Florida Keys Aqueduct Authority, Marathon, FL**
  Principal in charge of plan preparation for FKAA facility consistent with State and federal requirements that specified how oils and fuels were stored, what spill prevention measures were in place, and what steps would be taken if a spill should occur, including notification procedures and contact lists.
- **Monroe County Mosquito Control District, Monroe County, FL**
  Reviewed third-party environmental site assessment for 107th Avenue site in Marathon in process of purchase by District for new facility, completed ESA scope as specified by ASTM guidelines, and provided final finding.
- **City of Key West Engineering Services**
  Provided ongoing groundwater testing, analysis and reporting services for former underground fuel storage tank site at Key West City Hall; prepare and process application for No Further Action with conditions.
- **Phase I and II Environmental Site Assessments, Florida Keys**
  Conduct environmental site assessments for commercial real estate transactions and transportation projects. Conducted assessments following ASTM guidelines for District 4 FDOT and many public agencies and private property owners throughout Florida Keys. Also was qualified and provided expert witness testimony in circuit court regarding Phase I ESA scope and ASTM guidelines.
- **Discount Rock & Sand, Marathon, FL**
  Conducted assessment of property and analyzed its redevelopment potential under the City of Marathon Comprehensive Plan and Land Development Regulations, including State regulation for construction and demolition debris disposal facilities; documented and analyzed historic and existing site conditions. Prepared, processed and acquired permit for facility from Florida Department of Environmental Protection, currently working on acquiring final building approval from City of Marathon.
- **Bayview Inn, Conch Key, Monroe County, FL**
  Conduct testing and analysis of groundwater to determine status of remaining contamination resulting from removed underground fuel tank, prepared and successfully processed proposal for No Further Action with Conditions with DEP.
- **Watermark Marina Site Investigation, Islamorada, FL**
  Principal in charge of extensive sampling and testing to assess contamination at marina site.

- **Tank Removal and Contamination Assessment, Tropical Reef Resort, Islamorada, Florida**
  Provide quality assurance supervision of SWC staff in charge of underground fuel storage tank removal, soil and groundwater testing and analysis, and preparation and submittal to Florida Department of Health of contamination assessment report and No Further Action proposal, which was approved.

- **Robbie's Safe Harbor Marine Enterprises, Inc., Florida Keys**
  Develop agreements with Florida Department of Environmental Protection for solid waste cleanup and above-ground fuel storage tank removal, including field testing, preparation and submittal of tank closure assessment report (TCAR). Prepare and process solid waste transfer station general permit, including representation as expert witness at State administrative hearing decided in client's favor.

**ENVIRONMENTAL STUDIES • PERMITTING • MITIGATION • MONITORING SERVICES**

- **Horizontal Directional Drill Permitting and Third Party Environmental Monitoring, Islamorada Wastewater Project**
  In charge of permitting with DEP, USACE and FKNMS for directional drills under seven channels in Upper Florida Keys to accommodate wastewater pipelines. Work involved extensive coordination with project engineers, contractors, resource management and regulatory agencies; benthic and emergent habitat assessments including detailed mapping and characterization of resources below which pipeline will run; preparation and processing of permit applications; and responses to requests for additional information. Acquired all permits in less than three months due to extensive agency coordination and very-thorough permit application materials. Conducted work as full-time third party environmental monitor for all drilling activities, including constant onsite inspections and oversight; coordination with drilling company and environmental agencies; water quality, wetlands and submerged habitat data collection in the event of a possible frac out of drill operation to document impacts; and preparation of summary reports.

- **Tarpon Pier Replacement, City of Key West**
  SWC was in charge of environmental data collection, and development and implementation of an impact assessment and mitigation plan, for replacement of existing City pier in Garrison Bight. Work included mapping submerged resources including seagrasses and corals, coordination with the Florida Keys National Marine Sanctuary and Florida Department of Environmental Protection, and transplantation of impacted corals consistent with Sanctuary requirements.

- **Mallory Dock Maintenance Dredge, City of Key West**
  Principal in charge for successful acquisition of USACE and DEP permit modifications to add Mallory Dock to scope of Navy Key West Harbor dredging project, including collection of all data on submerged habitats required by agencies, coordination with dredging company and environmental monitoring contractor, acquisition of EPA approval for use of offshore disposal site and provision of Quality Assurance services onboard the dredging vessel. Represented City in Navy agency partnership process for harbor dredge and other environmental issues.

- **S. Roosevelt Seawall Repair Seagrass Monitoring, Key West**
  Supervised assessment and documentation of seagrasses in vicinity of seawall undergoing repairs, including field data collection and photography, update of CAD files delineating seagrass line, measurement of seagrass impacts in project area for mitigation purposes, and report preparation.

- **Smathers Beach Seagrass Mitigation Monitoring, Key West**
  Member of team that conducted field monitoring of seagrass mitigation project for City of Key West. Roles included field personnel establishing monitoring sites, collecting required data, supervising surveyor, assisting with preparation of monitoring reports, and providing local liaison with City and base of operation for work.

- **Key West Mooring Field Pilot Project**
  Principal in charge of conducting 1-year, monthly data collection, analysis and report preparation for moored vessels around Key West Mooring Field as part of County and State mooring field pilot project.

- **Key West Mooring Field Seagrass Monitoring Project**
  Conducted 3-year seagrass monitoring project at Key West Mooring Field that investigated potential shading impacts from boats, including project design, photographic documentation of stations over time, collection of seagrass density and shoot count data, report preparation and report submittal and processing with DEP. This study was first of its kind in Florida, and several other coastal communities have requested copies of final report.

- **Submerged Habitat Study and Sediment Analysis, Key West Harbor and Vicinity**
  Conduct survey of submerged habitats in and around Key West Harbor. Divers collected field data from 50, randomly selected sites. This data was then collated into maps showing general distribution of habitats in area, and underwater photographs were organized and printed. Data was compared with that collected at other sites throughout Florida Keys, to assess habitat quality in relation to shipping activities in Harbor. Supervise collection of sediment samples in and near harbor following approved DEP protocol, transmit to State certified laboratory for testing for petroleum contamination and RCRA metals, prepare report summarizing findings.

- **City of Key West Stormwater System**
  Consultant in charge of bringing City into compliance with ERP requirements for already-completed and future maintenance work of stormwater system, including mapping and characterizing affected wetlands, and developing impact assessment and mitigation plan that

incorporates 5.6 acres of wetland restoration and enhancement at former Hawk Missile site in eastern Salt Ponds and creation of connection between Riviera Canal and western Salt Ponds to enhance 131 acres of wetlands and cause significant water-quality improvements. Served as City representative in negotiating a consent agreement with South Florida Water Management District that was unanimously adopted by District Governing Board and City Commission.

- **City of Key West Navy Base Reuse Plan**
  Member of team that evaluated Key West surplus Navy properties and developed reuse plan. Primary role—planning and environmental assessments including SCUBA examination of Truman Waterfront Mole Pier.

- **General Environmental Consultant, City of Key West**
  Was awarded general contract for City services, and ranked by City Commission number one of three firms being contracted.

- **Permit Compliance for Large Condominium Complex (Seaside and Salt Ponds), Key West, FL**
  Retained by property owner to assist with resolution of permit compliance issues with South Florida Water Management District; conducted extensive research of permitting and project history, held meeting with District staff and developed consensus on approach, developed consent agreement, worked with property owner to design and implement significant restoration project in Salt Ponds as well as to restructure onsite restoration projects from those specified in original permits, in progress with implementing multi-year monitoring plan; property owner received award from District for being so forthcoming with restoration efforts and award ceremony had front-page article in local newspaper.

- **Electric Transmission Line Environmental Compliance Monitoring, Florida Keys**
  Conducted DEP and USACE permit conditions environmental compliance monitoring of installation of new electric tie-line poles between Big Coppitt Key and Key Haven in wetland and submerged habitats, including confirmation of pre-construction conditions, onsite inspections to assure impacts do not exceed limits established in environmental permits, and long-term monitoring to document post-construction recovery.

- **Residential Redevelopment Project in Marathon, Florida Keys**
  Served as project manager for all aspects of environmental planning and permits for 99-slip, 92-unit redevelopment project in Marathon called Marlin Bay Yacht Club, including supervision of all field data collection and preparation of benthic assessments and avoidance and minimization plans, supervision of application preparation and submittal and all responses to requests for additional information, work with DEP to acquire net positive public benefit exception to State submerged land lease riparian restriction, and presentations to Governor and Cabinet regarding lease rule provisions and final lease adoption. Acquired permit and submerged land lease in nine months of filing application.

- **Jewfish Creek Bridge/US Highway 1 Project, Northern Florida Keys**
  Member of design-build team in charge of environmental compliance for final design and construction of 65-foot-high bridge over Jewfish Creek and new roadway from North Key Largo to just south of Dade County line, including training of onsite personnel regarding avoidance of listed species; coordination with agencies for permit modifications; assessment of preconstruction environmental conditions; and continuous work with project engineer and contractor to assure all environmental permit conditions are met during four-year project. Work included mapping seagrasses along project corridor.

- **La Siesta Resort and Marina, Islamorada, FL**
  Served as principal in charge of benthic assessment and ERP impact assessment and mitigation plan for oceanside and bayside entrance channels and marina basins, including seagrass restoration plan to restore orphan propeller scars in Lignum Vitae State Aquatic Preserve.

- **Dock Appeal Benthic Assessment and Expert Witness Testimony, Upper Florida Keys**
  Conducted extensive benthic resource mapping of nearshore habitats in relation to location of single-family home dock that was subject of neighbor appeal of DEP permit, prepared expert witness report, participated in deposition in preparation of hearing before administrative law judge.

- **Grassy Key Beach Cleanup, Florida Keys**
  Provided onsite ecological oversight of beach cleanup operation conducted by contractor for DEP, assuring heavy equipment did not harm biological resources and removed only storm-deposited dead seagrass and sediments as specified by DEP and USACE.

- **Cudjoe Key Quarry, Florida Keys**
  Planning and permitting for continuation of existing rockmining operation. Develop wetland and endangered species habitat mitigation plan which has received endorsement of USFWS and Florida Game and Fresh Water Fish Commission (FWC) staff; prepare and process DEP and USACE permit applications; process County vested rights application; successfully negotiate development agreement with Monroe County and Florida Department of Community Affairs (DCA). For new owner, prepare and successfully process permit modifications for change of land use to communications facility, successfully negotiate new development agreement with DCA, prepare and process Monroe County permit application, prepare testimony and appear as witness in local court hearing regarding County moratorium on communication facilities.

- **Former Silver Eagle Distributors property, Key West**
  Conducted monitoring of mitigation required by environmental resource permit and closed out South Florida Water Management District permitting requirements; following issuance by District of letter of concern regarding perpetual maintenance issues, worked

with local police and several non-profit organizations to assist property owner with issues regarding homeless population living within a preservation area and removal of trash and exotic vegetation from site, in order to a find win-win solution and achieve compliance with SFWMD permit.

- **General Environmental Consultant for Florida Keys Overseas Heritage Trail**
  In contract with DEP, provided environmental planning services for entire 130-mile linear park throughout Florida Keys, including NEPA review and documentation for permitting of segments and bridge crossings.
- **Stormwater Filter Marsh, City of Naples, Collier County**
  In charge of wetland jurisdictional determination, habitat evaluation, and threatened and endangered (T&E) species survey; development of impact assessment and mitigation plan, as needed; and general assistance with preparing and processing environmental resource permit (ERP) applications with DEP and US Army Corps of Engineers (USACE) for creation of filter marsh to provide treatment to stormwater presently being pumped untreated into Naples Bay.
- **Tree Obstruction Survey, Hollywood-Ft. Lauderdale International Airport, Broward County**
  Principal in charge of tree obstruction survey and report for entire airport property. Work includes field data collection and preparation of report including a detailed spreadsheet with tree specifications and recommend-dations for trimming or removal, aerial figures showing all tree locations, and photo exhibits.
- **Environmental Impact Study & Permitting, Ft. Lauder-dale-Hollywood International Airport Runway Extension**
  Principal in charge of fulfillment of all NEPA requirements including T&E species impact assessment and wetland delineation, coordination with environmental regulatory agencies, and preparation and processing of environmental permit applications for final, selected alternative. Acquired concurrence from all resource agencies on jurisdictional lines and UMAM scores for all wetlands affected by one or more project alternatives, prepared administrative draft and Draft Environmental Impact Statement, participated in DEIS public hearing, prepared EFH and Biological assessments for National Marine Fisheries Service and U.S. Fish & Wildlife Service, prepared responses to all ecological questions for DEIS and FEIS; assisted with preparation of Final EIS.
- **Port Everglades Master Plan Update, Broward County**
  Principal in charge of all natural systems data collection and analysis and permitting assessments for five-year master plan update, including incorporation of updated plan into County comprehensive plan.
- **SR-710 PD&E Study, District 4 FDOT**
  Part of consultant team in charge of planning, design and environmental study of 27-mile corridor of B-Line Expressway through Palm Beach and Martin counties. Responsible for wetlands and threatened and endangered species field data collection, assessment of contamination potential in vicinity, and documentation of land use patterns along corridor regarding potential for secondary and cumulative impacts.
- **Wetland Delineation, Essential Fish Habitat Assessment and Local Permitting Support for Utility Corridor, Okeechobee, Hills-borough and Miami-Dade counties**
  Principal in charge of wetland data collection and jurisdictional delineation for utility corridor, utilizing both federal and State wetland delineation methodologies, including extensive habitat characterization, mapping using sub-foot-accuracy Trimble GPS equipment, and daily downloading and transmitting of data to central processing facility. Also prepared EFH Assessment meeting NMFS requirements for South Dade County segment, including cumulative and secondary impacts analyses, and provided coordination and assistance with local permitting in Martin and Miami-Dade counties.
- **WTA Compartments B & C Environmental Impact Study (EIS), SFWMD, Palm Beach County**
  Part of consultant team that developed EIS for improvements to water treatment areas just south of Lake Okeechobee, which is an Acceler8 project associated with Everglades restoration. Work includes full assessment of existing data and sources and evaluation of sufficiency; drafting environmental consequences alternatives, wetlands and T&E species sections; and participating in public involvement activities.
- **Herbert Hoover Dike Culverts 1 and 1A Replacement Project, Glades County, FL**
  In charge of all start-up of environmental compliance scope for $47 million project to replace two 10-foot culverts through the Herbert Hoover Dike near Lake Okeechobee. Work included preparation of Stormwater Pollution Protection Plan (SWPPP) and NPDES notification; development of Environmental Protection Plan; permitting of dewatering plan; development of boating Maintenance of Traffic (MOT) plan; contractor training regarding environmental compliance criteria, including development and printing of waterproof field compliance handbook; turbidity monitoring and reporting, including staff training to meet State permit criteria and work supervision; monitoring of 10 listed species; and preparation and processing of required reports. All plans and reports received U.S. Army Corps of Engineers approval.
- **General Engineering Services, City of Pompano Beach and City of Ft. Lauderdale, Broward County**
  Part of consulting team providing engineering services to the City, with SWC scope including environmental, planning and public involvement tasks.

### LAND USE PLANNING AND PERMITTING • PUBLIC INVOLVEMENT SERVICES

- **District Six FDOT Communication Services for Construction Projects, Monroe County**
  SWC is serving as prime contractor to provide communications services for all FDOT District Six

construction projects throughout Monroe County. This includes a full-time public information specialist for the 2.1-mile North Roosevelt Boulevard project in Key West. SWC is currently managing 11 Keyswide assignments.

- **District Six FDOT General Public Information Contract for Design Services, Monroe County**
  SWC is member of consulting team that was just awarded a three-year contract for general design services public information and will be responsible for all of Monroe County. SWC previously provided these services for five years under an earlier contract. Work has included US Highway 1 corridors on Big Coppitt Key, from Key West to Stock Island, Big Pine Key, Cudjoe Key and Grassy Key.

- **FDOT Planning, Design & Environmental (PD&E) Studies in Islamorada, Marathon and Big Coppitt Key, Florida Keys**
  Member of team that conducted FDOT studies of roadway improvements, including turn lanes, in five-mile corridor in Islamorada, five-mile corridor in Big Coppitt Key, and Sombrero Beach Road in Marathon. Services included public involvement, land use planning, and landscape architecture elements of study, including coordination with local staff and elected officials.

- **Stock Island-Key Haven US 1 Corridor Study, Florida Keys**
  Provided public involvement outreach and meeting coordination services for study to identify improvements to US 1 corridor segment; resulted in significant participation by user groups and relevant and effective planning charrette.

- **Expert Planning Services for Town of Medley, Dade County**
  Served as town planning staff, providing review and support for public hearings for adoption of City ordinance.

- **Hawk's Cay Expansion Development of Regional Impact, Florida Keys**
  Prepared and successfully processed Application for Development Approval for Hawk's Cay Expansion Development of Regional Impact to South Florida Regional Planning Council. Evaluation included environmental, public facilities, socio-economic, and traffic impacts. Provided continued planning consultation, including 1996 approval of major site plan revision and 7 year extension, approvals of three DRI revisions, and annual reports.

