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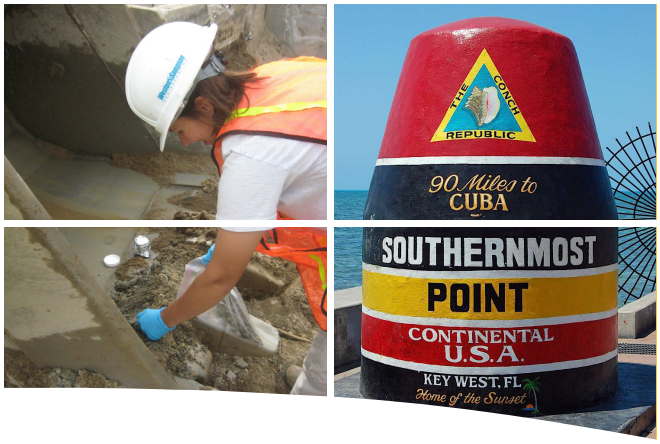
westonandsampson.com

Weston&Sampson®
environmental/infrastructure consultants

4210 Metro Parkway, Suite 250, Fort Myers, FL 33916
tel: 239-437-4601 fax: 239-437-4636

qualifications



City of
Key West
FLORIDA

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

July 2014

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4210 Metro Parkway, Suite 250
Fort Myers, FL 33916
tel: 239-437-4601 fax: 239-437-4636
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planning, permitting, design, construction, operation, maintenance

Weston&Sampson®

July 9, 2014

Ms. Cheri Smith, City Clerk
City of Key West
3126 Flagler Avenue
Key West, Florida 33040

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

Dear Ms. Smith:

Established in 1899, Weston & Sampson provides innovative, cost-effective, and viable solutions to environmental engineering challenges for both public and private clients. **Prequalified by the Florida Department of Environmental Protection (FDEP) to provide environmental consulting services**, Weston & Sampson provides multi-site, on-call environmental assessment and compliance services to public agencies, counties, and municipalities along the Eastern Seaboard, including our current project as an environmental on-call consultant for the City of Fort Myers. Our team is confident that our experience providing similar services throughout Southwest Florida and along the Gulf Coast, our existing relationships with professionals from FDEP, our broad service offerings, and our experience at complicated environmental and coastal/waterfront sites will enable us to complete your assignments on time and within budget with the level of expertise you expect.

With 19 offices along the east coast, including our Florida office in Fort Myers, our corporate resources include nearly 400 professionals and support personnel. According to the *Engineering News Record*, Weston & Sampson is among the **top 500 design firms in the United States** (ranked 161 in 2013) and among the **top 200 environmental firms in the United States** (ranked 103 in 2013).

As stewards of our communities, it is our civic responsibility to take an active role in assisting the City of Key West and its residents in addressing the environmental issues that impact all of us. Our firm works under the premise that future generations will have to live with the results of environmental decisions that are made today.

Specific to your project, we offer the following directly relevant qualifications/experience:

- **Commitment to the City of Key West and Southwest Florida:** Our goal as an environmental consultant is to become an integral part of the communities in which we work. Weston & Sampson will be there to assist the City of Key West, not only in responding to day-to-day issues, but also in providing services for the long-term implementation of the city's programs. Together with the City of Key West, we can work towards remediation and redevelopment in a manner that will best serve the city as a whole and its residents for years to come.
- **Hands-on experience dealing with environmental issues:** Our clients deserve a consultant with extensive experience working with challenging environmental issues, not one who has to learn their way around while wasting both time and money. **Weston & Sampson staff has managed and coordinated more than 1,500 site assessments and hundreds of remediation projects for state and federal agencies, municipalities, and private sector clients.**
- **Specific expertise:** Weston & Sampson has specific expertise in handling critical environmental issues, including polychlorinated biphenyls (PCBs), demolition, RCRA and f-listed wastes, underground storage tanks (USTs), and indoor air quality issues.

- **Extensive waterfront experience:** We have included **Bourne Consulting Engineering**, specialists in seawall construction and waterfront permitting, on our project team to further enhance our in-house qualifications and provide high-quality coastal/waterfront engineering services. Weston & Sampson has worked collaboratively with Bourne Consulting Engineering on a number of successful federally funded waterfront assessment projects, and will capitalize on this valuable professional history for the benefit of the city.
- **Timely, as-needed support:** Weston & Sampson's Regional Manager, **Mr. Jeffrey Wilson, PE**, a resident of the City of Fort Myers, has consistently provided high-quality engineering services to communities throughout Southwest Florida since 1989. Our Fort Myers office will manage all aspects of the work assignments for the City of Key West with as-needed support from our other regional offices. With this combination of regional presence and depth of technical support professionals, Weston & Sampson can offer the resources necessary to get your job done right.
- **Qualified environmental professionals:** The following senior, key personnel will manage our environmental efforts on behalf of the city:
  - **Jeffrey Wilson, PE – Regional Office Manager:** Jeff has been involved in the management of large public works projects in Florida for 25 years. A Florida registered Professional Engineer with more than 30 years of experience; Jeff will be responsible for overall contract management and will lead project management tasks.
  - **Stephen Wiehe, PG – Environmental Engineering Project Manager**: Steve, a Florida licensed Professional Geologist, has more than 20 years of diverse experience in the environmental and engineering geoscience fields with expertise in a wide range of environmental, consulting, and construction services. With a previous employer, Steve gained valuable experience preparing field reports, letters, and documents for environmental regulators on behalf of clients in and around Southwest Florida.
  - **George Naslas, PG, LSP – Environmental Services Practice Leader:** A Professional Geologist and Licensed Site Professional (LSP), George will provide technical guidance for each of the assignments and will ensure that the resources of the firm, including the appropriate technical experts, are assigned to the City of Key West to complete each assignment. He has extensive experience with and an in-depth knowledge of federal regulations regarding hazardous and special wastes, and he has provided services on a range of projects similar to yours. With over 25 years of professional experience, George has completed more than 150 Phase I, II, and III assessments.

Weston & Sampson is ready to offer the City of Key West cost-effective solutions to meet your environmental engineering needs. We look forward to working with you and demonstrating why we have been in business for over 115 years. Please contact me at (239) 437-4601 or wilsonj@wseinc.com if you have any questions or would like to talk further.

Our sincere wishes for a successful project,
WESTON & SAMPSON

Jeffrey A. Wilson, PE
Florida Program Manager

George D. Naslas, PG, LSP
Environmental Practice Leader

Note: As evidence of the authority of the above signatories to bind the firm, we have included our firm's Certificate of Vote immediately following this letter.

Five Centennial Drive
Peabody, MA 01960-7985
tel: 978-532-1900 fax: 978-977-0100
www.westonandsampson.com

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Clerk's Certificate of Vote

The undersigned, Clerk of Weston & Sampson Engineers, Inc. hereby certifies that, at a meeting duly called in accordance with the by-laws, the Board of Directors unanimously passed the following resolution on December 18, 2013.

VOTED: To authorize

Francis W. Yanuskiewicz	Robert A. Goober	David M. Elmer
Peter M. Smith	George D. Naslas	Blake A. Martin
Patrick J. Connelly	Eugene R. Bolinger	Frank M. Ricciardi
Michael J. Scipione	Donald G. Gallucci	Robert Horner
Bruce W. Adams	Kent M. Nichols	
Barbara K. Cook	Christopher B. Wester	
Prasanta K. Bhunia	John A. Bocchino	

acting individually, to execute and deliver on behalf of the Corporation, contracts for Professional Services which are in the ordinary course of the Corporation's business, not including contracts exceeding $1,000,000, during the fiscal year 2014.

VOTED: To authorize

Richard J. Messer	Christopher M. Perkins
Jeffery F. Budrow	Kenneth J. Bisceglio
Jeffrey A. Wilson	Jack J. Wright

acting individually, to execute and deliver on behalf of the Corporation, contracts for Professional Services which are in the ordinary course of the Corporation's business, not including contracts exceeding $500,000, during the fiscal year 2014.

The undersigned further certifies that the above vote has not been amended or rescinded and remains in full force and effect as of the date set forth below.

Robert A. Goober, Clerk

July 9, 2014
Date

COMPANY PROFILE

INTRODUCTION

When Robert Spurr Weston established his consulting practice in 1899, little did he know that he began a tradition of service excellence that would continue for more than one hundred years. Throughout our history, Weston & Sampson has provided our clients with innovative and cost-efficient engineering solutions to their environmental and infrastructure problems. Today, with offices throughout the Northeast and along the Eastern Seaboard, and with a diverse, companywide staff of nearly 400 professionals and technicians, Weston & Sampson is prepared to undertake the complex and demanding civil engineering challenges of the new century. It is this breadth and depth of experience that we offer the City of Key West.

Weston & Sampson is a privately held, employee owned corporation. For over 115 years, we have been providing municipalities, public agencies, and private sector clients with cost-effective and innovative solutions to their environmental and infrastructure challenges. Ranked among the top 200 design firms and top 200 environmental firms in the United States, according to the Engineering News Record**,** Weston & Sampson is proud of our steady record of growth and the ability of our project management staff to understand our client's needs, to develop appropriate solutions and to provide comprehensive engineering services promptly, on time and on budget. Weston & Sampson has also been widely recognized for our excellence in design and engineering by EPA, APA, APWA and ACEC, in further testimony of our performance. All of this has resulted in a company-wide client return rate exceeding 90%.

SERVICE OFFERINGS

To meet the diverse needs of our clients, Weston & Sampson offers full-service capabilities to address the complex challenges of today's projects. Our areas of expertise include:

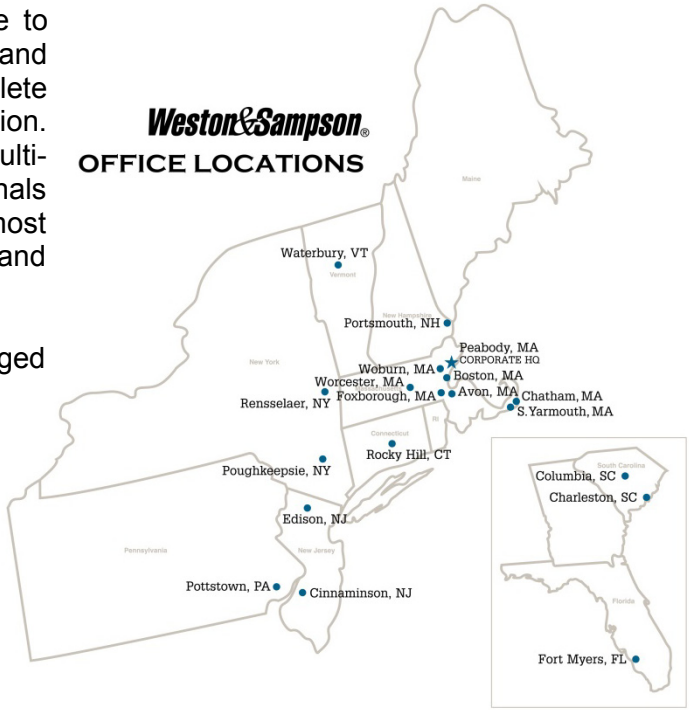
- Environmental Assessment and Remediation
- Environmental Compliance & Permitting
- Wastewater Treatment & Conveyance
- Potable Water Supply & Distribution
- Stormwater & Hydrology & Hydraulics
- Watershed & Stormwater Management
- Transportation Planning & Design
- Bridge & Building Structural Design
- Landscape Architecture and Master Planning
- Geotechnical & Foundation Engineering
- Site/Civil Design & Survey
- Traffic Engineering
- Hazardous Materials Assessment/Demolition Support
- Environmental Auditing
- Solid Waste Planning & Design
- Public Facilities Planning & Design
- GIS and Digital Mapping
- Facility Demolition Design & Oversight
- Construction Inspection & Oversight
- Recreation Facility Design
- Commercial & Residential Land Development
- Energy Conservation & Renewable Energy Systems
- Operation, Maintenance, Repair of Wastewater & Water Systems

COMPANY PROFILE

OFFICE LOCATIONS

Headquartered in Peabody, Massachusetts, Weston & Sampson maintains regional offices in Florida, Connecticut, Maine, New Hampshire, New York, Rhode Island, South Carolina, and Vermont. For more information about our capabilities and the services offered, please refer to our company brochure, found at the end of this section, or visit us online at www.westonandsampson.com.

Our full-time staff in Fort Myers, combined with our support staff in additional offices, makes Weston & Sampson well suited to readily respond to the city's project needs. If required due to schedule or specialized service needs, supplemental project staff and discipline expertise can also be provided by other nearby regional offices. Weston & Sampson's professionals are available to assure technically proficient and prompt service, and to work seamlessly together in order to complete contract assignments to the city's satisfaction. Weston & Sampson's ability to draw from a multi-jurisdictional/multi-disciplinary team of professionals ensures that your project is assigned the most qualified professionals and completed on time and within budget.



Work performed under this contract will be managed from the Fort Myers office of Weston & Sampson.

Regional Office Contact Information:
Mr. Jeffrey Wilson, PE
Regional Office Manager
4210 Metro Parkway, Suite 250
Fort Myers, Florida 33916
T: (239) 437-4601/F: (239) 437-4636

STAFFING RESOURCES

Weston & Sampson is a full-service consulting firm with nearly 400 engineers, geologists, scientists, architects/landscape architects, and designers. We are a recognized leader in providing consulting and engineering services to municipalities, government agencies, and private sector clients throughout the eastern United States.

Throughout our history, Weston & Sampson has exceeded clients' expectations by providing attentive personal service and superior technical quality while adhering to the cost and schedule requirements of each assignment. Our project teams are carefully assembled to meet specific client needs and to ensure project success. Project managers and engineers are selected based on their training, specific technical skill sets, and experience as they apply to the requirements of the individual assignment. Forming the core of the project team, these individuals can draw on our local staff and, if necessary, the staff of our other offices to bring the best staff resources together to the benefit of the project.

COMPANY PROFILE

Communication between project team members and client stakeholders is recognized within our company as a cornerstone of not only a successful project, but a cooperative and trusting relationship. Our local office relies on frequent project status meetings with team members and modern technology for teleconferencing with the client and staff participating from our other offices. This ensures that the goals and expectations of the client and the ideas and thoughts of the team are disseminated and understood by all parties involved.

Weston & Sampson maintains a staff of experienced environmental, engineering, architectural and construction personnel that includes more than 20 Florida licensed professionals (engineers, geologists, architects, landscape architects, mechanical contractors, construction contractors/inspectors). Company-wide, our licensed professional staff includes:

LICENSED PROFESSIONALS

- 3 Licensed Environmental Professionals
- 5 Licensed Site Professionals
- 72 Professional Engineers
- 7 Professional Geologists
- 2 Certified Geologists
- 7 LEED® Professionals
- 7 Registered Landscape Architects
- 10 Registered Architects
- 4 Professional Land Surveyors
- 1 Registered Land Surveyor
- 5 Cross Connection Control Surveyors
- 15 Water Treatment Plant Operators
- 1 Certified Planner
- 42 Wastewater Treatment Plant Operators

Weston&Sampson®

environmental/infrastructure consultants

Planning, Design, Permitting, Construction Administration, Design/Build Services, and Infrastructure Management

Drinking Water

Supply, Treatment, & Distribution

- New source approvals
- Well development
- Treatment plant improvements and new facilities
- Pilot studies
- Distribution system master plans and mapping
- Water storage tanks
- Booster stations
- Rate and meter replacement studies
- Cleaning and lining
- Unidirectional flushing programs