- **Rezoning and Development Agreement for 92-unit Project, City of Marathon, Florida Keys**
  Served as principal planning consultant and agent for 92-unit redevelopment project, including recent acquisition of property rezoning and executed development agreement from Marathon City Council. Work involved representation with planning staff, Council members and Florida Department of Community Affairs representatives; and work with Florida Department of Environmental Protection and Governor and Cabinet regarding submerged land lease for 115-slip private marina.

- **Monroe County Planning Services for Expansion, Parrotdise Restaurant, Little Torch Key**
  Prepared and successfully processed application for conditional use to expand restaurant, including detailed site planning and conceptual stormwater management system; prepared and successfully processed alcoholic beverage permit to provide for outdoor food and beverage service, including thorough review of sound ordinance issues and presentation of findings to Planning Commission.

- **Lower Sugarloaf Key Mixed Use Development, Lower Florida Keys**
  Served as planning consultant and agent, developed and processed major conditional use application for mixed use office, workforce housing and market-rate housing project; received 8/0 positive vote from Monroe County Development Review Committee and 5/0 positive vote from Monroe County Planning Commission.

- **Key West Transfer Station & Hauling Services, Inc.**
  Prepared and successfully processed application to DEP for renewal of solid waste transfer station permit that provides for substantial expansion and updating of facility, including supervising CADD drawings, engineering of site and preparation of environmental resource permit application for stormwater system, coordination with agency staff to assure application meets standards, and responses to information sufficiency reviews. Participate as expert for client by deposition in lawsuit by competing business.

- **State Aquatic Preserve Management Plan, Florida Department of Environmental Protection**
  Responsible for principal drafting of Statewide management plan for 41 State aquatic preserves.

- **Expert Witness Testimony for Monroe County**
  Conducted thorough review of land use, environmental and permitting issues for property in North Key Largo which was subject of suit against Monroe County, prepare expert witness report, provide deposition in circuit court proceeding. Work included extensive review of several USFWS HCPs in Key Largo for effects on reasonable development expectations in area.

- **City of Key West Bahama Village Redevelopment Plan Update**
  Member of team that updated community redevelopment plan. Primary roles—environmental and public facilities planning; and public involvement, including preparation and distribution of project newsletters and news releases; and development and implementation of proactive community involvement process.

- **City of Key West Economic Development Conveyance Application**
  Member of team that developed EDC application for surplus Navy properties. Primary roles—planning and implementing meetings with local officials and interest groups, coordination of public workshops and presentations, and public facilities and environmental data collection and analysis.

- **Marx Investments, LLC Development Feasibility Study, Big Coppitt Key, FL**

Document and analysis historic and existing site conditions; prepare feasibility study to determine the development potential for the property under the regulations of the Monroe County Comprehensive Plan and Land Development Regulations.

- **Habitat Conservation Plan (HCP) and Community Plan for Big Pine Key, Monroe County, FL**
  Represented affected property owners to develop HCP following US Fish & Wildlife Service (USFWS) guidelines for federally-endangered Key Deer on Big Pine and No Name keys in Florida Keys. The County implemented parallel process to develop community plan that incorporates HCP into County comprehensive plan and land development regulations. System developed involves complex point system for incidental takings associated with any new structure, and requires mitigation to compensate for impacts associated with issuance of building permits.

**Vice President & Manager of Environmental and Permitting Division, HJ Ross Associates, Inc., Coral Gables, FL, 1994-1996**
Create new division of company, manage personnel and project budgets, develop project proposals.

- **US Highway 1 South Project, from Key Largo to Florida City**
  Consultant Project Manager—assist Florida Department of Transportation, District 6, in permitting for expansion of 20-miles stretch of US Highway 1, including construction of new bridge with 65 foot water clearance at Jewfish Creek. Permits were required from U.S. Coast Guard, South Florida Water Management District, and ACOE, and coordination with Dade County Department of Environmental Resources Management. Work included preparation of permit applications; creating CADD generated permit sketches; responding to information sufficiency reviews (including extensive evaluation of potential secondary impacts of project on community and environment); supervising field investigations for construction projects and associated mitigation (including mangrove, seagrass, and freshwater emergent habitats); public information; and coordinating with many commenting agencies.
- **Development of Regional Impact Application and Environmental Impact Statement for New Runway at Miami International Airport**
  HJR project manager for preparation of sections of documents, and overall quality control and editing.

**Publisher and Media Consultant, Little Torch Key, FL, 1986-1994**
Co-found, and serve as co-publisher and managing editor for seven years of *Island Navigator* newspaper, a feature monthly publication distributed throughout the Florida Keys. Also manage media division working with all kinds of print and broadcast media in production and scheduling of public information and advertising campaigns.

**Environmental Planning Consultant, Little Torch Key, FL, 1984-1996**
Site evaluation and project design for many commercial and residential parcels of property in the Florida Keys, including acquisition of permits from local, state, and federal agencies; policy analysis and legislative support; expert testimony at Florida administrative hearings; and public information programs.

- Prepare and successfully submit Application for Development Approval for Hawk's Cay Expansion Development of Regional Impact (at Mile Marker 61 in Florida Keys) to the South Florida Regional Planning Council. Evaluation included environmental, public facilities, socio-economic, and traffic impacts. Also annual reports and continuing planning work.
- Provide expert witness testimony in administrative hearing regarding appeal by FL Dept. of Community Affairs of Monroe County development order for beachfront property on Lower Sugarloaf Key.
- Provide expert witness testimony in administrative hearing regarding environmental permitting for marina project on Little Torch Key.
- Successful application to State Conservation and Recreation Lands program for purchase of Big Pine Key property.
- Appointment by Monroe County Mayor to Blue-Ribbon Committee to review land use plan; served as advisor to Monroe County Commission; and conducted South Florida Regional Planning Council review of draft plan.
- Extensive research and detailed report regarding impacts of inclusion of Florida Keys in federal Undeveloped Coastal Barrier Program.

**Environmental Programs Manager, 1980-1984**
**South Florida Regional Planning Council, Hollywood, FL**
Review comprehensive plans of counties and municipalities in South Florida, evaluate in relation to State and regional policy guidelines, and write evaluations including recommendations for improvements. Participate in and manage reviews of Developments of Regional Impact, with emphasis in areas of environmental and public facilities impacts. Environmental programs manager responsible for analyzing and critiquing environmental aspects of development in region, including U.S. Army Corps of Engineers and Florida Department of Environmental Regulation dredge and fill permit applications; prepare and present reports to Council concerning development warranting regional attention.

- **Development of Regional Impact Review**
  ***Broward County***—Ball Point, Design Center of the Americas, FEC Industrial Park, Harrison Park, Houston Park Marina, Pompano Industrial Park, Weston Phase II; ***Dade County***—Airport Corporate Center, American Bankers Industrial Group, Homestead Bayfront Park & Marina, Chapman Field Park & Marina, Brickell Bay Office Tower, Terremark Centre, 1111 Brickell, SE 8th Street & Brickell Avenue, Watson Island; ***Monroe County***—Port Bougainville/Garden Cove.
- **Court Testimony**

Gave deposition as witness for Dade County, FL in District court case involving beach restoration project on Key Biscayne.

- **Project Manager: South Florida Oil Spill Priority Protection Response Strategy**
  Prepare detailed work program and budget. Supervise consultant in conducting extensive detailed study and mapping of South Florida coastal marine resources in relation to sensitivity to spilled oil. Supervise consultant in writing, editing, graphics, and printing of Environmental Sensitivity Index maps and report titled The Sensitivity of Coastal Environments and Wildlife to Spilled Oil in South Florida. Atlas and report won first prize from Florida branch of American Planning Association, 1981. Coordinate interest groups and agencies for implementation of strategy, including:
  - inventory of cleanup equipment and contact personnel in region
  - determination of appropriate spill responses and communication channels
  - preparation of regional oil spill response handbook
  - distribution of all project products and provision of public information concerning project, including presentations at local, state, and national meetings
- **Project Manager: Regional Hazardous Waste Program required by State of Florida Water Quality Assurance Act**
  Coordinate Broward, Dade, and Monroe counties and Florida Department of Environmental Regulation in South Florida program implementation. Develop and distribute consultant request for proposals. Write and execute contracts between Council and State, counties, and consultant for administration of $490,000 in State funds for program tasks. Coordinate public information. Review progress reports, assure contract compliance, authorize funds disbursement.
- **South Florida Hurricane Evacuation Program (Broward, Dade, and Monroe counties)**
  Project Manager: Coordinated U.S. Army Corps of Engineers, technical consultant and local agency task force in plan preparation; developed and implemented public information program.

**Sea Awareness Environmental Education Programs, Miami and Little Torch Key, FL, 1976-1981**
Develop, market, and run natural history tours for general public to variety of destinations in South Florida and Caribbean.

**Adult Education Instructor, 1977-1980**
**Coral Gables High School & Key Biscayne Community School, Miami, FL**
Design, promote, and teach full-semester courses in coastal natural systems of South Florida to adults of all ages and backgrounds.

**Research Assistant, 1976-1980**
**Rosenstiel School of Marine & Atmospheric Science, University of Miami, FL**

- South Florida marine mammal salvage program, conduct study of West Indian manatee to stop deaths in flood control structures, take field data and conduct necropsies, analyze data for comparative studies.
- Analysis of infauna at potential sewage outfall site in South Florida.
- Analysis of sediment plume duration and path during dredging in Biscayne Bay.
- Analysis of fish populations on South Atlantic continental shelf for OCS oil and gas lease EIS.

**Marine Biologist, Oceanic Society Charters, Belize, Central America, 1975-1976**
Provide educational and research programs in tropical marine ecosystems for sailing/diving charter groups.

## PROFESSIONAL REGISTRATIONS/AFFILIATIONS/CERTIFICATIONS

- Serving since 2005 on South Florida Regional Planning Council appointed by Governors Bush, Crist and Scott, board that oversees planning and regional issues for Broward, Dade and Monroe counties. Served as chair in 2009, currently serving as treasurer.
- Member, EPA Water Quality Steering Committee for Florida Keys National Marine Sanctuary
- Appointed in May 2000 by Governor Bush to four-year term on Florida's Acquisition and Restoration Council, which oversees purchase and management of State conservation lands
- Key West Utility Board Advisory Committee
- Certified Woman-owned Business Enterprise (WBE) and Disadvantaged Business Enterprise (DBE) with Florida Department of Transportation; State of Florida; South Florida Water Management District; Miami-Dade (also SBE), Broward (also CBE) and Lee counties; certified Woman-Owned Small Business (WOSB) with federal government
- Former president, Monroe County Federation of Chambers of Commerce; former president, Lower Keys Chamber of Commerce; current member, Key Largo, Islamorada, Marathon, Lower Keys and Key West chambers
- Associate member, Marathon and Lower Keys Association of Realtors
- Member, Florida Keys Contractors Association
- Member, Florida Association of Environmental Professionals and board member of South Florida chapter
- Member, National Water Resources Association and Florida chapter
- Certified diver, PADI #9501031862, advanced research certification from University of California at Davis and Rosenstiel School of Marine and Atmospheric Science, University of Miami

# JAMES BRUSH
Project Engineer

## ACADEMIC BACKGROUND
BA, LAS Physics, University of Illinois, Urbana IL, 1972
MS, Environmental Engineering in Civil Engineering, University of Illinois, Urbana IL, 1977

## PROFESSIONAL REGISTRATIONS
Professional Engineer in six states: FL, TX, IL, IN, MS & AL
Grade A Water Treatment Plant Operator, Texas
Class A Water Treatment Plant Operator, Illinois
Class 4 Wastewater Treatment Plant Operator, Illinois

## SPECIALIZED PROFESSIONAL COMPETENCE
During Mr. Brush's career in civil and environmental engineering he has provided consulting and construction management services to industry and government with emphasis in industrial and hazardous waste management, site investigations, remediation/contamination cleanup, groundwater monitoring; underground fuel storage tank closures; fuel storage facilities inspections and certifications. He also has extensive civil and marine engineering experience, having designed a number of stormwater management systems as well as site development and marina projects.

## REPRESENTATIVE PROFESSIONAL EXPERIENCE

**Project Engineer, SWC, Key West and Miami, 2000-2008, 2012 to present**

**CONTAMINATION-RELATED WORK**

- **Bayview Inn, Conch Key, Monroe County, FL**
  Work with SWC to provide engineering services associated with preparation of successful application for DEP determination of No Further Action with Conditions for underground storage tank leak.

- **Wild Bill's Gas Station, Grassy Key, City of Marathon, Monroe County, FL**
  Work with SWC to design and implement an assessment methodology for a site containing a heavily leaking underground fuel storage tank, including installation of monitoring wells, collection of soil and groundwater samples, evaluation of testing results, and development of a site assessment report for the Florida Department of Environmental Protection (DEP).

- **Watermark Marina of Islamorada Site Development—Environmental Due Diligence Site Investigation, Islamorada, FL**
  Provided civil engineering services. Work included site investigation geotechnical drilling, sampling and assessment/recommendation/cost evaluation report for the clean-up of soils and bay bottom sediment contaminated with boatyard boat bottom paint residues, site layout, coordination of survey, geotechnical study coordination, permitting, drainage, site grading, coordination of architect's plans and specifications for upgraded marina and dock facilities with site civil infrastructure

- **Key West Transfer Station, Stock Island, Monroe County, FL**
  Work with SWC to design and process DEP environmental resource permit application for stormwater system, and provide all engineering services for preparation of solid waste transfer station permit renewal application.

- **City of Key West, Monroe County, FL**
  Work with SWC on groundwater monitoring and reporting with Florida Department of Environmental Protection for remediation of underground fuel tank leak.

**CIVIL ENGINEERING WORK**

- **Sunset Condo Gardens, Sunset Marina, Stock Island, Key West**
  Provided architectural/engineering services to develop a recreation area for an existing condominium complex. Work including site development, civil infrastructure, coordination of survey and geotechnical work, design and site layout, stormwater retention, new roadway, fencing, walkways, paving, sanitary sewers, site drainage and grading, landscaping, mechanical, electrical, new swimming pool/spa, new beach area, tiki hut eatery, and bar-kitchen area, and a concrete block cabana building with bathhouse and storage facilities.

- **Parrotdise Restaurant Conceptual Stormwater Management Plan, Little Torch Key**
  Prepared conceptual drainage plan for conditional use application for expansion of restaurant to meet County

and SFWMD standards, including all calculations and graphic presentations.

- **Key Deer Refuge Stormwater Plan, Big Pine Key**
  Worked with SWC to prepare drainage plan for parking lot at Blue Hole on Key Deer Boulevard to meet County and SFWMD standards, including all calculations and graphic presentations.
- **Silverking Marina, Stock Island**
  Developed site plan and stormwater management plan for marina, including all calculations and design features to meet County and South Florida Water Management District (SFWMD) permit requirements.
- **LaSiesta Resort and Marina (bayside and ocean-side), Islamorada, FL**
  Provided civil engineering services. Work included site redevelopment layout and civil infrastructure, coordination of survey, geotechnical, study coordination, design, site layout, stormwater retention swales and exfiltration trenches, new roadways, paving, sanitary sewers, site drainage, site grading, Monroe County, Islamorada, and SFWMD stormwater permit applications, storm sewers, utilities, new marina and dock facilities, coordination with architect's new condominium plans with site civil infrastructure and site conditions.

**City of Key West, Monroe County, FL, 1999-2008**
Provided civil engineering project management, permitting, design and construction phase services for docks, pier extensions, marina dredging plan, bay bottom dredge sediment sampling, pollutant characterization, marina restroom facilities, pump-out systems, fueling facilities, new boat ramp, marina operation and maintenance manual, fueling system assessment, marina stormwater management plans, sovereign submerged land leases.

- **City Marina at Garrison Bight Ramp Extension, Fuel Dock, and Sewage Pump Out System**
  Provided professional engineering to the City Port Authority for the design and acquisition of US Army Corps Engineers and Florida Department of Environmental Protection (DEP) Permits for a ramp extension, fueling facilities, and boat sewage pump out & pipeline system. Work included developing a site plan, system layout, evaluation of vendor performance claims, design calculations, plans and specifications, bidding and construction services.