Wastewater

Planning, Collection, Treatment & Rehabilitation

- Treatment plant improvements and new facilities
- Pump stations
- Infiltration/Inflow (I/I) & Sewer System Evaluation Survey (SSES) programs
- Innovative and alternative systems
- Needs assessments and decentralized planning
- Hydrogeologic investigations
- New sewer and septic systems
- Supervisory Control and Data Acquisition (SCADA)
- Betterment assessment and user fee support

Hazardous Waste

Assessment & Remediation

- Site assessment
- Remediation study, design, and construction services
- Risk characterization
- Groundwater, fate, and transport modeling
- Bench and pilot studies
- Underground and aboveground storage tank (UST/AST) closures, design, and construction services
- Brownfields assessment, remediation, and redevelopment
- Building demolition
- Environmental management systems
- Environmental compliance audits
- Spill Prevention Control and Countermeasure (SPCC) plans

Renewable Energy

Wind, Solar, Geothermal & Biogas

- Feasibility analysis
- Permitting
- Project development and procurement
- Engineering and design
- Construction oversight

Massachusetts (HQ)
Connecticut
New Hampshire
Vermont
New York
New Jersey
Pennsylvania
South Carolina
Florida

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environmental/infrastructure consultants

Planning, Design, Permitting, Construction Administration, Design/Build Services, and Infrastructure Management

Transportation

Highway Engineering

- Traffic planning and engineering
- Corridor and roadway improvements
- Signals and intersections
- Sidewalks and parking lots
- Causeways
- Streetscapes
- Bike paths including rail-trail designs
- Community facilitation and public participation

Landscape Architecture

Visioning & Implementation

- Recreation facilities (parks, playgrounds, ball fields/stadiums, skate parks, wet spray play areas)
- Streetscapes (including context sensitive designs)
- Urban designs (city/town commons, plazas, and parks)
- Open space projects and nature trails
- Historic restoration
- Waterfronts and riverwalks
- College/university facilities
- Monuments/memorials
- Public participation

Bridges & Culverts

- Condition inspection and evaluation
- Load rating and structural integrity assessment
- Rehabilitation, replacement and remedial repair design
- New bridge design and construction
- Bridge type and cost benefit studies
- Illumination and signage supports
- Permit and funding applications

Survey

- Property boundary surveys
- Planimetric, topographic, bathymetric surveys
- Aerial photogrammetry, mapping, and ground control surveys
- Land record research
- Property pinning and monumentation
- "As-built" record drawing surveys
- Construction stakeout and quantity verification
- Easement and taking maps

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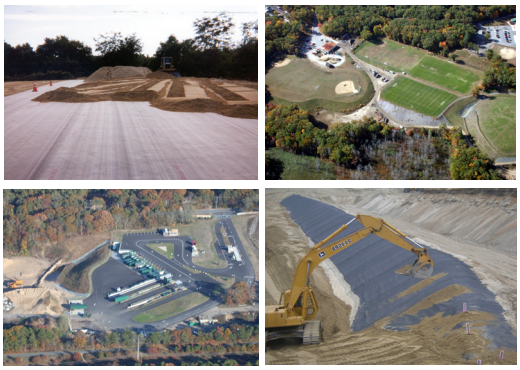
Stormwater

Water Quality & Flood Control

- Analysis and modeling
- Drainage system hydrology and hydraulics
- Illicit connection detection and removal
- Drainage, culvert, and channel improvements
- Best Management Practices (BMPs) and treatment systems
- Bylaws and stormwater utilities
- Environmental Protection Agency (EPA) Phase 2 compliance



Solid Waste

Engineering & Management

- Landfill closures, expansions, and post closure re-use
- Environmental monitoring (surface water, groundwater, sediment, soil, and gas sampling)
- Risk assessment
- Beneficial re-use (parks, fields, playgrounds, buildings, etc.)
- Transfer stations and recycling and composting facilities
- Construction and demolition (C&D) facilities
- Solid waste management studies

Geotechnical & Structural

Specializing in Dams

- Dam inspection, assessment, new design, and rehabilitation
- Building foundations
- Trenchless technologies
- Retaining walls and abutments
- Excavation support and cofferdam design
- Footings, pilings, and sheeting designs

Surface & Groundwater

Water Resource Protection

- Watershed management studies
- Nutrient loading studies
- Hydrogeological assessments
- Wetland protection and replication
- Total Maximum Daily Loads (TMDLs)

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environmental/infrastructure consultants

Planning, Design, Permitting, Construction Administration, Design/Build Services, and Infrastructure Management

Site/Civil Development

Low Impact Development (LID), Smart Growth, & Cluster Designs

- Planning and pre-development support
- Conceptual design
- Land use planning
- Permitting
- Natural resource protection
- Roadway, utilities, and drainage
- Design/Build/Operate for water and wastewater

Facility Design

Specializing in Municipal Public Works Facilities

- Department of Public Works (DPW) buildings (full-scale planning, design, and construction services)
- Maintenance facilities, vehicle, and equipment storage
- Salt sheds
- Construction sequencing and planning
- New buildings and building rehabilitation

Geographic Information Systems (GIS) & Mapping

Small-Scale to City/Town-Wide Programs & Support

- Needs assessments
- Pilot programs
- Parcels, utilities, property lines, wetlands, outfalls, database links
- Support, advise, training, and data management
- Global Positioning System (GPS) mapping
- Internet or intranet web-based systems

Construction Services

Supervision & Oversight

- Daily inspection for contract/specification compliance
- On-call inspection services
- Payment requisition review
- Coordination of material testing services
- Record keeping and reporting
- Construction claim review
- Field consultations
- Shop drawing review

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PROJECT TEAM

Weston & Sampson has assembled a team of professionals with extensive site assessment and remediation experience directly related to the services required by the City of Key West. Our team includes environmental professionals and senior, key personnel who will manage our environmental efforts on behalf of the city as well as field and/or project-level scientists and engineers. Our experienced professionals have strong backgrounds in the areas of environmental science and engineering; hydrogeology; Environmental Protection Agency (EPA) and Florida Department of Environmental Protection (FDEP) regulatory frameworks; coastal and waterfront services; assessment and loan applications; working with PCBs; risk assessment; petroleum remediation sites; hazardous building materials; QAPPs; indoor air assessments; reuse plans; health and safety plans; and community outreach.

While maintaining a focus on the overall goal of the project, Jeff Wilson, PE, Regional Office Manager, has the unique ability of effectively and efficiently utilizing the talents of a multi-disciplined work force to bring assignments in on time and on budget.

Additionally, Weston & Sampson maintains a staff of nearly 400 professionals whom we can draw upon to support work for your project, if needed, including licensed environmental/site professionals; registered professional engineers, geologists, architects, and landscape architects; professional land surveyors; LEED® professionals; a full contracting department to prepare plans and specifications for public bidding; as well as a public relations department to develop graphics and informational material for public education and outreach.

In organizing our project team and scheduling our key personnel, we have taken into account their commitments for other projects currently underway to ensure their continued commitment throughout your contract term. Upon selection, our proposed team members will be immediately available to begin work and complete your assignments within the required schedule. Our key team members have worked together on many similar programs. And, most importantly, we have the experience and expertise to help the City of Key West by providing successful and efficient services to meet your environmental project goals.

Specific project teams will be assigned in response to the needs of the city. Project teams will be led by one of our technical group leaders. These team leaders typically have more than 20 years of environmental engineering experience, and will have expertise in the specific discipline required for the project, as well as experience in managing the various components. Our project team will remain abreast of all project matters and will maintain a high level of communication with your staff. Our team will remain in constant communication through regularly scheduled meetings to discuss the progress of assigned tasks.

Our organization chart on the following page details the lines of communication among all of our team members, as well as their respective roles and responsibilities. We have also provided detailed resumes for our proposed team members, as well as evidence of their applicable Florida licenses, at the end of this section.

PROJECT MANAGEMENT

Mr. Jeffrey Wilson, PE, Regional Office Manager of our Fort Myers office, will serve as the project manager and will ensure that your project remains a priority within our firm. As the

PROJECT TEAM

KEY WEST
FLORIDA

Weston&Sampson

PROJECT MANAGEMENT

Jeffrey Wilson, PE (#41792)
REGIONAL OFFICE MANAGER
FORT MYERS

George Naslas, PG, LSP
TECHNICAL MANAGER

KEY PROFESSIONALS

INDUSTRIAL HYGIENE/ HAZARDOUS MATERIALS

David Wright
Mike Skroski, CEM
Marie Guiles
Brian McCormack, PE

UST SITE SERVICES

Jamie Fair, PE
Brian McCormack, PE
Samuele Quattrini, PG

POLLUTION PREVENTION / STORMWATER ABATEMENT

Allen Mank, PE (#45937)
James Pearson, PE

CONTAMINATED SITE ASSESSMENT & REMEDIATION

Stephen Wiehe, PG (#1904)
Frank Ricciardi, PE, LSP
James Currier, LSP, LEED®AP

WETLAND DELINEATION, RESTORATION, & PERMITTING

Allen Mank, PE (#45937)
Passarella & Associates, Inc.
Boylan Environmental Consultants, Inc.
(MBE/DBE)

REAL ESTATE DEVELOPMENT SUPPORT

Allen Mank, PE (#45937)
Valarie Ferro, AICP
Emigdio (Erik) Isern, PE (#69854)
Derek Slabosz, EI (#1100018466)

CONSTRUCTION OVERSIGHT & MONITORING

Emigdio (Erik) Isern, PE (#69854)
Derek Slabosz, EI (#1100018466)

COASTAL ENGINEERING

Bourne Consulting Engineering

AS-NEEDED TECHNICAL SUPPORT

SURVEY LABORATORY DRILLING/GEOPHYSICS GIS/CADD ADMINISTRATIVE

PROJECT TEAM

primary point of contact and a stakeholder in our firm and the project, Jeff will have overall responsibility and accountability for project execution. **A Florida registered Professional Engineer;** he has over 30 years of experience and has been involved in the management of large public works projects in Florida since 1989. Jeff will lead a technically adept team, specially organized for each project assignment. He will establish clear lines of responsibility and communication with the city, as well as among our staff members. It will be his responsibility to monitor individual task budgets and team member assignments. Jeff, as the city's primary contact, will oversee project assignments and be available daily to interact with the city's staff to address project issues.

One of Jeff's current projects includes our landfill gas & wellfield monitoring project for Waste Management Closed Sites Group at the Gulf Coast Landfill in Fort Myers, Florida. His recent public infrastructure experience includes water main relocation and replacement for the Greater Pine Island Water Association (GPIWA); reclaimed water distribution system expansion and potable water model projects in Naples; utilities along the Colonial Boulevard road widening project east of I-75 in Fort Myers; and utility improvements at the Brookhill Subdivision in Fort Myers. Recently, Jeff has been designated as a Public Works Leadership Fellow by the American Public Works Association (APWA). He is actively involved in the APWA, the Southwest Florida Chapter of WEA, and also serves on the Board of Advisors for the School of Engineering at Florida Gulf Coast University.

Mr. George Naslas, PG, LSP will serve as the technical manager of your project. He will provide technical guidance for each of the assignments and will ensure that the appropriate technical experts and resources are assigned to the City of Key West to complete each task. George leads our environmental, Brownfields, and demolition practices; understands all the steps necessary to turn an assessment into a biddable project; and oversees and guides contaminated sites to cleanup and regulatory closure. A registered Licensed Site Professional (LSP), George has nearly 30 years of environmental experience and extensive knowledge of contaminated sites and industrial properties. He manages Weston & Sampson's demolition and site clearance projects, many as part of site redevelopment, and is the LSP-of-Record for more than 80 sites.

George has also completed over 150 Phase I, II, and III assessments throughout New England, including several of our EPA Brownfields Assessment and Cleanup Grant Projects, including those in the communities of Boston, Brimfield, Lawrence, Lynn, Middlefield, Monson, Spencer, Springfield, Warren, and West Springfield, Massachusetts, either for the municipality directly or through an EPA (or state) grant with the Pioneer Valley Planning Commission (PVPC). He has taught seminars on Brownfields and presented Brownfields projects to the public in many communities, and has an excellent working relationship with personnel from the EPA. George has worked on numerous task order contracts for state agencies, including our award-winning environmental work at the former Modern Electroplating facility and our on-call environmental services contract with the City of Boston Department of Neighborhood Development (DND). In addition, George has bid many EPA-funded projects and understands the requirements under EPA funding**.**

PROJECT TEAM

CONTAMINATED SITE ASSESSMENT & REMEDIATION

Mr. Stephen Wiehe, PG will manage the contaminated site assessment and remediation tasks for your contract. **A Florida registered Professional Geologist,** he has more than 20 years of diverse experience in the environmental and engineering geoscience fields with expertise in a wide area of environmental, consulting, and construction services. Steve is well versed in the planning, design, preparation of contract documents, bidding, award, and construction of capital improvement projects. His background includes Phase I and II environmental site assessments (ESAs), contamination assessments, design of remedial action plans (RAPs), implementation of corrective action plans, construction of remediation systems, large-scale dewatering projects, and petroleum tank removal and replacement projects. In addition, Steve has provided project management and technical oversight for a number of recent renewable energy (solar, wind, geothermal) feasibility studies.

Steve's past work in Florida includes the management of all environmental, building code inspection, and materials testing services for Bureau Veritas North Americas' Fort Myers office from 2004 to 2007. His clients included the Lee County Public School, Charlotte County Public School, and the Collier County Public School Districts. In the aftermath of Hurricane Charlie in 2004, Steve coordinated the environmental response for Charlotte County Schools, including the collection and disposal of all petroleum and hazardous wastes from hurricane-damaged buildings. Steve supervised the assessment and cleanup activities at numerous leaking UST sites under the State of Florida Inland Protection Trust Fund following FDEP policies and procedures. His experience includes the preparation of field reports, letters, and documents to environmental regulators on behalf of clients across Lee County.

Mr. Frank Ricciardi, PE, LSP will provide environmental services related to contaminated site assessment and remediation. Frank has more than 21 years of experience in project management, environmental engineering, feasibility studies, remediation system design, remediation construction oversight, and hazardous waste site assessments. **He is chair of the New England Environmental Business Council's PCB remediation subcommittee.** He has extensive experience in the design, installation, and operations and maintenance (O&M) of remediation systems (groundwater and soil), and in the preparation of multi-media sampling plans, quality assurance plans, and health and safety plans. Frank served as the lead remediation engineer for the Area B-2 Police Station Sub-Slab Depressurization System in Boston. Additionally, Frank has served as lead designer and project manager for several thermal desorption units (PCBs), multi-phase extraction systems (petroleum), and chemical oxidation projects (gasoline related compounds). For numerous EPA Superfund sites, Frank oversaw all site assessment and remediation activities as the project manager. **His petroleum remediation system design for the Massachusetts Bay Transportation Authority's (MBTA's) Cabot Yard facility won an ACEC Engineering Excellence award in 2008.**

Mr. James Currier, LSP, LEED®AP has significant experience providing environmental site assessment and remedial activity services for a range of projects. Jim will work with Steve and Frank to provide contaminated site assessment and remediation services. He has more than 20 years of experience conducting environmental site assessments, subsurface investigations, risk evaluations and remediation projects, and specialized experience managing ASTM environmental pre-acquisition assessments/due diligence assignments to evaluate site conditions, potential off-site liabilities, environmental control systems, and site remediation

PROJECT TEAM

costs. An LSP and LEED® certified professional, Jim is an integral part of Weston & Sampson's inventory and assessment team working on contaminated sites. He also assists with the administrative requirements for our projects, including quarterly reporting, MBE/WBE commitments, and updates to ACRES and ARRA specific requirements, where appropriate.