- **City of Key West Ferry Terminal Pier Extension**
  Provided professional engineering to the City Port Authority for design and acquisition of US Army Corps Engineers and DEP permits for the extension of the Ferry Terminal Pier at the site of the historic Trumbo Havana Pier. Work included design, plans and specifications for extending an existing concrete pier to add additional slips for ferry future service, including bay bottom contaminant testing & dredging plan. FDEP and USACE permits issued. Key West Bight Ferry Terminal provides facilities for ferries that serve Ft. Myers, Marco Island, Miami, and Caribbean.
- **Ferry Terminal Phase II Security Access Ramp**
  Prepared documents requested by USACE, FDEP, USN, MCEM, USDHS, regarding pier extension, ferry terminal operation, submerged land lease issues, security access & monitoring. Prepared additional required documents such as Marina Operation & Management Plan, Pump-out System Assessment Report, Fueling System Assessment Report, Oil Spill Contingency Plan, SWPPP, SPCC; Clean Marina Application; Report on South Florida marina operation methodologies for comparison to be implemented by Port Authority. Permits issued.
- **Garrison Bight Marina Stormwater Pollution Prevention Plan (SWPPP)**
  Assisted the Marina and Port Authority on the development of the Marina's SWPPP.
- **Garrison Bight Mooring Field Dinghy Dock Restroom Facility**
  Provided professional engineering services to the Port Authority for the design, specifications, bidding, construction-phase services for a new restroom facility that serves Mooring Field tenants. Work included civil engineering, site layout, new sanitary sewer, water, electrical utilities, and permits.
- **Key West Public Safety Facilities Building**
  Design of a backup entrance/exit for fire trucks, just in case of blocked main access point on Roosevelt Blvd. The project involved design of 30' wide x 80' long concrete access driveway bridge was across a mangrove lagoon; as well as, lagoon contaminant testing/dredging plan, fish ladder, fish hatchery, public environmental educational signs, trimming mangrove prop roots, silt removal, cleanup of trash, removal of exotics, and planting indigenous (native) plants in new landscape area. The existing property contains City fire and police stations and an adjacent area wetland-mangrove lagoon that provides fish habitat, stormwater runoff retention and treatment. The Florida Department of Environmental Protection (DEP), SFWMD, and USACE permits for construction were issued in 2003.

**Key Largo Wastewater Treatment District, Key Largo, FL, 2008-2013**

Provided engineering and construction management services for new wastewater district during construction of collection, transmission treatment facilities.

- Operations Manager for utility district: planned, organized, assigned, directed, and reviewed the work of 17 employees engaged in operation and maintenance of the vacuum pump collection system, advanced wastewater treatment plant, deep injection well/backup system, and sludge dewatering/disposal operations; Prepared reports, presentations, conducted workshops, training, scheduling, budgeting, risk management, safety.
- Managed bid/award process and provided construction management for an $18 million advanced wastewater treatment plant and deep injection well/backup system; Reviewed progress of contractors work, change orders, developed punch lists, conducted progress meetings, maintained shop drawings /submittals, record drawings, and RFI files; maintained equipment operation and maintenance manuals, assisted/coordinated in plant start-up and operation.

**Industry and Environment, Florida and Texas, 1992-2008, 2013-present**

President of engineering firm offering a wide range of civil and environmental engineering services to public- and private-sector clients.

- **Truman Annex Property Owners Association**
  Stormwater drainage plans and new asphalt paving designs for parking areas, including stormwater exfiltration trenches.
- **Key West Golf Club Property Owners Association**
  Design of storm sewer to mitigate drainage problem in condo residences at golf course.
- **Seaside Grocery & Deli Flood Proofing, Key West**
  Developed flood-proofing design, calculations, certifications and documents necessary to comply with Key West FEMA Coordinator Checklist, flood insurance company, and NFIP requirements that reduced flood insurance premiums for property owner.
- **Monroe County Emergency Management, Marathon, FL**
  Provided engineering services for design and preparation of FEMA Pre-Disaster Mitigation (PDM) grant application for a new 20,000 square foot hurricane Category 5 EOC building, resulting in a grant award of $4.2 million. Work included calculations, cost estimates, field survey and engineering assessment of the blueprints and design codes for the existing Marathon Government Center (MGC) used as a makeshift EOC /BOCC Room.
- **American Airlines, 1992-2008 & 2010**
  - Storm water drainage studies, SWPPPs, SPCCs, fuel spill facility response plans, permits, waste treatment designs, fuel spill plans and remediation for maintenance facilities at Miami International Airport (MIA), LAX, AFW, ORD, and JFK International Airports; Nashville, TN, El Paso, TX, San Diego and San Louis Obispo, CA, Tulsa, OK, Kansas City, MO, St. Louis, MO, San Juan, Puerto Rico and Dallas Fort Worth, TX.
  - Industrial waste treatment facilities at the American Airlines maintenance bases at Alliance Airport (AFW) & (DFW) in Fort Worth, Texas and at the base in Tulsa OK.
- **Tinker Air Force Base, Oklahoma City, OK 1992-1995**
  Provided consulting/construction management services to the design/build contractor, NACC, the U.S. Army Corps of Engineers Tulsa District, U.S. Air Force Materiel Command (AFMC), Air Logistics Command (ALC) and USN TACAMO-NAS Patuxent River, MD. For this project he aided in design, construction management, start-up of a groundwater extraction well field, operation of treatment system for removal of aircraft maintenance waste solvents and heavy metals at the Soldier Creek/Building 3001 NPL site. EPA Superfund Project- longest drilled horizontal extraction well system in history for environmental cleanup and ground water remediation.
- **Union Pacific Railroad, Omaha, Nebraska**
  Project Manager for storm water drainage and wastewater treatment facilities and ground water assessments and clean-ups for fuel contaminated Texas Yards in Fort Worth, Palestine, Waco, Mesquite, and San Antonio. San Antonio cleanup addressed jointly groundwater remediation from Kelly Air Force Base. The work included facility SWPPP's, SPCC's, construction management, soil & water sampling and analyses, assessment and remediation reports, facility start-up, operation services & permits.
- **Bell Helicopter-Textron, Fort Worth & Grand Prairie, Texas**
  Project manager for process and waste treatment facilities design, facilities engineering, construction management operations, and hazardous waste management for V-22 Tilt-Rotor Aircraft manufacturing facility– as consultant to KVG Gideon Toal Inc. Fort Worth, TX & Department of Navy, Southern Division, North Charleston SC, Naval Facilities Engineering Command (NAVFACENGCOM). In 2007- Provided facilities engineering assistance to Bell Helicopter-Textron Fort Worth TX for a new 40,000 SQ FT building at BHT #1 involving equipment selection cost-effective payback analysis using US Army Engineering and

Support Center (Huntsville, AL) software ECONPACK version 3.1.2.

- **Marine Corps Logistics Base, Albany, Georgia-** Industrial Waste Treatment Facility Upgrade Construction Phase, Construction Management, Plant Start-up and OPS Training for the design/build contractor, NACC and USN, Southern Division, North Charleston SC, NAVFAC.
- **E-Systems (now Ratheon), Greenville, Texas** Project manager for facilities projects involving wastewater and stormwater collection and treatment of aircraft maintenance, paint stripping and printed circuit board wastes; hazardous waste remediation, contaminated soil groundwater monitoring and treatment; The work included RCRA Part B permits, SWPPP's, & SPCC's, construction management, contamination cleanup, plant start-up, & operation services.

**Environmental Research Lab, Institute for Environmental Studies, Heavy Metals Task Force, University of Illinois at Champaign-Urbana**
Research assistant for identification and investigation of environmental problems and solutions. Conducted anaerobic filter pilot plant study for removal of heavy metals and organics from Enfield, CT landfill leachate, soil testing from zinc smelter plant site; studies of toxic effects of applying Chicago Sanitary District sludge to farmland. Conducted atomic absorption spectroscopy, gas chromatography, nuclear magnetic resonance studies, sample preparation and wet chemistry analysis.

## PUBLICATIONS

*Heavy Metal Removal from Sanitary Landfill Leachate by Anaerobic Filter*, 32nd Purdue Industrial Wastewater Conference, 1977.

*Heavy Metal Removal with Completely Mixed Anaerobic Filter*, Water Pollution Control Federation Journal. 1979.

*Jet Maintenance Waste Treatment in the Jet Age*, Paper presented at Texas Water Pollution Control Association Conference, June 3-5, 1992, Dallas, Texas.

*ECO-Diving 101*, Dive Travel Magazine, July/August 1997, Santa Cruz, CA.

## PROFESSIONAL REGISTRATIONS & ASSOCIATIONS

Florida PE license No. 48504

Professional Engineer in six states—FL, TX, IL, IN, MS & AL

Grade A Water Treatment Plant Operator, Texas

Class A Water Treatment Plant Operator, Illinois

Class 4 Wastewater Treatment Plant Operator, Illinois

American Society of Civil Engineers (ASCE) No. 420707

Cuban American Association of Civil Engineers (CAACA), Miami- Key West-Havana Chapter

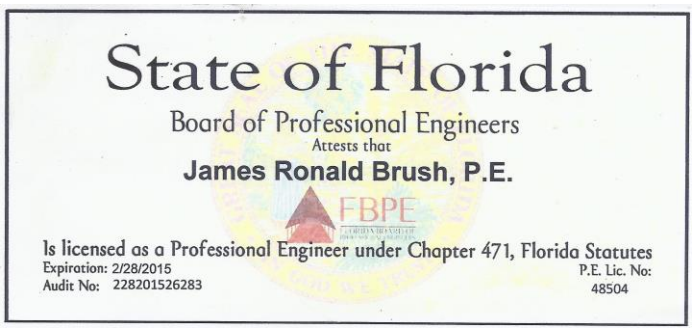
Member, United States Power Squadrons, No. E134585

PADI Certified Dive Master No. 98273

NOAA Team Ocean Volunteer, Florida Keys National Marine Sanctuary, boat operator, 1999-2009

## SKILLS AND SPECIALIZED TRAINING

Microsoft, AutoCAD, ESRI GIS ArcView, Primavera Management System Prime Contract; Bentley Water/SewerCAD; Computerized Maintenance System *Cityworks*; familiar with Naval Facilities Engineering Command- Construction Management System (NAVFAC Web CM); USEPA Environmental Management Systems (EMS ISO14001); FEMA Incident Command System Certifications ICS100, ICS200, ICS700 & ICS800.


State of Florida
Board of Professional Engineers
Attests that
James Ronald Brush, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201526283
P.E. Lic. No: 48504

# DIANA ARANDA
## Project Manager

## ACADEMIC BACKGROUND

M.S. in Coastal Zone Management, Nova Southeastern University Oceanographic Center, Ft. Lauderdale, FL, 2013

B.S. in Biology, University of New Mexico, Albuquerque, NM, 2005

## SPECIALIZED PROFESSIONAL COMPETENCE

Ms. Aranda is a well-rounded biologist and experienced field researcher who is highly skilled with Geographic Information Systems (GIS) software and mapping and familiar with Keys and South Florida wetlands and agency jurisdictional determinations, and is skilled in conducting marine and coastal habitat assessments. She is experienced in Phase I environmental site assessments, and in designing and implementing water quality monitoring programs. Ms. Aranda is also fully conversant with Florida's Clean Marina program, and is currently assisting a local marina in the process of acquiring Clean Marina status. Through her work she has also become experienced in communications, as well as database collection and management. For example, when Ms. Aranda worked on the wastewater improvement water quality monitoring projects in Marathon (in collaboration with NOAA, FIU and EPA), she was responsible for extensive coordination with team members and the public, and she has managed complex databases associated with several projects.

## REPRESENTATIVE PROFESSIONAL EXPERIENCE

**Project Manager and Assistant Public Information Specialist, SWC, 2013-present**

Work on various ecological, land use and public involvement services for public- and private-sector clients, with responsibilities including data collection and analysis, report writing, and oversight of compliance timetables.

- Has conducted Phase I environmental site assessments for commercial real estate transactions, including data collection and analysis, site visits and interviews, and preparation of figures and reports.
  - Commercial fishing marina site, Stock Island, Monroe County, FL
  - Whitehead Street multi-unit rental property, Key West, FL
  - Upper Sugarloaf Key commercial property, Monroe County, FL
  - Tavernier multi-unit commercial property, Monroe County, FL
  - North Roosevelt Boulevard restaurant property, Key West, FL
  - Multi-unit condominium property, Big Coppitt Key, Monroe County, FL
- **A&B Marina**—prepared draft water quality management and Clean Marina plan and is conducting water quality monitoring for State submerged land lease compliance.
- **Islamorada Horizontal Directional Drill for Wastewater Project**—provided environmental permit condition compliance monitoring during drill operations.
- **Port Everglades Master Plan Update**—reviewed extensive background data regarding submerged habitats and wetlands being affected by ongoing and planned Port improvements and assisted with development of updated master plan, including existing conditions and alternatives impact analysis.

**Biologist I, Miami-Dade County Dept. of Regulatory and Economic Resources, Coastal Resources Division, 2012-2013**

Processed Class I permits for coastal construction which included assessment of benthic resources and wetlands, plan review and report/permit writing. Work included communications with applicants and coordination with team members to facilitate permitting.

**Biological Technician, Biscayne National Park, US National Park Service, 2011-2012**

Supervised well drilling for groundwater sampling and testing. Assisted in management and coordination of Biscayne National Park's water monitoring program of over 50 YSI instruments on sites within the Park's waters. Participated in planning and execution of field work which involved field safety planning, small boat operations, diving and maintenance of sites. Acted as facilitator with partners and contractors. Work included researching standards and other required information, and extensive team coordination.

**Research Associate II, Ship of Opportunity Program, NOAA/AOML/PHOD, 2010-2011**

Organized logistics of Transatlantic sample transects, including updating cruise plans, monitoring sampling progress in real time, trouble shooting and reporting problems, participating in ship recruitment, and processing completed cruise reports. Provided computer-generated maps using shell script and GMT. Maintained up-to-date inventories within the program. Managed billing and payments of satellite transmissions and instrument upkeep.

**Research Associate I, NOAA/AOML/OCD Microbiology lab, 2008-2010**

Assisted in management and coordination of water quality sample processing for plate and molecular analysis, data management and reporting findings and execution of several projects:

- Marathon "Little Venice" wastewater improvement microbial source tracking assessment project (in collaboration with FIU and EPA), including extensive data management and coordination with property owners.
- Collaborate with multi-satellite projects and stakeholders to aid EPA, NOAA, Univ. of Miami, FDEP and independent contractors.
- Miami-Dade County Department of Health's "Healthy Beaches program" collaboration.

Prepared technical reports and communicated findings for:

- 2009 ASM General Meeting, Philadelphia, PA, poster *Assessing temporal and spatial variability of viable indicator bacterial at a marine subtropical beach.*
- 2010 Ocean Sciences Meeting, Portland, Oregon, poster *From Cesspit to Sewer: Utilization of molecular microbial source tracking to assess sanitary infrastructure improvements in Vaca Key in Marathon, Florida.*

**Broward County Sea Turtle Conservation Program, Ft. Lauderdale, FL, 2008**

Conducted beach surveillance for sea turtle tracks in order to locate and mark nests. Work included checking existing nests for latching and relocating nests as necessary, recording any pertinent field information such as false crawls, and other observations.

**Program Coordinator, AmeriCorps VISTA Southwest Youth Services, 2006-2007**

Supervised, designed and launched strategies to sustain program development, and implementation. Managed and recruited staff and volunteers for programs. Worked on organization's website development and maintenance. Developed and established partnership with other organizations that resulted in subsidized increased workforce. Assisted in coordination of organization's communications, promotional activities and events in support of service programs.

**CERTIFICATIONS AND TRAINING**

- Stormwater Management Inspector 2013
- CPR 2009
- PADI Project AWARE—Oct 21 2008
- PADI Advanced Open Water—Jul 15 2008
- PADI Open Water—Mar 8 2004
- DAN Diving First Aid for Professional Divers 2009
- Small Boat Handling Department of Interior Motorboat Operator Certification Course. 2011
- AAUS Scientific Diver via reciprocity from University of Miami safety dive program at the Rosenstiel School of Marine and Atmospheric Science—2009 Rick Riera-Gomez, University of Miami/RSMAS Diving Safety Officer; 4600 Rickenbacker Cswy., Miami, FL 33149; rgomez@rsmas.miami.edu, Phone - 305.421.4107, Cell - 305.338.1445.

QUALIFIED
STORMWATER MANAGEMENT
INSPECTOR

The undersigned hereby acknowledges that

Diana Aranda

has successfully met all requirements necessary to be fully qualified through the Florida Department of Environmental Protection Stormwater Erosion and Sedimentation Control Inspector Training Program

August 23, 2013

Hal Lunsford

Inspector Number 29439

Lee Marchman, P.E.

## JACKSON MEMORIAL HOSPITAL

**ASBESTOS, LEAD, IAQ, ENVIRONMENTAL HAZARDOUS MATERIAL CONSULTING CONTRACT**

1611 NW 12th Avenue
Miami, FL 33136
Wayne Ferdinand, MPH, CHSP
(786) 295-9005
wferdinand@um-jmh.org

**Contract Period:** 1990 - Ongoing
**Role:** Prime
**Key Team Members:**

- Lucas Barroso-Giachetti, PE, CHMM
- Robert Greene, PE, PG, CIH
- John Simmons, Jr.
- Rafe Padgett, CIAQP, CIEC
- Michael Mullen, PE
- Michael Collins, CIH

| Project Includes |
|---|
| ✓ Contaminated Site Investigation & Remediation Services |
| ✓ Industrial Hygiene |
| ✓ Real Estate Support Services |

GLE has held an environmental term contract with Jackson Memorial Hospital (JMH) since 1990. During this time, GLE has performed over 210 projects related to indoor air quality (IAQ), asbestos consulting, preparation of contamination assessment plans, performance of contamination assessments, and risk assessments. Realizing that hospital surgical rooms, intensive care units, emergency rooms and life support equipment must have a non-interrupted power supply, GLE operates under strict regulations and caution. A power supply failure in this environment could be catastrophic.