Jim is the project manager for our Brownfields Coalition Assessment grant project on behalf of the Metropolitan Area Planning Council (MAPC). The Brownfields Program involves work in waterfront communities, establishment of a steering committee, prioritization of site assessment resources based on an evaluation and characterization of site risk, and quarterly reporting to EPA. Jim's experience also includes providing emergency response action support for the Boston Water and Sewer Commission; he has responded to three releases throughout the city. He also completed a supplementary site investigation at a commercial property that included indoor air, soil, and groundwater testing in Chelsea, Massachusetts.

WETLAND DELINEATION, RESTORATION, & PERMITTING

Mr. Allen Mank, PE works out of our Fort Myers office and will manage the wetland delineation, restoration, and permitting tasks for your project. **A Florida registered Professional Engineer,** Allen has more than 25 years of extensive experience in civil/site engineering, water and wastewater utilities, stormwater management, and low-impact design. A graduate of the University of Florida, Allen has served as project manager for the design, permitting, construction observation, and project certification for various projects. His experience includes the design and permitting of off-site improvements, including directional drill installations; coordination of environmental and archaeological subconsultant activities; NPDES permitting and associated stormwater pollution prevention plans; and construction observation and project compliance certification services.

Allan's relevant project work includes the design, permitting, construction observation, and project certification of utilities and roadways for a 1,456 acre mixed-use planned development in Lee County, Florida; site plan design and permitting services for a 2.7 acre project consisting of a 15,900 square foot building and ancillary facilities for Emergency Medical Services at Page Field, also in Lee County; and services for the Rattlesnake Hammock commercial/retail project in Collier County, Florida.

Subconsultants

To further enhance our in-house qualifications and provide wetlands delineation, restoration, and permitting capabilities, we have included **Passarella & Associates, Inc.** and **Boylan Environmental Consultants, Inc.** on our project team. With both firms located in Florida, Weston & Sampson has worked with both on past successful projects, including our on-call environmental contract work in Fort Myers.

Passarella & Associates, Inc. will support our in-house wetland delineation, restoration, and permitting efforts. Passarella & Associates is a full-service ecological consulting firm, founded to assist clients in achieving a sustainable balance between development and our environmental resources. **Founded in 1996 in Fort Myers, Florida, Passarella & Associates offers environmental expertise on both small and large-scale projects from concept to completion.** Public and private entities depend on their experience and understanding of

PROJECT TEAM

permitting guidelines to deliver projects that emphasize uncompromising quality and environmental awareness. Passarella & Associates offers a team of experienced and dedicated ecologists, biologists, environmental consultants, AutoCAD and GIS technicians and support staff members, who work closely with each client from project conception through construction.

Boylan Environmental Consultants, Inc. will also support our in-house wetland delineation, restoration, and permitting efforts. Boylan Environmental Consultants is an environmental consulting firm providing technical and economically feasible solutions to today's environmental issues. **Located in Southwest Florida since 1989, the resulting experience and local knowledge have given Boylan Environmental Consultants added expertise specific to this ecosystem and requirements of the regulatory agencies.** In addition, the firm of Boylan Environmental Consultants, Inc. is certified as a Florida Minority Business Enterprise (MBE) and a Disadvantaged Business Enterprise (DBE).

INDUSTRIAL HYGIENE/HAZARDOUS MATERIALS

Mr. David Wright is Weston & Sampson's Health and Safety Manager. David will manage the industrial hygiene and hazardous materials tasks for your project. He is responsible for the overall compliance with the Occupational Safety and Health Administration (OSHA) and other applicable safety regulations on job sites. With over 15 years of experience, David is recognized for developing and maintaining a world class safety culture. He is skilled in training; committed to a team effort of safety; and has zero tolerance for accident, injuries, and safety failures.

Mr. Michael Skroski, **CEM** will work with David to provide industrial hygiene and hazardous materials services for your project. Mike is an experienced mechanical and energy engineer with over 20 years of building assessment, renewable energy options evaluation, and project experience. He has managed multiple demand-side management, site assessments, and energy conservation measure projects, as well as complex energy flow analysis for technology providers and industrial manufacturing and commercial facilities. Mike has also trained utility personnel to evaluate customers' potential energy savings for their demand side management programs. He can quickly assess facilities to determine those that would benefit from energy efficiency improvements, and is capable of identifying improvements that might qualify for rebates and incentives from utility energy efficiency programs.

Mike has worked with major utilities, developers, technology providers, and EPC firms. His other areas of experience include ground source heat pump evaluation, micro hydro and waste heat recovery, and his clients include municipalities, higher education entities, and industrial businesses. Mike's typical responsibilities include technology and peer review, measure assessment and reporting, site evaluations, and customer presentations. His most recent projects have concentrated on assisting a major southern utility with the evaluation of potential measures for the design of new Demand Side Management (DSM) programs. Mike's other recent projects include waste heat to power system design and evaluation, combined heat and power from anaerobic digester fuel sources, fuel cell placement, biomass and waste gasification, and large solar PV evaluation and development. Mike was the lead engineer for Northern Power on Vermont's first municipal CHP project, which utilized methane from an anaerobic digester converted to co-digest municipal biosolids with fats, oils and grease (FOG) at the Essex Junction (VT) Wastewater Treatment Facility.

PROJECT TEAM

Ms. Marie Guiles, senior risk assessor, will work with the project team to support our industrial hygiene and hazardous materials services efforts on behalf of your project. Marie has over 19 years of experience in environmental consulting and has managed and conducted human health risk assessments at state regulated sites in New England, New York, and Ohio, among others, as well as at CERCLA and RCRA hazardous waste sites. Marie has performed risk assessments of petroleum refineries, former manufactured gas plants, operating industrial facilities, landfills, and various petroleum and chlorinated solvent spill sites. In addition, she has derived risk-based clean-up criteria for numerous sites and is experienced in providing recommendations for deed restrictions. Marie has been involved with numerous risk assessments conducted under federal programs and risk assessments conducted for other state-lead programs. These include baseline risk assessments, derivation of risk-based clean-up levels, risk assessments to evaluate the effectiveness of remedial actions, development of risk-based sampling plans for site investigations, and risk calculations in support of deed restrictions.

Mr. Brian McCormack, PE will work collaboratively with our team members to provide industrial hygiene and hazardous materials services. Brian has more than 15 years of engineering and environmental consulting experience, and an additional year of experience in the design, fabrication and construction of structural steel buildings. He is experienced in a wide range of building deconstruction/demolition and remediation projects. Brian has worked on many state and locally funded projects, including cleanup and redevelopment of multiple pool sites in Worcester and Waltham; and demolition of the Reeves Elementary School in Woburn, the South Main Street School in Monson, multi-family residences in Woburn, and the Frederick C. Murphy Federal Center in Waltham, Massachusetts. As project manager for the demolition and remediation of the former power plant at the University of Massachusetts – Amherst campus, Brian's responsibilities included oversight of the project tasks, including PCB analysis, asbestos and lead-based paint assessments, UST removal, utility, and steam relocation.

UST SITE SERVICES

Mr. James Fair, PE will provide UST site services. An EPA-Certified Third-Party Inspector, Jamie has nearly 20 years of civil and environmental engineering experience. He has provided engineering services on numerous environmental assessment and remediation projects including system testing, repair, design, and construction for storage tank projects. As part of a multi-million dollar contract for the Department of Transportation (DOT) and the Federal Aviation Administration (FAA) to conduct site assessment and remediation at selected sites in the Eastern United States, Jamie provided UST removal and AST installation services at the Bradley International Airport in Windsor Locks, Connecticut. For multiple Bank of America facility sites, Jamie's work included providing fuel design and construction services for the assessment and inspection of two 10,000 gallon diesel USTs and the removal and replacement of a 15,000-gallon UST. His UST experience also includes the design and oversight of a vehicle fueling system in Lexington, Massachusetts that included two 10,000 gallon double-walled USTs. In addition, Jamie's industrial engineering and equipment design experience includes fueling systems, lubrication distribution systems, overhead cranes and monorails, vehicle lift system, and vehicle wash systems.