GLE has performed numerous asbestos surveys throughout this 3,000,000 square feet (SF) campus. GLE has also prepared a detailed operations and maintenance program for managing and implementing these materials in-place. As part of this program, GLE trained over 200 maintenance and environmental services personnel. Prior to renovation of various areas of the facility, GLE has prepared plans and specifications for abatement, and performed contract administration and air monitoring during the abatement.

GLE has performed IAQ investigations for various areas and facilities in the hospital. The projects have consisted of interviews with affected individuals, development of testing programs, and inspection of the HVAC systems. Based on the results of our initial inspections and occupant interviews, GLE performed air quality testing, including temperature, relative humidity, carbon dioxide, volatile organic compounds (VOCs), formaldehyde, methane and bioaerosols. GLE also performed evaluations of the HVAC system, including the air handlers and distribution system. After evaluation and testing, GLE developed detailed recommendations for modifications or other remedial actions to improve indoor air quality. During one investigation of the pharmacy, it was noted that hospital personnel were working with a number of cancer testing drugs that were carcinogenic, if inhaled. Since these experimental drugs did not have TLVs or sampling or testing protocols, GLE developed a testing and analysis procedure for detection of low airborne concentrations of these chemicals.

An Expanded Contamination Assessment Plan (ECAP) was prepared by GLE to satisfy the requirements of Miami-Dade County Department of Environmental Resources Management (DERM) prior to the development of a multi-story parking garage on a site near downtown Miami. Previous soil testing programs performed on-site revealed hazardous and non-hazardous concentrations of arsenic and lead. Upon DERM's approval of the ECAP, hazardous contaminated soils were excavated and disposed.

As part of the project, GLE also performed a Risk Assessment to develop risk-based acceptable lead levels for the remaining on-site materials. The Risk Assessment addressed potential human and environmental receptors and the potential exposure during and following construction of the parking garage. The Risk Assessment Report was approved by DERM. GLE then prepared a Health and Safety Plan to provide a safe and healthy working environment for the protection of employees and the general public. As a part of this plan, an employee medical surveillance program was conducted which included initial monthly blood sampling throughout the duration of soil related work on the project, and final blood lead level analysis. In addition to medical monitoring, personal and ambient air monitoring was performed to determine airborne concentrations of lead and the potential personal exposure. GLE performed an initial five day air sampling program to determine exposure levels, future monitoring and employee protection requirements. Personal and ambient air monitoring and reporting was performed weekly thereafter, of personal protective equipment, proper hygiene procedures, safe work procedures, medical monitoring and air sampling. GLE's work also included the collection and analysis of numerous composite soil samples during the construction of an exfiltration trench on-site. Analytical results revealed non-hazardous concentrations of lead. Due to the volume of soils excavated from the exfiltration trench and the cost to dispose of them off-site, GLE submitted a proposal to DERM for depositing the soils on-site, under a concrete ramp. DERM approved the soil encapsulation proposal and the client realized significant cost savings. GLE submitted a final report to DERM at the completion of the project.

GLE has performed three (3) contamination assessments for JMH, one of which was at a motor pool facility contaminated with petroleum hydrocarbons. The assessment consisted of an extensive soil boring program and screening with an organic vapor analyzer; installation of shallow and deep monitor wells; groundwater sampling and analysis; determination of the horizontal and vertical extent of soil and groundwater contamination on-site; determination of groundwater flow direction; performance of a potable well survey; research of regional and local geology and hydrogeology; and preparation of a CAR for submittal to DERM.

## BROWARD COUNTY COURTHOUSE
### COMPREHENSIVE IAQ & WATER INTRUSION

Safety & Occupational Health Section
115 South Andrews Avenue, #A510
Ft. Lauderdale, FL 33301
William Wiley, Jr., CMC
(954) 357-6723
wwiley@broward.org

**Contract Period:** 2011
**Role:** Prime
**Key Team Members:**

- **Robert Greene, PE, PG, CIH**
- **John Simmons, Jr.**
- **Michael Collins, CIH**
- **Rafe Padgett, CIAQP, CIEC**
- **Brandon Christensen**

| Project Includes |
|---|
| ✓ Industrial Hygiene |
| ✓ Real Estate Support Services |

GLE was initially contracted by Broward County to perform a comprehensive IAQ and Water Intrusion study for the 250,000 SF Broward County Judicial Complex. The Complex consists of four (4) structures, including two (2) 10-story buildings, one (1) 7-story building, and one (1) 6-story building. GLE investigated the facility's building envelope for moisture intrusion and elevated humidity in those areas specified by Broward County as being of concern. Using in-house mechanical engineering and industrial hygiene staff, GLE completed an extensive HVAC system assessment of 93 individual air handling units, in addition to an evaluation of the indoor air environment to determine the presence of mold, temperature and relative humidity, carbon dioxide, carbon monoxide, total particulates, and VOCs. Based on the findings of our investigation, Broward County implemented a maintenance and cleaning program for their HVAC system, and coordinated remediation of various problematic areas, as identified by GLE, having visible mold and/or elevated airborne concentrations of mold spores. Furthermore, following remedial efforts, Broward County requested GLE to reassess those areas to determine the completeness of remediation. **Consulting and testing fees associated with the initial evaluation was approximately $45,000.00.**

## MIAMI INTERNATIONAL AIRPORT

**ARCHITECTURAL, ENGINEERING & ENVIRONMENTAL TERM CONTRACT**

4200 NW 36th Street, Building 5A, Suite 400
Miami, FL 33122
Foster Mack
(305) 876-8326
fmack@miami-airport.com

**Contract Period:** 1991 - Ongoing
**Role:** Prime
**Key Team Members:**

- Lucas Barroso-Giachetti, PE, CHMM
- Robert Greene, PE, PG, CIH
- John Simmons, Jr.
- Michael Collins, CIH
- Rafe Padgett, CIAQP, CIEC
- Brandon Christensen
- Jeff Knight

| Project Includes |
|---|
| ✓ Industrial Hygiene |
| ✓ Real Estate Support Services |

GLE has been contracted by the Miami-Dade Aviation Department (MDAD) since 1991 to provide miscellaneous hazardous engineering services. To date, we have completed approximately 175 individual projects totaling over $1.25 million in fees. Work has included facilities consulting, including IAQ assessments and remedial design for asbestos, lead and radon. GLE completed a highly sensitive asbestos remediation project in Building 5A (the primary MDAD administration facility), where IAQ issues were identified and addressed. GLE's design and construction administration skills enabled the project to be completed on schedule without displacing the current occupants or causing a loss of staff productivity. The work involved the coordination of four (4) other consultants and five (5) contractors performing work on each of the five (5) floors simultaneously with work areas ranging from 5,000-8,000 SF each.

**Concourse C Level 1 Asbestos Abatement/Demolition/ Renovation**

GLE was the prime consultant for a two-phased $1,000,000.00 abatement, demolition and renovation project addressing Level 1 of Concourse C of the Miami International Airport (MIA). During a proposed renovation for the installation of a new baggage handling system, it was discovered that the original 1935 Concourse had been left in place and that a 1965 three-story major addition had been constructed over this concourse. GLE was retained for the project, and initial testing and investigations revealed asbestos-containing material (ACM) fireproofing on the structure above the original Concourse and a variety of other ACM in the walls and in the adjacent operating mechanical rooms.

It was discovered that the majority of the wiring for power, lighting, communications and life safety was constructed in the plenum area above the roof and below the fireproofing. The entire plenum area was heavily contaminated. These systems needed to be rerouted and activated before abatement could begin. GLE coordinated the electrical, mechanical, and structural design in addition to providing the abatement and replacement documents.

Phase I was designed and constructed within a firm deadline to avoid the airport having to pay delay damages to one of its users. This phase was designed, bid, and completed within the designated timeframe. The electrical, mechanical and communications lines were rerouted to either non-contaminated areas or to areas, which were abated separately in accordance with the project sequencing. Phase II work also involved the reconstruction of part of the space into occupied areas and involved complete architectural services as part of the task.

The project required intense coordination between various departments of the airport, the user (American Airlines), various Miami-Dade County Departments, and the various consultants and required working in a restricted area during specified timeframes. Half of the renovated facility now accommodates the conveyor system for baggage handling operation, while the other half serves as offices and assembly spaces for American Airlines personnel. Two programmatic features included the need to complete this apron level construction without disrupting normal airport activities on the two floors above, and coordinating the baggage conveyor equipment installation with American Airlines' existing conveyor system without disrupting its operation.

**IAQ Evaluation, Building 5A**

GLE completed a highly sensitive asbestos remediation project in Building 5/5A, the primary aviation administration facility, where IAQ issues were identified and addressed. GLE's design and construction administration skills enabled the project to be completed on schedule without displacing the current occupants or causing a loss of staff productivity.

**Cargo Buildings, Asbestos Abatement & Demolition**

GLE was contracted to perform facility surveys and design services for the removal of asbestos containing materials and subsequent demolition of four cargo buildings consisting of a total of approximately 625,000 SF. Included in the project was field verifying the locations of all utilities servicing the structures, including mechanical, electrical and fuel supply lines, and ensuring that these were properly taken off-line without disrupting airport operations.

**Concourse E Satellite Transit Shuttle Miami, Lead-Based Paint Abatement**

GLE performed testing of the steel structure supporting the Concourse E Satellite Transit Shuttle for the presence of lead-based paint (LBP), and assessed the potential impact of our findings with regards to the refurbishment project scheduled for the structure. The shuttle support structure is approximately one mile in length round-trip, 25 feet wide and in some locations 40 feet off the ground with continuous traffic flow below. Our findings indicated that LBP was present over all exposed steel support surfaces. GLE was requested to design and apply value engineering principals to abatement activities to reduce the potential $4 million dollar cost to abate the entire structure to $500,000 in order to allow for the refurbishment project to proceed within budget and on schedule. GLE obtained structural plans from the engineering firm, and was able to design the project to abate only those locations to be directly impacted by the scheduled project. **The final cost for contracting and consulting services associated with the largest lead abatement project ever undertaken at MIA was approximately $425,000.**

**Cargo Buildings, Asbestos Abatement**

GLE was contracted to perform facility surveys and design services for the removal of asbestos-containing materials and subsequent demolition of four cargo buildings consisting of a total of approximately 625,000 SF. Included as part of the project was field verifying the locations of all utilities servicing the structures, including mechanical, electrical and fuel supply lines, and ensuring that these were properly taken off-line without disrupting airport operations.

**Asbestos/Lead/Radon Survey, Homestead Air Reserve Base (HARB), Homestead, FL**

GLE was retained by MDAD to provide complete inspections for asbestos, LBP and radon for 77 buildings (978,800 SF) as part of the takeover of HARB by Dade County, following base closure. These buildings were part of MIA's plan to move the air cargo operations to the Homestead location. GLE provided a four-man team working over weekends to meet the project requirements. GLE's contract included the development of CADD floor plans since most base documentation was destroyed by Hurricane Andrew. Asbestos surveys were conducted which met NESHAP requirements utilizing a modified AHERA sampling scheme. LBP was surveyed using 3rd generation XRF units. Where XRF sampling was inconclusive, paint chip samples were collected and analyzed. Radon measurement was conducted using charcoal absorption devices. For each building, a final report was prepared which detailed the finding of the asbestos, LBP and radon survey and presented cost estimates for abatement. A complete asbestos O&M Plan was prepared.

*"Thank you for the excellent service and high level of professionalism your staff has provided me at Miami International Airport. GLE's work over the past years has helped our facility maintain Airport Operations and recognize real cost savings throughout many asbestos abatement operations we have conducted throughout our facilities. I can strongly recommend GLE to any airport facility managers for the performance of environmentally related projects. Since GLE is fully aware of specific airport concerns, such as security, maintaining an operation facility and, of course, the overall liability associated with such work, I am confident that any such projects you take on will be very successful. I look forward to continuing to work with you in the future."*

– Foster Mack, Miami-Dade County Aviation Department.

## BB&T - KEY WEST PROJECT

**DUE DILIGENCE SERVICES**

5130 Parkway Plaza Boulevard
Charlotte, NC 28217
John Rybak
(704) 954-1717
jrybak@bbandt.com

**Contract Period:** 2011
**Role:** Prime
**Key Team Members:**

- John Simmons, Jr.
- Lucas Barroso-Giachetti, PE, CHMM
- Paul Belyea, PG

Over the last eight (8) years, GLE has successfully emerged as a leading provider of environmental due diligence consulting services for BB&T projects located throughout Florida and Georgia. BB&T is among the nation's top financial-holding companies and operates more than 1,800 financial centers in 11 states and Washington, D.C. Projects conducted in Key West include Phase I & II Environmental Site Assessments (ESAs) and Environmental Remediation.

| Project Includes |
| --- |
| ✓ Contaminated Site Investigation & Remediation Services |
| ✓ Real Estate Support Services |

GLE's vast technical expertise in the environmental arena, coupled with our commitment to identifying client needs and risk tolerances on a project by project basis, have resulted in the successful completion of over 1,600 environmental assessments/investigations for this large banking client. GLE has assisted BB&T with environmental due diligence involving a wide range of properties, including gasoline stations, retail shopping centers, restaurants, commercial dry cleaning facilities, apartment complexes, hotels, proposed neighborhood developments, metal recycling facilities and numerous light industrial facilities. GLE has provided BB&T with comprehensive environmental consulting services, including 734 Phase I and 150 Phase II Environmental Site Assessments, 380 Transaction Screening Procedures (TSPs), 55 Stormwater and Erosion Control Assessments, 3rd Party Peer Reviews, Regulatory File Reviews, Contamination Assessments, Remediation Designs and Site Clean-up Services, and Groundwater and Well Monitoring and Sampling Services. GLE has also completed over 40 projects related to asbestos, LBP, cause and origin, structural evaluations, IAQ, hazardous materials, radon and mold consulting services.

During 2009, 2010, and 2011, GLE ranked 1st in the country in terms of overall revenue from environmental projects awarded to consultants and has consistently been rated by BB&T as one of it's top performing consultants .

**GLE conducted a Phase I and II ESA on a Property located within the city of limits of Key West.** The assessment included identification of historical uses including dry cleaning activities going back several decades and surrounding uses including historical filling stations and/or auto repair. Like so many properties in Key West, access to conduct a subsurface investigation was a challenge due to limited open spaces and the proximity of other structures. GLE successfully completed a Phase II ESA investigation assessing the historical dry cleaning operation and shallow and intermediate groundwater quality to investigate potential contamination to deeper groundwater by historical dry cleaning solvent releases.

## CCI SOLUTIONS

**VARIOUS ENVIRONMENTAL ENGINEERING & INDUSTRIAL HYGIENE PROJECTS, HARB**

51 Third Street, Building 2
Shalimar, FL 32579
Al Andrews
(850) 613-6236
Aandrews@cci-alliance.com

**Contract Period:** Ongoing
**Role:** Prime
**Key Team Members:**

- John Simmons
- Lucas Barroso-Giachetti, PE, CHMM
- Paul Belyea, PG
- Michael Mullen, PE
- Brandon Christensen

**Project Includes**

- ✓ Contaminated Site Investigation & Remediation Services
- ✓ Industrial Hygiene
- ✓ Real Estate Support Services

**OU-30 Site Assessment and Source Removal**

GLE Associates, Inc. (GLE) was retained by CCI Solutions, LLC (CCI and Client) to conduct environmental assessment, regulatory interface, and excavation oversight services at Operational Unit 30 (OU-30) related to a discharge of asphalt and asphalt-contact wastewater on March 19, 2013, from a runway area located within the Homestead Air Reserve Base (HARB) in Homestead, Miami-Dade County, Florida.

During the project, GLE communicated and coordinated with the following governmental agencies:

- Florida Department of Environmental Protection (FDEP)
- United States Environmental Protection Agency (USEPA)
- United States Air Force (USAF)
- United States Army Corps of Engineers (USACE)
- Miami-Dade County Department of Regulatory and Economic Resources (RER)

Based on a review of the analytical results of solid and wastewater "source" samples collected at the HARB following the discharge, total recoverable petroleum hydrocarbons (TRPH), arsenic, lead, and several semi-volatile organic compounds (SVOCs), specifically polynuclear aromatic hydrocarbons (PAHs), were reported above the applicable Soil Cleanup Target Levels (SCTLs) and Groundwater CTLs (GCTLs), as established in the Miami-Dade County Environmental Protection Ordinance. The analytical results suggested the COCs were strongly related to the expected asphalt content in the solid and wastewater samples collected. Based on the results of the waste characterization samples, GLE proposed to collect soil confirmation samples within the reported limits of the March 19, 2013 discharge area for the contaminants of concern (COCs) reported above the MDLs in the source characterization samples.

Based on information provided by the USACE, GLE was informed that the discharge in the OU-30 area occurred in a location formerly excavated due to documented arsenic and benzo(a)pyrene (BaP) impacts. In summary, GLE advanced total of nine (9) soil borings (SB-1 through SB-9) within the middle of the approximate discharge area and at the approximate boundaries, or anticipated sidewalls, of the proposed excavation. GLE proposed to sample the monitoring well located within the source removal area to assess groundwater quality in the area of the discharge. Based on information provided in figures by USACE, monitoring well OU30-MW09 reported arsenic with a concentration of 42.2 micrograms per liter (µg/L) during 2010.

GLE personnel conducted source removal oversight activities on August 29 and 30, 2013, and backfilling activities on September 3 and 4, 2013. PAH-impacted soils were excavated within and around the delineated discharge area. A total of six (6) sidewall confirmation soil samples (SW-1 through SW-6) were collected and submitted for rush PAH analysis. Analytical results reported PAHs below the applicable SCTLs with the exception of SW-1, which reported BaP concentrations likely associated with the adjoining asphalt roadway. A total of 367.53 tons of PAH-impacted soils and limerock were removed from the OU-30 area and transported to the Clean Earth facility in Moore Haven, Florida. Upon completion of the soil confirmation sampling activities, the excavated areas were backfilled with 401.22 tons of imported clean fill and compacted to match the surrounding grade. GLE provided oversight of the manifesting of the transportation of the impacted soils from the Site to Moore Haven, Florida.

On September 9, 2013, GLE personnel sampled shallow groundwater monitoring well OU30-MW09. Analytical results for groundwater sample EMW-01 from monitoring well OU30-MW09 reported VOCs, SVOCs, PCBs, TRPH, cadmium, chromium, and lead below the applicable MDLs. Arsenic was the only constituent detected above the MDLs, and was reported above the GCTL of 10 µg/L with a concentration of 29 µg/L. The reported arsenic concentration above the GCTL was an existing condition prior to the unlawful discharge event on March 19, 2013, based on information provided to GLE by the USACE. Based on the above results, PAH-contaminated soils appeared to have not impacted groundwater in the immediate vicinity of monitoring well OU30-MW09.

Based upon the soil and groundwater confirmation sampling conducted and the reported analytical results after the source removal activities, GLE did not recommend additional sampling and/or cleanup activities. RER provided a No Further Action (NFA) status for the discharge in correspondence dated December 16, 2013.

**Various Industrial Hygiene Projects, HARB**

GLE has completed dozens of projects for CCI as it relates to industrial hygiene and/or Real Estate Support Services, including ACM surveys, LBP surveys, mold assessments, and other IH-related air sampling at numerous buildings and work areas within the HARB.

## SCHOOL BOARD OF BROWARD COUNTY (SBBC)

**ASBESTOS, INDOOR AIR QUALITY (IAQ), LEAD-BASED PAINT (LBP), MOLD AND ENVIRONMENTAL ENGINEERING**

1643 North Harrison Parkway
Sunrise,FL 33323
Robert Krickovich
(754) 321-1638
Robert.krickovich@browardschools.com

**Contract Period:** Ongoing
**Role:** Prime
**Key Team Members:**

- **John Simmons, Jr.**
- **Rafe Padgett, CIAQP, CIEC**
- **Jeffrey Knight**
- **Brandon Christensen**

| Project Includes |
|---|
| ✓ Industrial Hygiene |
| ✓ Real Estate Support Services |

GLE has served as the term environmental consultant for the SBBC since 1998. GLE has completed over 1,240 projects for SBBC under this contract, included in the scope are asbestos, lead, mold and related IAQ consulting services and remedial actions. Under this contract, GLE has completed projects, including asbestos inspection for AHERA compliance, asbestos abatement, LBP inspection, contamination assessments remedial design, remedial actions and emergency response. The AHERA compliant re-inspections are performed with GLE's EPA-certified and trained staff and includes the research and assembly of data accumulated from previous facility surveys and abatement projects performed. Additional confirmatory sampling is performed as necessary with the analytical results being incorporated into both the report and site plans prepared for the facility.

When concerns arose regarding LBP at a number of facilities in 1999, GLE was requested to conduct extensive testing to determine the magnitude of LBP present at these facilities. GLE preformed the surveys utilizing an X-ray Fluorescent (XRF) gun versus the traditional paint chip sample method. This allowed for reports to be provided to the School Board within a week of authorization and cost savings resulting from the elimination of lab fees and decreased time in the field. Additionally, this testing method allowed for a much more comprehensive report because of the increased number of test locations that were possible.

GLE also performed IAQ and mold evaluations of over 30 school campuses. After each project was completed, GLE's architectural division designed remedial and replacement activities which were performed under the supervision of GLE. **The estimated value of this term contract was $5,000,000.**

## PALM BEACH COUNTY

**ASBESTOS AND INDUSTRIAL HYGIENE SERVICES**

100 Australian Avenue, Suite 200
West Palm Beach, FL 33406
Sylvia Pfahl
(561) 233-5423
spfahl@pbcgov.org

**Contract Period:** Ongoing
**Role:** Prime
**Key Team Members:**

- **John Simmons, Jr.**
- **Lucas Barroso-Giachetti, PE, CHMM**
- **Michael Collins, CIH**
- **Rafe Padgett, CIAQP, CIEC**
- **Jeffrey Knight**
- **Brandon Christensen**

GLE has provided various asbestos consulting services to Palm Beach County over the past year, including ACM air monitoring, ACM demolition surveys and reports. Facilities have varied and include the courthouse, a single family residential facility, former veterinary clinic and other county-owned facilities.

| Project Includes |
|---|
| ✓ Industrial Hygiene |
| ✓ Real Estate Support Services |

## JIGS, LTD

**UST SITE SERVICES**
202 West Camellia Street
Everglades City, Collier County, Florida
FDEP Facility No. 8518260
Mr. Howard Ziefman, Manager
(305) 905-0057

**Contract Period:** Ongoing
**Role:** Prime
**Key Team Members:**
- **Lucas Barroso-Giachetti, PE, CHMM**
- **Paul Belyea, PG**
- **Michael Mullen, PE**

| Project Includes |
|---|
| ✓ Contaminated Site Investigation & Remediation Services |
| ✓ Underground Storage Tank Site Services |
| ✓ Real Estate Support Services |

GLE was retained by JIGS, LTD (Client) to conduct source removal and UST closure activities at the site, located at 202 West Camellia Street in Everglades City, Collier County, Florida. The Property was located adjoining a protected waterway, the Barron River, and is identified by Collier County Property Appraiser Parcel No. 83492840008. The Property is also identified as FDEP Facility No. 8518260. GLE understands that on the evening of May 31, 2012, representatives of Monster Demolition, a subcontractor of the Client, observed petroleum product, petroleum odors, and sheen in site soils and groundwater surrounding an unidentified UST. The origins and/or installation date of the approximately 1,000-gallon UST are unknown. At the time of the discovery of the abandoned UST, the Property was in the process of being demolished for construction purposes, and the UST was discovered under an abandoned concrete slab. During the evening hours of May 31, 2012, and June 1, 2012, SWS Environmental Services, Inc. (SWS) deployed absorbent pads and protective booms surrounding the Property boundary, adjoining the Barron River, to prevent potential migration of contaminants into the waterway.

A potential issue or problem associated with the project was the sensitive environmental setting of the work activities. The Property is located adjacent to a protected waterway, the Barron River, and generally surrounded by protected habitat within the Everglades National Park. GLE's coordination with the Client, remediation contractor, FDEP, Collier County, and U.S. Coast Guard in the first 24 to 48 hours after the buried UST and petroleum contamination was encountered, prevented and/or minimized further potential impacts to the sensitive habitat and wildlife near the Property. In addition, protective measures and best management practices were implemented during excavation activities to minimize petroleum impacts to the adjacent Barron River.

During the afternoon of June 1, 2012, Collier County Public Utilities Division – Pollution Control Department (CC PCD) representatives conducted a site visit to document the site conditions. During a meeting with the Client, GLE, and CC PCD, the CC PCD representatives stated that the U.S. Coast Guard was contacted regarding the discovery of the UST near the Barron River and that no further action was warranted by the Client, based upon the spill response actions conducted by SWS and GLE. In addition, a Storage Tank Facility Registration Form and Discharge Reporting Form (DRF) were filed with the CC PCD representatives at the site during the meeting. On June 6, 2012, the UST was removed. GLE personnel conducted source removal, soil sampling, and groundwater sampling activities on June 6, 7, 8, 11, and 14, 2012 and on August 15, 2012, at the Property. In summary, a total of 81 truck loads (approximately 1,218 tons) of petroleum-impacted soil were removed from the Property and transported to the Collier County Landfill facility in Naples, Florida. Upon completion of the soil screening and sampling activities, the excavated area was backfilled with a total of 122 truck loads (2,190

cubic yards) of imported clean fill. Additional clean fill (972 cubic yards) was compacted and used to raise the grade of the Property for the purpose of the construction of a new facility and parking area at the Property.

On June 8, 2012, GLE collected sidewall soil samples SW-01 North (north sidewall) and SW-01 West (west sidewall). On June 12, 2012, GLE collected soil samples SW-01-East (east sidewall) and SW-01 Bottom (bottom of the excavation area directly beneath the UST, as requested by CCPCD). On June 14, 2012, GLE collected sidewall soil sample SW-01 South (south sidewall). Sidewall samples were collected at approximately 4 to 12 feet below land surface (bls). As requested by CCPCD representatives, soil samples were analyzed for Volatile Organic Compounds (VOCs) analysis by EPA Method 8260, Polynuclear Aromatic Hydrocarbons (PAHs) analysis by EPA Method 8270, Total Petroleum Hydrocarbons (TRPH) analysis by the FL-PRO Method, and metals (chromium and lead) analysis by EPA Method 6010. Soil analytical results in the excavation area reported VOCs, PAHs, TRPH, chromium, and lead below the applicable FDEP Soil Cleanup Target Levels (SCTLs). On August 1, 2012, GLE and representatives of a registered drilling company, JAEE Environmental Services, Inc. installed one (1) permanent groundwater monitoring well, MW-1, in the approximate center of the former UST area as discussed and approved by FDEP and CCPCD. On August 15, 2012, monitoring well MW-1 was sampled for full list VOC analysis by EPA Method 8260 and full list semi-volatile organic compounds (SVOCs) analysis by EPA Method 8270, as requested by the FDEP. Analytical results for groundwater sample MW-1 reported VOCs and SVOCs below the applicable FDEP Groundwater CT Ls (GCTLs).

Based on the analytical results reporting parameters below the applicable SCT Ls and GCTLs, GLE, on behalf of the Client, prepared the Limited Source Removal and Tank Closure Assessment Report for submittal to FDEP and CCPCD for review and approval in accordance with correspondence dated June 20, 2012, from Collier County. GLE requested that the Property be granted a Site Rehabilitation Completion Order (SRCO).

Project achievements included completing the excavation, confirmation assessment activities, and receiving a SRCO closure from FDEP within 6 months of project initiation. This expedited closure was a result of working closely with the involved regulatory authorities such as FDEP, Collier County, and the U.S. Coast Guard. In addition, GLE completed these activities while not impacting the construction schedule for the Client's new stone crab fishing and processing facility.

.

## MACY'S SERVICE CENTER/KEYSTONE FREIGHT

### MLO SITE ASSESSMENT & GROUNDWATER MONITORING

7 West Seventh Street
Cincinnati, OH 45202
Melissa Olberding, CHMM
(513) 562-6707

**Contract Period:** Ongoing
**Role:** Prime
**Key Team Members:**

- **Lucas Barroso-Giachetti, PE, CHMM**
- **Paul Belyea, PG**
- **Michael Mullen, PE**
- **Jeffrey Knight**

The Property has been historically assessed by multiple consultants, with GLE being retained by Macy's, Inc. (Macy's) to assist with the final MOP closure efforts in 2009. In January 2009, GLE was contracted by Macy's to conduct additional site assessment activities and address Miami-Dade County Department of Environmental Resources Management (DERM) comments based on previous assessment and remediation activities by other consultants. The site is a former freight facility located at 3000 Northwest 73rd Street, Miami, Miami-Dade County, Florida. The Property was previously utilized as a truck fleet maintenance facility, and is currently vacant.

**Project Includes**

- ✓ Contaminated Site Investigation & Remediation Services
- ✓ Underground Storage Tank Site Services
- ✓ Real Estate Support Services

GLE personnel conducted soil boring and sampling activities from February 16-17, 2009 with a total of 23 soil borings, designated as soil borings SB-01 through SB-23, advanced around the perimeter of the 2008 source removal excavation area. On February 17, 2009, GLE and Wombat Environmental, Inc. conducted the permanent groundwater monitoring well installation activities for monitoring wells MW-50, MW-51, MW-52, MW-53, MW-54, and MW-55. Soil screening of soil samples collected from 23 soil borings installed around the recent excavation area, and screened with an organic vapor analyzer (OVA) of the soil samples collected, indicated that petroleum hydrocarbons above 10 parts per million (ppm) were detected within thirteen (13) samples, only one of which was above the groundwater table. Confirmation soil samples collected by GLE for laboratory analyses from the sidewalls of the recent excavation area indicated that no VOAs, VOHs, PAHs, RCRA Metals, PCBs, or TRPH constituents were reported above the applicable Soil Cleanup Target Levels (SCTLs) within the four (4) soil samples collected from the soil borings installed to access the sidewalls of the most recent excavation. Based on the above, the source removal conducted by URS appeared to have effectively removed the source of groundwater impacts identified at the Property. GLE prepared two (2) Supplemental Site Assessment Reports (SSAR No. 5 and No. 6) submitted to DERM on May 14, 2010 and November 15, 2011, respectively.

Based upon the arsenic, TRPH, and isopropylbenzene concentrations detected above GCTLs, and the historical presence of isopropylbenzene in monitoring wells located downgradient of the current excavation area, GLE recommended that confirmation of groundwater quality in the current excavation/source removal area be conducted. GLE recommended that monitoring wells MW-23R, MW-42R, MW-45, MW-46, MW-51, MW-52, MW-53, MW-54, and MW-55 be sampled quarterly for one (1) year to confirm the contaminant concentrations and to assess whether natural attenuation of the contaminants of concern may occur now that the source of groundwater impacts had been completely removed from the site. GLE recommended that only the constituents of concern (COCs), including arsenic, TRPH and isopropylbenzene, be analyzed.

# Coastal Engineering Services

## SWC SPECIFIC RELEVANT EXPERIENCE IN LAST 5 YEARS

The table below contains all requested project information with detailed project descriptions immediately following.