Mr. Samuele Quattrini, PG will provide UST site services. Sam is a project geologist involved in soil, gas, and groundwater sampling at various contaminated sites throughout the Northeast.

PROJECT TEAM

He is also responsible for data evaluation at a petroleum site in support of expert testimony. Sam's experience includes performing UST and underground gasoline/diesel gas pipe removal; supervising drilling activities; monitoring well installation; collecting and preserving soil, groundwater, and light non-aqueous phase liquids (LNAPL) samples; and operating environmental monitoring equipment. He has also managed the installation, operation, and maintenance of pump-and-treat systems and overseen the installation of air-sparging, soil vapor extraction, and bio-venting wells. Sam recently conducted Phase I and/or II environmental assessments in New Bedford, Revere, and the Charlestown Navy Yard in Boston, Massachusetts.

Mr. Brian McCormack, PE will work collaboratively with Jamie and Sam to provide UST site services. Brian's qualifications are detailed above and in his resume included at the end of this section.

POLLUTION PREVENTION/STORMWATER ASSESSMENT

Mr. Allen Mank, PE will manage the pollution prevention/stormwater assessment services that may be required as part of your project. Allen's qualifications are detailed above and in his resume included at the end of this section.

Mr. James Pearson, PE will work with Allen to provide pollution prevention/stormwater assessment services. James is a Professional Engineer with more than 12 years of experience in the design, analysis, and construction for a diverse range of projects, including stormwater design and implementation, storm drainage conveyance and treatment systems, site planning and design, facility expansion and grading, water distribution systems, sewer pipelines, structural design, and roadway design. He has designed new and replacement utilities for both urban and suburban settings, and is experienced in the management of design, bidding, and construction administration project phases. James' recent project work includes the site design and layout of the Gordon Food Services building expansion in Taunton, Massachusetts that included both stormwater and wetlands replication design.

REAL ESTATE DEVELOPMENT SUPPORT

Mr. Allen Mank, PE will manage the real estate development support services that may be required as part of your project. As mentioned previously, Allen's qualifications are detailed above and in his resume included at the end of this section.

Ms. Valarie Ferro, AICP, is a certified planner, accomplished outreach facilitator, and experienced Brownfield advisor. She will work with Allen and the rest of the project team to provide real estate development support. Val has worked extensively in the field of planning and development, and she is well-acquainted with funding programs and reporting procedures. In addition to organizing public outreach and assisting with communicating project goals, Val will work closed with the city and the project team to ensure that site characterization is geared toward meeting the goals of the City of Key West. Given her experience with coastal permitting, Val will also be involved in identifying any sensitive resources that must be considered during invasive site investigations.

PROJECT TEAM

Mr. Emigdio (Erik) Isern, PE, project engineer in our Fort Myers office, will provide real estate development support services on behalf of your project. **A Florida licensed Professional Engineer**, Erik has more than 15 years of experience in the design and consulting services for municipal projects. His environmental engineering experience includes serving as field team leader and site safety coordinator in high-profile Department of Defense RCRA and CERCLA environmental assessments and UXO site cleanups. Erik has also managed numerous water, wastewater, and geotechnical projects, including $20 million in water and wastewater capital improvement projects for the City of Shreveport, Louisiana.

Mr. Derek Slabosz, EI, engineer in our Fort Myers office, will provide additional real estate development support. **A Florida certified Engineer Intern,** Derek has a range of engineering experience that includes hydraulic modeling, water resources engineering, structural engineering, and transportation engineering. His diverse experience enables him to support multiple design disciplines. Derek is skilled in ArcGIS, AutoCAD, and the DHI Hydraulic Modeling Suite. His experience includes field site visits to map stormwater conveyance systems in Fort Myers, Florida and a project in northern Lee County for which he extracted GPS coordinates of surface monitoring sites from GIS databases and installed shallow wells at four locations to extend the monitoring period for ephemeral streams.

CONTRUCTION OVERSIGHT & MONITORING

Erik Isern, PE and **Derek Slabosz, EI** will work collaboratively to provide construction oversight and monitoring for your project assignments. Both Erik and Derek have experience working at construction sites and managing project tasks/personnel. Their qualifications are detailed above and in their resumes included at the end of this section.

Weston & Sampson has extensive experience preparing plans and specifications for public bidding, as well as providing administration and resident engineering services for a wide range of construction projects. Many of our resident engineers have on-site experience through prior Florida-based projects, and all of our resident engineers have the required Occupational Safety and Health (OSHA) Training in Construction Safety & Health.

COASTAL ENGINEERING

We have included **Bourne Consulting Engineering**, specialists in seawall construction and waterfront permitting, on our project team to further enhance our in-house qualifications and provide coastal, marine, and waterfront engineering capabilities. **Weston & Sampson has worked collaboratively with Bourne Consulting Engineering on a number of successful federally funded coastal/waterfront assessment projects,** including a waterfront redevelopment project for the Economic Development and Industrial Corporation in Lynn, Massachusetts, an environmental/marine engineering assessment at a former fish processing facility for the City of Gloucester, Massachusetts, and the Salem Wharf reconstruction project in Salem, Massachusetts.

Established in 1991 by Ronald R. Bourne, PE, Bourne Consulting Engineering has over 25 years of commercial engineering experience specializing in waterfront structures. Bourne Consulting Engineering provides waterfront engineering, which is a combination of structural, geotechnical, civil, and coastal engineering, along with naval architecture. They work in all these

PROJECT TEAM

disciplines and deal with wind, wave, tidal, and ice impacts; as well as floating structures, open pile structures, filled structures, and shore protection. **By using innovative and environmentally sensitive design technologies, Bourne Consulting Engineering is able to integrate natural systems with built features in a high-quality, cost-effective way.**

Jeffrey A. Wilson, PE, PWLF

Florida Regional Manager

Education

1982
Bachelor of Science
Civil Engineering
Ohio University

Professional Registration

Professional Engineer:
Florida
Mississippi
Alabama
Georgia
Louisiana

NCEES Certificate Holder 31558

Professional Affiliations

American Public Works Association, 2013 Congress Program Review Committee (National) 2012-2013
American Public Works Association, International Affairs Committee 2010-2011
Government Affairs National Committee, 2007-2009;
American Public Works Association, SAFECOM Representative 2007-2009
American Public Works Association, Florida Chapter, President, 2004-2005;
American Public Works Association, Florida Chapter, President-Elect, 2003-2004;
American Public Works Association, Florida Chapter, Vice-President, 2002-2003;
American Public Works Association, Florida Chapter, Secretary, 1997-2001;
American Public Works Association, Southwest Florida Chapter, Past President;
Water Environment Federation
Southwest Florida Water Environment Association

Awards & Recognitions

APWA, Florida Chapter, Ben Pratt Award, 2006;
APWA, Florida Chapter, Special Recognition for Services During the 2004 Hurricane Season, 2005;
APWA, Florida Chapter, Mac Ulsch Award, 2003;
APWA, Emerging Leaders Program (Mentor), 2003 International Public Works Congress, San Diego, California;
APWA, Florida Chapter, Meritorious Service Award, 1998

Experience

Mr. Wilson has more than 31 years of utility project expertise, including 24 years managing large-scale public works projects throughout Florida. Jeff has extensive experience with the conceptual development and detailed designs for large public works projects, including public relations, easement acquisitions, community impact mitigation and public acceptance. His project experience includes facility master planning, wastewater transmission/collection, reclaimed water distribution/transmission and water distribution/transmission. Mr. Wilson's approach to all projects includes team building, integrity and determination to see projects beyond completion and well into the operational phase. Jeff is talented in the development and coordination of practical and economical solutions for complex engineering problems.