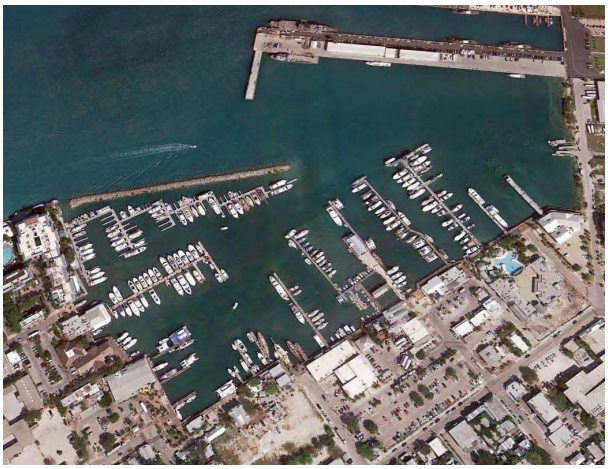
| Needs | Wastewater Project Horizontal Directional Drill under Seven Channels--Permitting and Monitoring, Islamorada | A&B Marina Water Quality Management Plan, Clean Marina, & Water Quality Testing, Key West Bight | Environmental Sections, Port Everglades Master Plan Update, Ft. Lauderdale | Tarpon Pier Replacement, Garrison Bight, Key West | Permit Compliance and Mangrove Trimming Authorization, Seaside Condominiums, Key West, FL | Caloosa Cove Marina Permitting Assessment for Maintenance Dredging, Islamorada | Sunset Harbor Seawall Replacement, Stock Island | Stormwater Filter Marsh, Naples |
|---|---|---|---|---|---|---|---|---|
| Start & end dates | 2012-2014 | 2013-ongoing | 2013-2014 | 2011-2013 | 2005-2010, 2011-present | 2014-present | 2013-present | 2008-2010 |
| Client Name | Arcadis | Keyhaven Enterprises, Inc. | Aecom | Hans Wilson & Associates, Inc. | Bob Butler; Steve Johnson | Cut Nail Marine Services, Inc. | Carefree RV Resorts, Inc. | MacTech |
| Client's Representative | Wynne Grubbs | William Smith | Lori Baer | Hans Wilson | The Argonaut Group; SeaSide Key West Residences, LOA | Denny O'Shea | John Murphy | Charlene Stroebel |
| Client's Address | 2410 Paces Ferry Road, Suite 400, Atlanta, GA 30339 | 700 Front Street, Key West, FL 33040 | 800 Douglas Entrance, Coral Gables, FL 33134 | 1938 Hill Avenue, Fort Myers, FL 33901 | 3685 Seaside Drive, Suite 2, Key West, FL 33040; 17 Seaside Court South, Key West, FL 33040 | 301 E Las Olas Boulevard, Ft. Lauderdale, FL 33301 | 5031 5th Avenue, Key West, FL 33040 | 4919 W. Laurel Street, Tampa, FL 33607 |
| Client's Telephone Number | (770) 431-8666, wynne.grubbs@arcadis-us.com | (305) 294-4902; 320will@gmail.com | (305) 447-3509; lori.baer@aecom.com | (239) 334-6870; hans@hanswilson.com | (305) 766-5064, Rabargokw@aol.com; (305) 712-0500, sljtag@aol.com | (954) 627-9345; (954) 627-9345 | (602) 677-5879; jmurphy@carefreervresorts.com | 813-636-1528 |
| Key Personnel in Design | Sandra Walters & Randy Corbin | Diana Aranda & Sandra Walters | Sandra Walters & Diana Aranda | Shelli Tallacksen & Sandra Walters | Sandra Walters | Sandra Walters & Randy Corbin | Sandra Walters & Subcontractor Hans Wilson & Associates | Joshua Peele, Mike Tust & Sandra Walters |
| Design Services Fee | Permitting: $59,742.82; Compliance monitoring: $74,462.43 | $8,650.00 to date | $26,418.62 | $18,057.50 | Permit compliance: $77,478.64; Mangrove trimming permitting: $12,484.79 | $3,657.66 | $28,500.00, includes concept design, env permitting, geotech & detailed design, & CEI | $11,745.07 |
| Estimate of Construction Cost | | N/A | N/K | N/A | N/K | N/K | N/K | N/K |
| Name of Contractor | Arrow Directional Drilling, Inc. | N/A | N/K | Ebsary Foundation Company | N/K | N/K | N/K | N/K |
| Contract Award Amount | | N/A | N/K | $1,427,056 | N/K | N/K | N/K | N/K |
| Contractor's Representative | Jeff Blake | N/A | N/K | Mathew J. Shiring, P.E. | N/K | N/K | N/K | N/K |
| Constractor's Address | 11950 NW 3th Street, Suite A, Coral Springs, FL 33065 | N/A | N/K | 2154 NW North River Drive, Miami, FL 33125 | N/K | N/K | N/K | N/K |
| Contractor's Telephone Number | (954) 931-3552 | N/A | N/K | (305) 325-0530, X108 | N/K | N/K | N/K | N/K |

**Wastewater Project Horizontal Directional Drill under Seven Channels—Permitting and Monitoring, Islamorada, Village of Islands -** As part of Islamorada's project to install a wastewater transmission system to connect to the Key Largo treatment plant, SWC coordinated with all regulatory and resource management agencies to identify issues of concern, conducted wetland and benthic resource data collection requested by the agencies, and worked with project engineers to avoid all impacts to resources. SWC prepared and processed detailed permit applications that addressed agency concerns, and acquired all permits from the Florida Department of Environmental Protection, U.S. Army Corps of Engineers, and Florida Keys National Marine Sanctuary within less than three months of submittal.

SWC provided full-time onsite environmental compliance monitoring services during the seven months of drilling activities following staff training and coordination with the project engineer and contractor to design an effective monitoring protocol,. Work included developing and providing summary reports following to the contractor the completion of each drill to provide the regulatory agencies, as required under permit conditions. The project was a great success, with no negative impacts to sensitive coastal and marine resources.

**Tarpon Pier Replacement, Garrison Bight, Key West:** SWC worked as a subcontractor to Hans Wilson & Associates, Inc. on this project, in charge of environmental data collection, and development and implementation of an impact assessment and mitigation plan, for replacement of an existing City pier in Garrison Bight. Work included mapping submerged resources including seagrasses and corals, coordination with the Florida Keys National Marine Sanctuary and Florida Department of Environmental Protection, and transplantation of impacted corals consistent with Sanctuary requirements.

**A&B Marina Water Quality Management Plan, Clean Marina Designation, and Water Quality Testing, Key West Bight:** SWC was contracted to assist the marina with meeting new sub-merged land lease requirements that include conducting regular water quality monitoring. SWC first met with Florida Department of Environmental Protection (DEP) staff and identified a course of action that involved preparing a water quality management plan for the marina documenting that best management practices are being implemented to ensure that no release of contamination takes place. The plan was submitted to and approved by DEP.



As the marina was in the process of expanding its existing wastewater pumpout facility to provide pumpout sites at each slip, SWC and DEP developed a semi-annual water quality monitoring schedule that started following this construction, and the first sampling took place on July 2, 2014, with four more weekly samplings included in the first, wet-season event. DEP required fecal coliform bacteria be tested for, so samples must be transported to the only laboratory in the Florida Keys, located in Marathon, within 6 hours of collection. Following the five sampling events, a report will be prepared and submitted to DEP. The second semi-annual monitoring event will take place in the dry season.

Concurrent with development of the water quality management plan, SWC worked with marina management to develop and submit to DEP the application materials for State Clean Marina status. DEP staff visited the site in June 2014 and SWC is working on minor management plan revisions to address all requirements. Designation is expected within the next few months.

**Permit Compliance and Mangrove Trimming Authorization, Key West:** SWC has worked with first the developer and then the homeowners association at the Seaside Condominiums since 2005. The first project involved a permit compliance issue with the South Florida Water Management District. SWC conducted an extensive review of design and permitting information regarding the project, coordinated at length with the District, and identified the specific issues of concern and the full nature of their scope. SWC, working with the client, then negotiated a settlement agreement with the District that provided, in lieu of a punitive fee, the designing, permitting and constructing of an environmental restoration project within the Salt Ponds. The settlement agreement was adopted by the District, the project built, and the District gave an award to the developer for their cooperative approach in resolving the problem.

More recently, the property needed to trim mangroves that were starting to obscure views from as high as the second floor of units. This proved to be a complex process because some, but not all, of the mangroves were in a conservation easement. In addition, red mangroves were growing into stormwater swales, which would lead to dregrading of the stormwater system. SWC mapped all the mangroves that required trimming and removal, delineated which areas were within the conservation easement and the size of the areas, prepared figures providing detailed information regarding how mangroves would be trimmed, and designed a trimming project consistent with Florida's Mangrove Trimming Statute. SWC also met with District staff onsite. The firm then submitted a detailed report to the District requesting the trimming, and documenting the clearing of red mangroves in the stormwater swales as exempt maintenance of the stormwater system. The District issued authorizations for all work, and first stages of trimming have taken place, because, due to the amount of trimming, only 25 percent can be implemented in a given year.

**Caloosa Cove Marina Permitting Assessment for Maintenance Dredging, Islamorada, Village of Islands:** SWC was recently retained to make an assessment of whether it would be feasible to maintenance dredge a marina in Islamorada. Two factors are critical to acquisition of maintenance dredge permits in the Florida Keys, as specified by State regulations and County and Village Code—at least 4 feet of depth from the mooring area to open water, and no seagrass beds or corals within the area requiring maintenance dredging. Field investigation found adequate water depth and no protected marine resources, and, therefore, SWC determined that acquiring local, State and federal permits for maintenance dredging should be feasible.

The client also requested an estimated timeline for the permitting process. SWC prepared a Gantt chart identifying all permitting tasks and durations, estimating that approximately 10-12 months would be required. Much of this time is due to the current requirement that U.S. Army Corps of Engineers applications for all in-water construction projects in Florida must be reviewed by the National Marine Fisheries Service, which, due to major backups due to the permit volume, is taking at least 6-8 months.

**Sunset Harbor Seawall Replacement, Stock Island, Monroe County:** SWC is working for the Sunset Harbor Mobile Home Park to implement replacement of old seawalls in the interior canal at this Stock Island property. Hans Wilson & Associates, Inc. is working as a subcontractor to SWC as the engineer of record. A benthic assessment was conducted to determine if any protected resources would be affected, and no seagrasses or corals were found in the canal or on the canal walls.

HWA prepared permit sketches presenting the conceptual seawall replacement design, and then worked with SWC to prepare all permit application materials to thoroughly address specific permitting issues, and in particular, concerns of National Marine Fisheries Service (NMFS) which must review all in-water construction permit applications in Florida. Applications were filed with the South Florida Water Management District and U.S. Army Corps of Engineers in September 2013, and the District exemption was received in November 2013. The Corps application is still pending completion of NMFS review, which has been in progress for more than 6 months.

Currently SWC and HWA are working with the client to prepare final detailed seawall design, so that, once the Corps permit is issued, County building permit applications can immediately be filed. Geotechnical data was recently collected to assist in that process.

**Key West Mooring Field Pilot Project, Key West:** SWC, working with the Monroe County Marine Resources Department, conducted a one-year study of moored vessels around Key West Mooring Field as part of County and State mooring field pilot project. Work involved monthly data collection of locations and types of vessels, analysis and report preparation. This study provided valuable data for Monroe County's decision-making process to identify areas where additional mooring fields and protection zones should be placed.

**Stormwater Filter Marsh, Naples:** The City of Naples has a significant problem with direct discharge of untreated stormwater into Naples Bay, which has resulted in the Bay receiving the State designation of an Impaired Water Body. To address this, the City is working to create natural filtration areas to treat stormwater before it is discharged. SWC conducted all environmental components of designing and permitting a filter marsh, including conducting a wetland jurisdictional determination, habitat evaluation, and threatened and endangered (T&E) species survey; conducting a Florida Uniform Mitigation Assessment Method (UMAM) evaluation of wetlands that would be affected by the project; developing an impact assessment and mitigation plan for unavoidable impacts; and providing general assistance with preparing and processing permit applications with the Florida Department of Environmental Protection and US Army Corps of Engineers (USACE).

**Port Everglades Master Plan, Ft. Lauderdale:** SWC began work at Port Everglades in 2006, conducting all natural systems and contamination-related data collection and analysis and permitting assessments for the five-year master plan and a subsequent update, including incorporation of the updated plan into the Broward County comprehensive plan. SWC again conducted the same tasks for the most recent update, including assessing the recently-released U.S. Army Corps of Engineers Harbor Deepening and Widening Feasibility Study and Draft Environmental Impact Statement. These 2013 Corps documents evaluate impacts on wetlands and benthic habitat, including seagrasses and corals, and provide a mitigation plan for unavoidable impacts, and are currently undergoing extensive review and revision by resource management agencies.

## MANAGEMENT APPROACH

GLE's vast experience, combined with our ability to provide successful project management and administration, means each one of your projects will receive quick response, accurate and thorough analysis, consistent communication, superior client service, and practical cost effective solutions. This proven approach has led to GLE's 25-year track record for delivering successful projects, resulting in an impressively high rate of renewals with existing and new clients.

GLE's environmental professionals presented for this RFP have helped numerous public entities comply with the federal, state and local regulations associated with asbestos, mold, lead, industrial hygiene, indoor air quality, radon and other environmental concerns. This experience, combined with our ability to provide successful project management and administration, creates a unique team, capable of meeting the comprehensive coordination needs of this contract. GLE has the experience, personnel and equipment necessary to meet the multiple needs anticipated by this contract.

### REPRESENTATIVE PUBLIC SECTOR EXPERIENCE

- Alachua County
- Baker County
- Broward County
- City of Altamonte Springs
- City of Casselberry
- City of Clearwater
- City of Clermont
- City of Coral Springs
- City of Deerfield Beach
- City of Haines City
- City of Largo
- City of Miami
- City of Miramar
- City of North Miami Beach
- City of Palmetto
- Department of Military Affairs
- Department of Veterans Affairs
- Florida Department of Environmental Protection (FDEP)
- Florida Department of Transportation
- Hillsborough County
- Hillsborough County School District
- Lake County Public Works Department
- Miami Dade County
- Miami Dade County Aviation Department
- Manatee County
- Okeechobee Board of County Commissioners
- Orange County Pubic Schools
- Osceola County
- Palm Beach County
- Pinellas County
- Pinellas County School Board
- School Board of Broward County
- School Board of Citrus County
- School Board of Volusia County
- Seminole County
- Seminole County Public Schools
- St. Lucie County
- Town of Davie

## SCHEDULE CONTROL

GLE recognizes the importance of close communication with client personnel and our own team members regarding the project budget, schedule and status. All GLE offices are networked and utilize e-mail. All personnel have individual PCs, including field managers, who utilize portables and wi-fi networking. As applicable, GLE proposes to set up an extranet where project information can be viewed by the entire team. GLE has developed databases to help multi-site owners manage their environmental issues. We currently utilize Microsoft Access and/or Excel for data management. Our Access database currently is being utilized by four government agencies with over 400 separate sites.

GLE aggressively manages the schedule of projects for completion on or ahead of schedule. For environmental transaction audits, we typically complete projects within 7 to 10 days of authorization—well ahead of industry averages. Our internal procedures and solid subcontractor relationships allow us to priority schedule our projects for completion ahead of schedule. All of our environmental projects have been completed on or ahead of the outlined schedule proposed to our client. In the event of any deviations (e.g. additional scope, access denial) in a project schedule, we promptly communicate with our client.

Project overloads will be handled in a project-specific manner. GLE can complete work outside of normal business hours to ensure that tasks are completed accurately and on time. With 70% of our work from public agencies, GLE understands the time constraints under which public agencies operate. We have learned that there are four critical criteria to keeping a project on schedule:

1. *Develop a detailed, accurate, agreed-upon schedule at project startup.*
2. *Review/update schedule regularly (at least weekly) and distribute to all personnel.*
3. *Hold team meetings to review schedule and budget.*
4. *Give project manager authority to allocate any resources necessary to successfully execute project.*

After receipt of a project and notice to proceed, GLE's Project Manager will meet with each appropriate task manager to develop a detailed schedule and budget. The project will be broken into tasks and sub tasks, and schedules will be established. GLE utilizes Deltek for project tracking. The schedule is updated daily and available upon request.

All projects, regardless of geographic location, are managed by a single project manager. The manager coordinates all work from initial planning through final close out, serves as the primary client contact, and manages all in-house resources and subcontractors. Should weekly review indicate scheduling issues, the project manager has the authority to commit additional resources and modify the project sequence in order to meet the schedule.

## COST CONTROL

The key to managing multi-task projects is cost control interrelated with schedule control. GLE utilizes the Deltek system to develop and track costs. Budgets for each task and sub-task are entered into the system. Work can be charged under a pre-determined lump-sum fee or cost-plus arrangement with backup. For each task, man hours for each job classification and materials and equipment costs are established.

Costs are updated on a weekly basis, and job cost reports are distributed to the project manager as well as each task manager. The project manager also can review the project status on line. In order to ensure that budgets are not exceeded at the lowest level, the Deltek program will not allow an increase in time or cost in any task above the pre-established budget without the project manager's approval. At the weekly progress meetings, both budgets and schedules are reviewed with each task manager to ensure that both are met or to rapidly correct any problems that could affect the project.

## QUALITY CONTROL, QUALITY ASSURANCE AND COMMUNICATION

Lucas Barroso-Giachetti, PE, CHMM will serve as the single point of contact between GLE and the City's Project Manager. As necessary, he will meet with the project manager, evaluate the scope of work and schedule, and assign the appropriate team to complete each project. As necessary, he will respond to any concerns expressed by the regulatory agencies with personal contact.

GLE maintains a strict, automated electronic QA/QC program. The program starts from the project initiation through our accounting system, which tracks project milestones and due dates. This tracking mechanism is updated in real time and is viewed corporately through a dashboard system on employee's computers. Upon project completion, all

final deliverables are sent to a single repository for final QA/QC by a single service line reviewer. The system tracks the review process as well as the due date of the review. Upon completion of the review, an automated e-mail response is generated to the project manager to review and comments/corrections are made by the reviewer.

GLE applies the same level of QC/QC from the smallest to the largest project.

## LOCATION

GLE will service this contract from our Tampa headquarters, located at:

**GLE Associates, Inc. | 1000 NW 65th Street, Suite 100 | Ft. Lauderdale, Florida 33309**

Our Project Principal and CIH, Robert Greene, PE, PG, CIH, LAC, LEED AP is also our company President meaning you have full access to our number one decision maker. Your Project Manager, Lucas Barroso-Giachetti, PE, CHMM will provide you with fast support and experienced management of the project team including subconsultants.

While GLE's hours of operation are Monday through Friday from 8:00 a.m. to 5:00 p.m., We provide 24-hour, seven days-per-week emergency response to meet all of your needs. In addition, all of GLE's key team members are equipped with mobile phones and all key team members have remote computer access. In the event of a catastrophe, GLE maintains a self contained emergency response RV which can be immediately mobilized to any site in the City. The RV has satellite phone and data to allow us to provide restoration and repairs in the aftermath of a disaster.

## OUR KEY SUBCONSULTANT IS LOCATED IN KEY WEST:

**SWC Consulting Services | 6410 5th Street, Suite 3 | Key West, Florida 33040**

## AVAILABILITY

| | Current Availability | Time Dedicated to Project |
|---|---|---|
| **GLE Staff Availability** | | |
| Lucas Barroso-Giachetti, PE, CHMM | 75% | 50% |
| Robert Greene, PE, PG, CIH, LEED AP | 50% | 25% |
| Michael Collins, CIH, CIEC | 50% | 25% |
| Paul Beleya, PG | 75% | 50% |
| John Simmons, Jr. | 90% | 60% |
| Rafe Padgett, CIAQP, CIEC | 75% | 50% |
| Micheal Mullen, PE | 75% | 50% |
| Jeffrey Knight | 75% | 50% |
| Brandon Christensen | 75% | 50% |
| **SWC Staff Availability** | | |
| Sandy Walters, MA | 50% | 25% |
| James Brush, PE | 50% | 25% |
| Diana Aranda, MS | 50% | 25% |

# State of Florida
## Department of State

I certify from the records of this office that GLE ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on September 12, 1989.

The document number of this corporation is L15949.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on January 9, 2014, and its status is active.

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

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Ninth day of January, 2014*

Ken Detzner
*Secretary of State*

**Authentication ID: CC0564297155**

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

**https://efile.sunbiz.org/certauthver.html**

# State of Florida
## Department of State

I certify from the records of this office that SANDRA WALTERS CONSULTANTS, INC. is a corporation organized under the laws of the State of Florida, filed on January 4, 2000.

The document number of this corporation is P00000000847.

I further certify that said corporation has paid all fees due this office through December 31, 2014, that its most recent annual report/uniform business report was filed on February 18, 2014, and its status is active.

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

*Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Nineteenth day of March, 2014*

Ken Detzner
*Secretary of State*

**Authentication ID: CU0464112532**

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

**https://efile.sunbiz.org/certauthver.html**

## FLORIDA ENGINEERING LICENSE

# State of Florida

Board of Professional Engineers

Attests that

GLE Associates, Inc.

FBPE

is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2015 CA Lic. No:

Audit No: 228201501762 Certificate of Authorization 5483

## FLORIDA GEOLOGY LICENSE

**STATE OF FLORIDA**

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF PROFESSIONAL GEOLOGISTS (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

GLE ASSOCIATES, INC.
4300 W CYPRESS STREET
SUITE 400
TAMPA FL 33607

## ASBESTOS BUSINESS LICENSE

**STATE OF FLORIDA**
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

ASBESTOS LICENSING UNIT (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

GLE ASSOCIATES INC
GREENE, ROBERT BLAIR
4300 WEST CYPRESS STREET
SUITE 400
TAMPA FL 33607

## FLORIDA ASBESTOS CONTRACTOR

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W. CYPRESS ST.
SUITE 400
TAMPA FL 33607

## LEAD LICENSE

United States Environmental Protection Agency

This is to certify that

GLE Associates, Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

Florida

This certification is valid from the date of issuance and expires February 17, 2015

FL-2060-3
Certification #

MAR 2 7 2012
Issued On

Jeanetrine M. Gettle, Chief
Pesticides and Toxic Substances Branch

## GENERAL CONTRACTOR

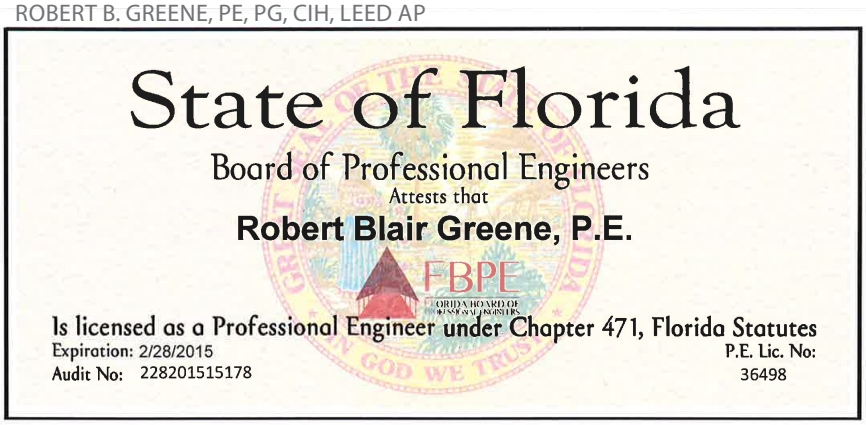
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD (850) 487-1395
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W CYPRESS STREET SUITE 400
TAMPA FL 33607

## PROFESSIONAL ENGINEER

ROBERT B. GREENE, PE, PG, CIH, LEED AP



State of Florida

Board of Professional Engineers

Attests that

**Robert Blair Greene, P.E.**

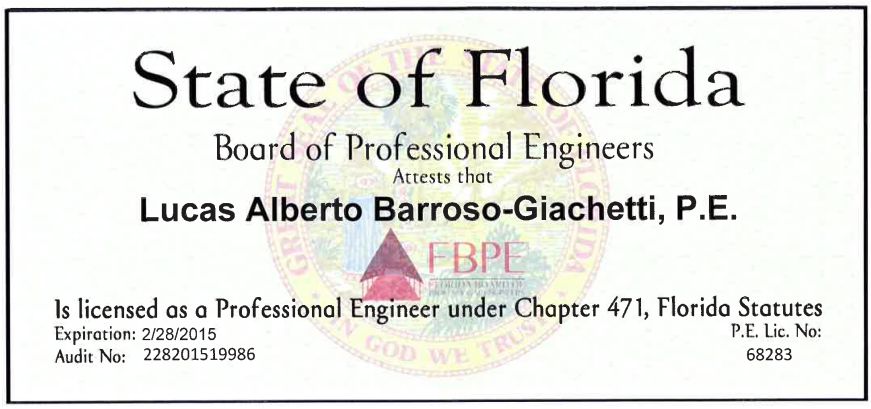
FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015 P.E. Lic. No: 36498

Audit No: 228201515178

LUCAS BARROSO-GIACHETTI, PE, CHMM



State of Florida

Board of Professional Engineers

Attests that

**Lucas Alberto Barroso-Giachetti, P.E.**

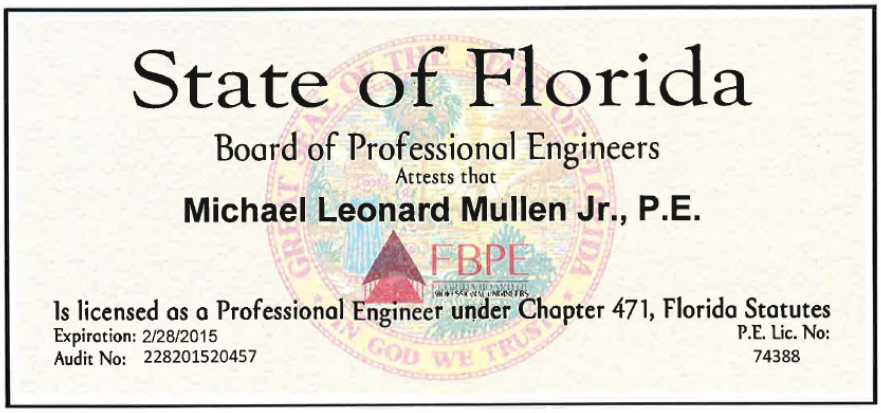
FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015 P.E. Lic. No: 68283

Audit No: 228201519986

MICHAEL LEONARD MULLEN JR., PE



State of Florida

Board of Professional Engineers

Attests that

**Michael Leonard Mullen Jr., P.E.**

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015 P.E. Lic. No: 74388

Audit No: 228201520457

SWC - JAMES BRUSH, PE

# State of Florida

Board of Professional Engineers

Attests that

**James Ronald Brush, P.E.**

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015

Audit No: 228201526283

P.E. Lic. No: 48504

## *PROFESSIONAL GEOLOGIST*

PAULBELYEA, PG

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AC# 6182089

**STATE OF FLORIDA**

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

SEQ# L12070202275

| DATE | BATCH NUMBER | LICENSE NBR |
|---|---|---|
| 07/02/2012 | 128001032 | PG174 |

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

BELYEA, PAUL RICHARD
4300 W CYPRESS STREET
SUITE 400
TAMPA FL 33607

RICK SCOTT
GOVERNOR

KEN LAWSON
SECRETARY

DISPLAY AS REQUIRED BY LAW

## ***AHERA*** *ASBESTOS CONSULTANT*

ROBERT B. GREENE, PE, PG, CIH, LEED AP

DETACH HERE

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AC#663112

**STATE OF FLORIDA**

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
ASBESTOS LICENSING UNIT

SEQ# L12110601892

| DATE | BATCH NUMBER | LICENSE NBR |
|---|---|---|
| 11/06/2012 | 128143450 | EA0000009 |

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

GREENE, ROBERT BLAIR
GLE ASSOCIATES INC
4300 W. CYPRESS STREET
SUITE 400
TAMPA FL 33607

RICK SCOTT
GOVERNOR

KEN LAWSON
SECRETARY

DISPLAY AS REQUIRED BY LAW

## MOLD ASSESOR

RAFE PADGETT, CIAQP, CIEC

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AC# 6201605

STATE OF FLORIDA

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

SEQ# L12071301039

| DATE | BATCH NUMBER | LICENSE NBR |
|---|---|---|
| 07/13/2012 | 128008426 | MRSA54 |

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

PADGETT, RAFE
4300 W CYPRESS ST SUITE 400
TAMPA FL 33607

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

MICHAEL COLLINS, CIH, CIEC

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AC# 6199865

STATE OF FLORIDA

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

SEQ# L12071201120

| DATE | BATCH NUMBER | LICENSE NBR |
|---|---|---|
| 07/12/2012 | 128007734 | MRSA73 |

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

COLLINS, MICHAEL B
4300 W CYPRESS ST STE 400
TAMPA FL 33607

RICK SCOTT
GOVERNOR

DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY

## CERTIFIED INDUSTRIAL HYGIENISTS

ABIH
american board of industrial hygiene

organized to improve the practice of industrial hygiene
proclaims that

*Robert B. Greene*

having met all requirements of
education, experience and examination, and
ongoing maintenance,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number 6773 CP
Awarded: July 21, 1995
Expiration Date: December 1, 2016

Chair ABIH
Executive Director ABIH

ABIH
american board of industrial hygiene

organized to improve the practice of industrial hygiene
proclaims that

*Michael B. Collins*

having met all requirements of
education, experience and examination, and
ongoing maintenance,
is hereby certified in the

COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number 8476 CP
Awarded: July 3, 2003
Expiration Date: December 1, 2018

Chair ABIH
Executive Director ABIH

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/7/2014

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
Lassiter-Ware Insurance of Tampa Bay
4401 West Kennedy Blvd
Suite 200
Tampa FL 33609

CONTACT NAME:
PHONE (A/C, No, Ext): (800)845-8437
FAX (A/C, No): (888)883-8680
E-MAIL ADDRESS:

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Admiral Insurance Company | 24856 |
| INSURER B : Travelers Indemnity Company | 25658 |
| INSURER C : Phoenix Insurance Company | 25623 |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

INSURED
GLE Associates, Inc.
4300 West Cypress Street
Suite 400
Tampa FL 33607

COVERAGES CERTIFICATE NUMBER: 13-14 Cert REVISION NUMBER:

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

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | GENERAL LIABILITY<br>X COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE X OCCUR<br>X CONTRACTORS POLLUTION LIABILITY<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>X POLICY PRO-JECT LOC | | | FEIECC1184901 | 12/31/2013 | 12/31/2014 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 1,000,000<br>$ 300,000<br>$ 5,000<br>$ 1,000,000<br>$ 2,000,000<br>$ 2,000,000<br>$ |
| B | AUTOMOBILE LIABILITY<br>X ANY AUTO<br>ALL OWNED AUTOS<br>SCHEDULED AUTOS<br>X HIRED AUTOS<br>X NON-OWNED AUTOS | | | BA583M741013GRP | 12/31/2013 | 12/31/2014 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)<br>PIP-Basic | $ 1,000,000<br>$<br>$<br>$<br>$ |
| A | UMBRELLA LIAB X OCCUR<br>X EXCESS LIAB CLAIMS-MADE<br>DED X RETENTION $ 0 | | | FEIEXS1185001 | 12/31/2013 | 12/31/2014 | EACH OCCURRENCE<br>AGGREGATE | $ 5,000,000<br>$ 5,000,000<br>$ |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N / A | | XNUB3628T63513 | 12/31/2013 | 12/31/2014 | X WC STATU-TORY LIMITS OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | <br>$ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |
| A | PROFESSIONAL LIAB LIMITS INCL WITH GENERAL LIAB | | | FEIECC1184901<br>CLAIMS MADE FORM | 12/31/2013 | 12/31/2014 | EACH CLAIM<br>AGGREGATE | $1,000,000<br>$2,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
City of Key West, Florida, all departments, agencies, boards, contractor and commissions, its officers, its agents, servants, representatives, employees, and affiliates are additional insureds under the terms and conditions of the General Liability & Auto Liability policies with respect to work performed by the named insured as required by written contract. The General Liability is primary and non-contributory when required by written contract. The General Liability, Auto Liability & Workers Compensation policies contain a Waiver of Subrogation in favor of the additional insureds providing the contract is executed prior to any loss as required by written contract. The terms & conditions of the General Liability policy

CERTIFICATE HOLDER

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

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

P Schmaltz/JOANR


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## COMMENTS/REMARKS

include an endorsement providing a 30 day Notice of Cancellation by the carrier to the certificate holder as required by written contract.


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TRAVELERS

POLICY NUMBER: BA-583M7410-13-GRP
EFFECTIVE DATE: 12-31-13
ISSUE DATE: 11-05-13

LISTING OF FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

THIS LISTING SHOWS THE NUMBER OF FORMS, SCHEDULES AND ENDORSEMENTS BY LINE OF BUSINESS.

| | |
|---|---|
| IL T0 02 11 89 | COMMON POLICY DECLARATIONS |
| IL T8 01 10 93 | FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS |
| CA F1 53 05 11 | COMMON POLICY CONDITIONS - FLORIDA |

COMMERCIAL AUTOMOBILE

| | |
|---|---|
| CA T0 01 02 07 | BUSINESS AUTO COV PART ITEMS 1, 2 |
| CA T0 02 11 06 | BUSINESS AUTO COV PART DEC- ITEM 3 |
| CA T0 03 02 07 | BUSINESS AUTO COV PART ITEMS 4, 5 |
| CA T0 30 11 06 | BUSINESS AUTO/TRUCK COV PART-SUPPL SCHD |
| CA T0 31 11 07 | TABLE OF CONTENTS-BUSINESS AUTO COV FORM |
| CA 00 01 03 06 | BUSINESS AUTO POLICY |
| CA T4 00 01 04 | AMENDATORY ENDORSEMENT |
| CA 01 28 03 09 | FLORIDA CHANGES |
| CA 21 72 10 09 | FL UM MOTORIST COVERAGE - NONSTACKED |
| CA 22 10 01 13 | FLORIDA PERSONAL INJURY PROTECTION |
| CA 99 03 03 06 | AUTO MED PAY COVERAGE |
| CA T3 40 08 08 | BLANKET WAIVER OF SUBROGATION |
| CA T4 37 08 08 | BLANKET ADDITIONAL INSURED |
| CA 02 67 11 12 | FL CHANGES - CANCELLATION AND NONRENEWAL |
| CA T3 04 01 87 | AMENDED TITLE-AUTO COVERAGE PARTS |
| PN CB 00 07 12 | PHN AND ENDT-USE OF MEDICAL FEE SCH-PIP |

INTERLINE ENDORSEMENTS

| | |
|---|---|
| IL 00 21 09 08 | NUCLEAR ENERGY LIAB EXCL END-BROAD FORM |
| IL T0 10 12 86 | LENDERS CERTIFICATE OF INSURANCE-FORM A |

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# BLANKET WAIVER OF SUBROGATION

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
GARAGE COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

Paragraph **5. Transfer of Rights Of Recovery Against Others To Us** of the CONDITIONS section is replaced by the following:

**5. Transfer Of Rights Of Recovery Against Others To Us**

We waive any right of recovery we may have against any person or organization to the extent required of you by a written contract executed prior to any "accident" or "loss", provided that the "accident" or "loss" arises out of the operations contemplated by such contract. The waiver applies only to the person or organization designated in such contract.


© 2008 The Travelers Companies, Inc.