At the 2011 APWA Annual Congress held in Denver, CO, Mr. Wilson was recognized as a Public Works Leadership Fellow (PWLF). This designation is bestowed on individuals with demonstrated senior executive leadership and management excellence in public works.

Mr. Wilson is an advocate for the next generation of engineers, both in the United States and abroad. He serves on the Board of Advisors for the Civil & Environmental Engineering Department at Florida Gulf Coast University, and has developed/presented 2 one-week training sessions on potable water/sanitary sewer systems for land development to young engineers of the Saudi Royal Commission in May 2010, located in Yanbu, Saudi Arabia.

Specific Project Experience

Reclaimed Water System Expansion, Naples, Florida - Project Director for expanding the City's reclaimed water system. Services include:

- Determination of potential high-demand areas
- Computer modeling of the system
- Preliminary and final design services
- Development of the City's current potable water and reclaimed water models
- Technical memorandum for computer modeling of available fire flows, and presentations at City Council
- Design services for Reclaimed Water Option T-7, T-2, and T-8
- Bidding and construction services associated with Option T-7
- Coordination of potable water/reclaimed water/sanitary sewer rate study

GPIWA Island Avenue Water Main Replacement, Lee County, Florida - Project Director for design, bidding and construction administration associated with the replacement of approximately 8,000 feet of water mains in the Island Avenue neighborhood.

SR78/Pine Island Road Utility Relocation, Lee County, Florida - Project Director for design of relocating approximately 8,500 feet of 8-inch water mains for Greater Pine Island Water Association associated with the FDOT widening of SR78-Pine Island Road.

Member - Task Forces

3rd National Conference on Strengthening the Public Safety Response to Terrorism & Other Hazards, June 2006
Lansdowne, Virginia.

Emergency Response Council (ERC)
Winter Meeting - December, 2007
Orlando, Florida
Summer Meeting – June 2008
Arlington, Virgina
Winter Meeting – December 2008
Orlando, Florida
Summer Meeting – June 2009
Baltimore, Maryland
APWA Government Affairs Committee
2009 Fall Meeting-Columbus, OH
2008 Spring Meeting-Washington DC
2008 Fall Meeting-New Orleans, LA
2007 Spring Meeting-Washington DC
2007 Fall Meeting-San Antonio, TX

Publications

What's Next...
Florida APWA Conference Publication,
May, 2010

Horizontal Directional Drilling an Emergency Water Main Replacement under Matlacha Pass,,
Florida Water Resources Journal,
December 2008

Knowledge is Power:
Infrastructure Reconstruction After Hurricane Charley,
Florida Engineering Society Journal,
May, 2005

The Spirit of the American Public Works Association is Alive and Well,
APWA Reporter,
September, 2004

Technical Presentations

Bonnie, Charley, Ivan Frances & Jeanne: Florida's Uninvited Visitors of 2004

APWA International Congress
Minneapolis, Minnesota
September 13, 2005

Ninth Southeast Local Roads Conference
Savannah, Georgia
April 3, 2005

Florida APWA Annual Meeting
Tampa, Florida
April 21, 2005

Hurricane Charley Recovery:
Punta Gorda Utilities Perspective

Brookhill Subdivision Utility Improvements, Fort Myers, Florida - project director for replacing aging infrastructure in order to continue providing the level of utility service. Brookhill, with approximately 150 residences, was originally platted in three phases between 1959/1960. Infrastructure was installed in the early 1960s. The new replacement water & sewer mains will be located within street right-of-way where possible. As streets were impacted with utility construction, the City also upgraded the streets, drainage and sidewalks in this project.

Colonial Boulevard Utility Relocation, Fort Myers, Florida- Project Director for reloca¬tion of water, wastewater and reclaimed water transmission mains for the City of Fort Myers associated with the widening of Colonial Boulevard by Lee County Department of transportation. Work involved design of new 12- inch through 24-inch mains.

BSU East Terry Street Potable Water Transmission Main, Lee County, Florida - Project Director responsible for design and construction of approximately 1,800 feet of 36-inch and 2,400 feet of 24-inch ductile iron water transmission main, with construction cost of $1.8M. Key factors for the success of this project included maintaining existing transmission capabilities, working within limited right-of-way, and maintaining traffic along a busy thoroughfare.

GPIWA Matlacha Pass Horizontal Directional Drill Project, Pine Island, Florida - Project Director for data collection, design, permitting, and construction phase services for 3,000 feet of 16 inch HDPE sub-aqueous water main replacement via HDD under an environmentally sensitive waterway and aquatic preserve. Depth ranged from 50 feet to 85 feet below bottom of waterway.

Collier County, Florida - Project Facilitator for multiple citizens' advisory panel meetings associated with a new 20-MGD membrane water treatment facility and 6-MGD water reclamation facility to be co-located and constructed in northeastern Collier County on a 236-acrea greenfield site. Other components to be located on this site included recycling facility and a county-owned park system.

Charlotte County Utilities (CCU) Regional Reclaimed Water System, Florida - Project Director for detailed design, permitting, and construction phase services for this $13 million reclaimed water transmission main project encompassing 14 miles of transmission main and two intermediate booster pumping facilities and ground storage tanks.

BSU Bonita Beach Road Force Main, Lee County, Florida - Project Director for the design of a new 16-inch wastewater forcemain paralleling Bonita Beach Road. The project (nearly $500,000) consisted of approximately 8,000 feet of forcemain in a congested right-of-way. Additional constraints included coordination of the utility improvement with Lee County DOT's road widening plans and construction activities during peak tourist season (high traffic volume).

Bonita Springs Utilities (BSU) Raw Water Transmission Main, Lee County, Florida - project director for approximately 22,000 feet of HDPE raw water main for the Bonita Springs Utilities (BSU). The pipeline, ranging in size from 20-inch to 30-inch, involved two separate horizontal directional drills under Interstate 75. Construction cost for these improvements was approximately $3.5M. High-density polyethylene was selected for the transmission main due to the high chloride and total suspended solids content of the raw water. Due to the transmission main alignment, FDEP Environmental Resource Permitting and U.S. Army Corps of Engineers Permitting was required on this project.

Florida Department of Business & Professional Regulation

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Licensee Details

Licensee Information

Name:	**WILSON, JEFFREY ALAN (Primary Name)**
	(DBA Name)
Main Address:	**1436 ARGYLE DRIVE** **FORT MYERS Florida 339190000**
County:	**LEE**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Professional Engineer**
Rank:	**Prof Engineer**
License Number:	**41792**
Status:	**Current,Active**
Licensure Date:	**08/14/1989**
Expires:	**02/28/2015**

Special Qualifications	**Qualification Effective**

George D. Naslas, PG, LSP

Technical Manager

Background

2011-Present
Vice President
Weston & Sampson

2004-2011
Associate
Weston & Sampson

2000-2004
Project Manager/Team Leader
Weston & Sampson

1997-Present
Project Manager
Weston & Sampson

1996-1997
Senior Hydrogeologist
Weston & Sampson

1993-1996
Project Hydrogeologist
Weston & Sampson

1993
Manager of Site
Assessment Services, EnviroBusiness, Inc.
Cambridge, Massachusetts

1990-1991
Master of Science Student
Research Assistant,
Infiltration Studies - Lake Tahoe Basin

1990
Field Technician
Water Research and
Development, Inc., Reno,
Nevada

1989-1990
Research Assistant
University of Nevada, Reno
Crop Water Requirement
Study
Fernley, Nevada

1985-1988
Geologist
UNOCAL (UK) Ltd.
Sunbury on Thames,
Middlesex, UK

Education

1991
Master of Science
Hydrology/Hydrogeology
University of Nevada

1985
Bachelor of Science (Honors)
Geology
Royal School of Mines
Imperial College of Science,
Technology, and Medicine
University of London

Experience

Mr. Naslas has 27 years of experience, 24 in the environmental industry and an additional three years experience as an exploration geologist for a petroleum company. Mr. Naslas is our Practice Leader for Environmental Services, responsible for developing and growing environmental services across the company. Mr. Naslas also leads our Brownfields Developments, as well as our demolition services practices. He has completed over 200 Phase I and Phase II assessments, and evaluated remedial feasibility studies under Phase III. He has worked on all phases of the Massachusetts Contingency Plan (MCP), including Immediate Response Actions (IRAs) and Remediation Action Measures (RAMs); Mr. Naslas has managed soil and groundwater remediation projects and has been involved in the operation and maintenance and upgrade of treatment systems. He has written plans and specifications, and provided construction oversight for numerous remediation and demolition projects. He has performed comprehensive site assessments and hydrogeological investigations at several landfills in New England. Mr. Naslas has worked on hazardous waste and water supply projects throughout New England and in California, Nevada, Pennsylvania, and Washington.