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# BLANKET ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM
MOTOR CARRIER COVERAGE FORM
TRUCKERS COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

The following is added to the **Section II – Liability Coverage,** Paragraph **A.1. Who Is An Insured** Provision:

Any person or organization that you are required to include as additional insured on the Coverage Form in a written contract or agreement that is signed and executed by you before the "bodily injury" or "property damage" occurs and that is in effect during the policy period is an "insured" for Liability Coverage, but only for damages to which this insurance applies and only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Section II.


© 2008 The Travelers Companies, Inc.

# Additional Insured – Owners, Lessees or Contractors – Scheduled Person or Organization

This endorsement, effective 12/31/2013, attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

In consideration of an additional premium of $Applied, this endorsement modifies insurance provided under the following:

## COMMERCIAL GENERAL LIABILITY COVERAGE PART

### SCHEDULE

| Name Of Additional Insured Person(s) Or Organization(s): | Location(s) Of Covered Operations |
|---|---|
| Any person(s) or organization(s) whom the Named Insured agrees, in a written contract, to name as an additional insured. However, this status exists only for the project specified in that contract. | Those project locations where this endorsement is required by contract. |
| Information required to complete this Schedule, if not shown above, will be shown in the Declarations. | |

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:
   1. Your acts or omissions; or
   2. The acts or omissions of those acting on your behalf;
      in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:
   This insurance does not apply to "bodily injury" or "property damage" occurring after:
   1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
   2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.


© ISO Properties, Inc., 2004

# Additional Insured – Owners, Lessees or Contractors – Completed Operations

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

In consideration of an additional premium of $Applied, this endorsement modifies insurance provided under the following:

## COMMERCIAL GENERAL LIABILITY COVERAGE PART

### SCHEDULE

| Name Of Additional Insured Person(s) Or Organization(s): | Location And Description Of Completed Operations |
|---|---|
| Any person(s) or organization(s) whom the Named Insured agrees, in a written contract, to name as an additional insured. However, this status exists only for the project specified in that contract. | Those project locations where this endorsement is required by contract. |
| Information required to complete this Schedule, if not shown above, will be shown in the Declarations. | |

**Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".


© ISO Properties, Inc., 2004

# Automatic Waiver of Subrogation Endorsement

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

This endorsement modifies insurance provided under the following:

**COMMERCIAL GENERAL LIABILITY COVERAGE PART**
**CONTRACTORS POLLUTION LIABILITY COVERAGE PART**

SCHEDULE

Name of Person or Organization:

Any person(s) or organization(s) to whom the *Named Insured* agrees, in a written contract, to provide a waiver of subrogation. However, this status exists only for the project specified in that contract.

The Company waives any right of recovery it may have against the person or organization shown in the above Schedule because of payments the Company makes for injury or damage arising out of the *insured's* work done under a contract with that person or organization. The waiver applies only to the person or organization in the above Schedule.

Under no circumstances shall this endorsement act to extend the policy period, change the scope of coverage or increase the Aggregate Limits of Insurance shown in the Declarations.

# Automatic Primary and Non-Contributory Insurance Endorsement
## Designated Work Or Project(s)

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-00. This endorsement changes the Policy. Please read it carefully.

SCHEDULE

| Name of Person or Organization: |
| --- |
| Any person(s) or organization(s) whom the *Named Insured* agrees, in a written contract, to provide Primary and/or Non-contributory status of this insurance. However, this status exists only for the project specified in that contract. |

In consideration of an additional premium of $Applied and notwithstanding anything contained in this policy to the contrary, it is hereby agreed that this policy shall be considered primary to any similar insurance held by third parties in respect to work performed by you under any written contractual agreement with such third party. It is further agreed that any other insurance which the person(s) or organization(s) named in the schedule may have is excess and non-contributory to this insurance.

# Amendment of Cancellation Notice Endorsement

This endorsement, effective 12/31/2013 attaches to and forms a part of Policy Number FEI-ECC-11849-01. This endorsement changes the Policy. Please read it carefully.

In consideration of an additional premium of $Applied, and notwithstanding the appropriate provision of this policy, in the event cancellation of this policy is instigated by the Company for any reason except nonpayment of premium, the Company will provide 30 days advance notice of such cancellation to the following:

"Any person(s) or organization(s) whom the Named Insured agrees, in a written contract, to advance notice of such cancellation"

TRAVELERS
ONE TOWER SQUARE
HARTFORD, CT 06183

WORKERS COMPENSATION
AND
EMPLOYERS LIABILITY POLICY

ENDORSEMENT WC 00 03 13 (00)-01

POLICY NUMBER: (XNUB-3628T63-5-13)

# WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

This agreement shall not operate directly or indirectly to benefit any one not named in the Schedule.

## SCHEDULE

**DESIGNATED PERSON:**

**DESIGNATED ORGANIZATION:**

ANY PERSON OR ORGANIZATION FOR WHICH THE INSURED HAS AGREED BY WRITTEN CONTRACT EXECUTED PRIOR TO LOSS TO FURNISH THIS WAIVER.

DATE OF ISSUE: 11-05-13 ST ASSIGN:

LassiterWare

i³Risk IDENTIFY · INNOVATE · IMPLEMENT

July 8, 2014

Sandra Walters Consultants, Inc.
6410 5th Street, Suite 3
Key West, FL 33040

Re: Insurance Requirements for City of Key West

Dear Sandy:

Please find attached Certificate of Insurance and required Endorsements for the City of Key West.

We are currently negotiating with the underwriters to increase the Fire Damage / Legal Liability from $50,000 to $300,000 to satisfy the Insurance Requirements shown in RFQ 14-0004. Fire Damage / Legal Liability is the coverage for Property Damage to any one premises while rented to you.

We will guarantee to the City of Key West that upon award of contract this requirement will immediately be satisfied and all insurance coverages will be in compliance with the Insurance Requirements outlined in the RFQ.

All of the remaining Insurance Requirements have been complied with as evidenced by the attached.

Should any questions arise, please do not hesitate to contact me.

Sincerely,

P. Schmaltz

Patricia Schmaltz
Manager, Environmental Practice Group

ACORD®

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/7/2014

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
Lassiter-Ware Insurance of Tampa Bay
4401 West Kennedy Blvd
Suite 200
Tampa FL 33609

CONTACT NAME: Joan Randolph
PHONE (A/C, No, Ext): (800) 845-8437 FAX (A/C, No): (888) 883-8680
E-MAIL ADDRESS: JoanR@lassiter-ware.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A: Homeland Insurance Company of | 34452 |
| INSURER B: CastlePoint Florida Insurance | 13599 |
| INSURER C: | |
| INSURER D: | |
| INSURER E: | |
| INSURER F: | |

INSURED
Sandra Walters Consultants, Inc.
6410 5th Street
Suite 3
Key West FL 33040

COVERAGES CERTIFICATE NUMBER: 14-15 Cert REVISION NUMBER:

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

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | GENERAL LIABILITY<br>X COMMERCIAL GENERAL LIABILITY<br>CLAIMS-MADE X OCCUR<br>X CONTRACTORS POLLUTION<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>X POLICY PRO-JECT LOC | X | Y | 7930015370000 | 8/28/2013 | 8/28/2014 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 1,000,000<br>$ 50,000<br>$ 5,000<br>$ 1,000,000<br>$ 2,000,000<br>$ 2,000,000 |
| A | AUTOMOBILE LIABILITY<br>ANY AUTO<br>ALL OWNED AUTOS<br>X HIRED AUTOS<br>SCHEDULED AUTOS<br>X NON-OWNED AUTOS | X | Y | 7930015370000 | 8/28/2013 | 8/28/2014 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident) | $<br>$<br>$<br>$ |
| | UMBRELLA LIAB OCCUR<br>EXCESS LIAB CLAIMS-MADE<br>DED RETENTION $ | | Y | | | | EACH OCCURRENCE<br>AGGREGATE | $<br>$ |
| B | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | N/A | | WCC0038295 | 5/10/2014 | 5/10/2015 | X WC STATU-TORY LIMITS OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | $ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |
| A | PROFESSIONAL LIAB LIMITS INCL WITH GENERAL LIAB | | | 7930015370000 CLAIMS MADE | 8/28/2013 | 8/28/2014 | EACH CLAIM<br>AGGREGATE | $1,000,000<br>$2,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
RE: RFQ #14-004. The City of Key West, Florida, all departments, agencies, boards, contractor and commissions, its officers, its agents, servants, representatives, employees, and affiliates are additional insureds under the terms and conditions of the General/Auto Liability policy respect to work performed including Products/Completed Operations by the named insured as required by written contract. The General Liability is primary and non-contributory when required by written contract. The General/Auto Liability & Workers Compensation policies contain a Waiver of Subrogation in favor of the additional insureds providing the contract is executed prior to any loss as required by written contract. The terms

CERTIFICATE HOLDER

City of Key West
1340 Flagler Ave.
Key West, FL 33040

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

P Schmaltz/JOANR Patricia Jane Schmaltz


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## COMMENTS/REMARKS

& conditions of the General/Auto Liability policy include an endorsement providing a 30 day Notice of Cancellation by the carrier to the certificate holder as required by written contract.


COPYRIGHT 2000, AMS SERVICES INC.

Policy Number: 793-00-15-37-0000

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION – FORM I

This endorsement only modifies coverage provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS ENVIRONMENTAL LIABILITY COVERAGE PART

**SCHEDULE**

| **Name of Person or Organization:** |
| --- |
| Any person or organization for which the Named Insured has agreed to provide insurance prior to loss as provided by this policy but only to the scope of insurance agreed to by the Named Insured. |

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

A. **SECTION II – WHO IS AN INSURED** is amended to include as an insured the person or organization shown in the SCHEDULE above, but only with respect to liability arising out of your ongoing operations performed for that insured.

B. With respect to the insurance afforded to these additional insureds, the following exclusion is added:

2. **Exclusions**

This insurance does not apply to **bodily injury, property damage** or **environmental damage** occurring after:

(a) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or

(b) That portion of **your work** out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

All other terms and conditions remain the same.



Includes copyrighted material of Insurance Services Office, Inc.
Copyright 2011, OneBeacon Insurance Group LLC
E-INSURED

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

# PRIMARY AND NON-CONTRIBUTORY ENDORSEMENT

This endorsement modifies coverage provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS ENVIRONMENTAL LIABILITY COVERAGE PART

**SECTION IV - CONDITIONS, 8. Other Insurance**, is amended by adding the following paragraph:

This insurance will be considered primary to, and non-contributory with any other insurance issued directly to a person or organization added as an additional insured under this policy, only if you specifically agree, in a written contract or agreement, that this insurance must be primary to, and non-contributory with, such other insurance.

All other terms and conditions remain the same.



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Copyright 2011, OneBeacon Insurance Group LLC
E-INSURED

Policy Number: 793-00-15-37-0000

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement only modifies coverage provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
CONTRACTORS ENVIRONMENTAL LIABILITY COVERAGE PART

**SCHEDULE**

| **Name Of Person Or Organization:** |
| --- |
| Any person or organization for which the Named Insured has agreed to provide insurance prior to loss as provided by this policy but only to the scope of insurance agreed to by the Named Insured. |

**SECTION IV – CONDITIONS, 13. Transfer of Rights of Recovery Against Others To Us** is deleted and replaced with the following:

**13. Transfer of Rights of Recovery Against Others To Us**

If the insured has rights to recover all or part of any payment we have made under this policy, those rights are transferred to us. The insured must do nothing to impair them. At our request, the insured will bring **suit** or transfer those rights to us and help us enforce them. Any recovery will be paid first to us until all amounts we have spent on a **claim** or **suit** have been reimbursed. The insured expressly waives the right to be made whole by any such recovery.

We waive any right of recovery we may have against the person or organization shown in the SCHEDULE above because of payments we make for injury or damage arising out of your ongoing operations or **your work** done under a contract with that person or organization and included in the **products-completed operations hazard**. This waiver applies only to the person or organization shown in the SCHEDULE above.

All other terms and conditions remain the same.



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E-INSURED

# Policy Change Request

Lassiter-Ware Insurance of Tampa Bay
4401 West Kennedy Blvd
Suite 200
Tampa FL 33609

7/7/2014
C14070724025
First Request

**COMPANY**

American Intermediaries, Inc.
Homeland Insurance Company of New York
4401 W. Kennedy Blvd.
Suite 210
Tampa FL 33609

**INSURED**

Sandra Walters Consultants, Inc.
6410 5th Street
Suite 3
Key West FL 33040

**REGARDING**

add Blanket AI Comp Ops/30DNOC

**POLICY NUMBER**

7930015370000

**EFFECTIVE DATE OF CHANGE**

7/7/2014

**POLICY PERIOD**

8/28/2013 - 8/28/2014

**DESCRIPTION**

Please add blanket additional insured products/completed operations and a 30DNOC for the following:

City of Key West
1340 Flagler Ave.
Key West, FL 33040

**RECIPIENT**

ATTN:

FROM: Joan Randolph
Phone: (800)845-8437 Fax: (888)883-8680
JoanR@lassiter-ware.com

Lassiter-Ware Insurance of Tampa Bay

**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 addended 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 Jennifer Pruen

GLE Associates, Inc

Name of Business

**ANTI-KICKBACK AFFIDAVIT**

STATE OF FLORIDA )
: SS
COUNTY OF Hillsborough )

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: _____

Sworn and subscribed before me this

7th Day of July, 2014.

Ginny C. Lemen

NOTARY PUBLIC, State of Florida at Large, by Robert B. Greene who is personally known to me.

My Commission Expires: 11/5/16

Notary Public State of Florida
Ginny C Lemen
My Commission EE 846642
Expires 11/05/2016

**EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT**

STATE OF FLORIDA )
: SS
COUNTY OF Hillsborough )

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

By: _____

Sworn and subscribed before me this

7th Day of July, 2014. By Robert B. Greene, who is personally known to me.

Ginny C. Lemen
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 11/5/16

Notary Public State of Florida
Ginny C Lemen
My Commission EE 846642
Expires 11/05/2016

**City Ordinance Sec. 2-799**
**Requirements for City Contractors to Provide Equal Benefits for Domestic Partners**

(a) Definitions. For purposes of this section only, the following definitions shall apply:

(1) ***Benefits*** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.

(2) ***Bid*** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.

(3) ***Cash equivalent*** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.

b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.

c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.

(4) ***Contract*** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.

(5) ***Contractor*** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.

(6) ***Covered contract*** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars ($20,000).

(7) ***Domestic partner*** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state

or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.

(8) ***Equal benefits*** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.

(b) Equal benefits requirements.

(1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.

(2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.

(3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.

(4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.

(5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.

(6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or

his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.

(7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.

(c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:

(1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.

(2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.

(3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.

(4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.

(d) Enforcement. If the contractor fails to comply with the provisions of this section:

(1) The failure to comply may be deemed to be a material breach of the covered contract; or

(2) The city may terminate the covered contract; or

(3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or

(4) The city may also pursue any and all other remedies at law or in equity for any breach;

(5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."

(e) Exceptions and waivers.

The provisions of this section shall not apply where:

(1) The contractor does not provide benefits to employees' spouses.

(2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.

(3) The contractor is a governmental entity.

(4) The sale or lease of city property.

(5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").

(6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:

a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.

(7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:

a. The covered contract is necessary to respond to an emergency.
b. Where only one bid response is received.
c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.

(f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.

(g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.

**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. RFQ 14-004 for Environmental Engineering Services

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

whose business address is 4300 W. Cypress Street, Suite 400, Tampa, FL 33607 and (if applicable) its Federal Employer Identification Number (FEIN) is 59-2975164 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.)

3. My name is Robert B. Greene and my relationship to
(Please print name of individual signing)

the entity named above is President.

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

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

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

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

   2. An entity under the control of any natural person who is active in the management of t 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.)

_X_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.)

_____
(Signature)

_____
(Date)

STATE OF Florida

COUNTY OF Hillsborough

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Robert B. Greene who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 7th day of July, 2014.

My commission expires: 11/5/16
NOTARY PUBLIC

Ginny C. Lemen

Notary Public State of Florida
Ginny C Lemen
My Commission EE 846642
Expires 11/05/2016

**CONE OF SILENCE AFFIDAVIT**

STATE OF Florida )
: SS
COUNTY OF Hillsborough )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of GLE Associates, Inc. have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).

BY: Robert B Greene

Sworn and subscribed before me this

8th Day of July, 2014. By Robert B. Greene, personally known to me.

Ginny C. Lemen

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 11/5/16

Notary Public State of Florida
Ginny C Lemen
My Commission EE 846642
Expires 11/05/2016

**Sec. 2-773. Cone of Silence**

(a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Completive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.

2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.

3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.

4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.

5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;

2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;

3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and

4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.

(c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:

1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;

2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.

(A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.

(B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.

3) Oral communications at duly noticed pre-bid conferences;

4) Oral presentations before publically noticed evaluation and/or selection committees;

5) Contract discussions during any duly noticed public meeting;

6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;

7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or

8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.

2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.

3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.

3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.

4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.

5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.