Mr. Naslas has provided Brownfields workshops and presented at the National Brownfields Conference, the UMASS Soils Conference, and the New England Environmental Expo. In addition, Mr. Naslas has performed over 50 preliminary site assessments where he evaluated releases and threats of release for property transfers. He also conducted Peer Review assessment of hundreds of environmental reports for a billion-dollar commercial bank transaction of sites throughout the United States.

Specific Project Experience

Provided technical guidance for Weston & Sampson's Area-Wide Planning Grant (AWPG) in Sanford, Maine. This is a new pilot program, with 23 programs nationwide and only three AWPG's issued in New England. Mr. Naslas attended community outreach meetings and worked with the planning team to evaluated current Brownfield sites, as well as develop a redevelopment strategy for key parcels in the community.

Senior professional on an EPA Coalition Grant between the Metropolitan Area Planning Council and the Cities of Peabody and Salem, Massachusetts. Weston & Sampson is managing the overall program for the coalition partners. This program includes area-wide planning along the North River Corridor, including the development of a Brownfield inventory, site pre-characterization, community outreach, Phase I and II assessments, reuse planning, quarterly reporting, as well as updates of EPA's ACRES database.

Brownfields Program Manager for an EPA-funded city-wide inventory and assessment program for the City of Lawrence. The program included identification of suitable sites, inventory, community outreach, and Phase I and Phase II environmental site assessment.

Team Leader for the City of Lowell's Brownfields Program.

Brownfields Program Manager for an EPA-funded transit oriented development for the City of Revere. The program included identification of suitable sites, inventory, community outreach, and Phase I and Phase II environmental site assessment.

George D. Naslas, PG, LSP

Technical Manager

Professional Registration

Licensed Site Professional:
Massachusetts No. 6524

Professional Geologist:
New Hampshire No. 00185

Professional Geologist:
Tennessee No. 4357

40-hr OSHA Training Certified

Professional Societies

Licensed Site Professional Association
Rhode Island Society of Environmental Professionals

Papers & Publications

Naslas, G.D., et al, "*Effects of Soil Type, Plot Conditions, and Slope of Runoff and Interrill Erosion of Two Soils in the Lake Tahoe Basin*," published by American Water Works Association in *Water Resources Bulletin*, Vol. 30, No. 2, pp 319-328.

Naslas, G.D., et al, "*Sediment, Nitrate, and Ammonium in Surface Runoff from Two Tahoe Basin Soil Types*," published by American Water Works Association in *Water Resources Bulletin*, Vol. 30, No. 3, pp 409-417.

Provided technical review for the Environmental Protection Agency (EPA) Targeted Brownfields Assessment for the Town of Sanford, Maine.

Provided technical review for the EPA Targeted Brownfields Assessment for the Kennebec Valley Council of Governments (KVCOG).

Completed over 100 site investigations and evaluated remedial feasibility projects for numerous sites, including Hillsborough, Keene, Rochester, and West Lebanon, New Hampshire.

Provided technical expertise regarding a petroleum spill to the storm system in Peterborough, New Hampshire. A key component of this project was the potential threat to Peterborough's municipal wells. Mr. Naslas provided technical input in meetings between the town, New Hampshire Department of Environmental Services (NHDES), and the responsible party.

Brownfields Project Manager for an EPA-funded environmental site assessment program for the Franklin Regional Council of Governments, which serves 26 towns in Franklin County, Massachusetts.

Mr. Naslas is Project Manager for all Springfield projects including landfill monitoring, MCP compliance and LSP services, assessment, demolition, and remediation. He is part of the Brownfields task force team to redevelop the 56-acre Chapman Valve site, one of Governor Patrick's five priority Brownfields sites in the Commonwealth.

Mr. Naslas was project manager for a Phase I ESA at the I4C2 parcel as part of the City of Gloucester's Harbor Master Plan. The parcel is a waterfront with hundreds of years of former industrial and commercial use. Mr. Naslas worked with the City and their acquisition team on this project.

Project Manager for the Boston Redevelopment Authority's (BRA) multi-million dollar PCB and heavy metal remediation project in conjunction with the new Boston Convention and Exhibition Center. Mr. Naslas was responsible for design and implementation of this ACEC award winning project that included an indirect thermal desorption and stabilization remedial system, including construction of an engineered cap and stormwater management. Mr. Naslas coordinated with DEP and EPA and assisted in the Public Involvement Participation process. Mr. Naslas also supervised the engineering inspection services during the project.

Provided technical review for the EPA Targeted Brownfields Assessment for the Kennebec Valley Council of Governments (KVCOG).

Project Manager for an EPA-funded assessment grant to evaluate waste sites in two minority neighborhoods in Springfield, Massachusetts. The projects included site assignment, Phase I and Phase II ESAs, building assessments, and community outreach. Mr. Naslas also managed an EPA Brownfields contract to evaluate a mill site in Springfield. Both sites required Quality Assurance Project Plans (QAPPs) and remedial cost estimates.

Project Manager for a multi-million dollar site assessment and remediation task order for the Volpe Center of the Department of Transportation. The task orders included Brownfields site assessments, remediation cost estimates, lead and asbestos survey and abatement, risk characterization, and building demolition and remediation.

Stephen P. Wiehe, PG

Contaminated Site Assessment & Remediation

Background

2007-Present
Project Manager
Weston & Sampson

2004-2007
Branch Manager
Bureau Veritas North America

1993-2004
Environmental Division Manager
American Testing & Engineering Company/ATEC

1991-1993
Project Manager
Seyfried & Associates, Inc.

1990-1991
Geologist
Metcalf & Eddy

Education

1990
Bachelor of Science
Geology with Specialty in Engineering Geosciences
Radford University

Professional Registration

Professional Geologist
Florida No. 1904

OSHA 40-Hour Hazardous Waste Site Operations Training

Certified Environmental Assessor, NREP

Registered Environmental Property Assessor, NREP

Asbestos Building Inspector Certification

Phase I Environmental Site Assessment Process Certification

Publications

May 2012
Wiehe, Stephen;
"Energy efficiency and renewable energy: A good investment for existing properties?"
New England Real Estate Journal, Issue 25

Presentations

April 15, 2014
EUCI Solar Development on Landfills and Brownfields
Obtaining Environmental Engineering from Site Approval through Operations and Maintenance

Experience

Mr. Wiehe has more than 20 years of diverse experience in the environmental and engineering geoscience fields with expertise in a wide area of environmental, consulting, and construction services. His background includes general construction, earth moving and site development projects, land reclamation, solid waste and landfill projects, Phase I and Phase II environmental site assessments, contamination assessments, design of remedial action plans, implementation of corrective action plans, construction of remediation systems, large scale dewatering projects, and petroleum tank removal and replacement. Mr. Wiehe has detailed knowledge of environmental field services, drilling, sampling, general construction practices, construction materials testing, environmental consulting, hydrogeology, landfills and the solid waste industry, asbestos, lead paint, and radon. He has also served as the Owner's representative on many large projects.

Specific Project Experience

Managed all environmental, building code inspection and materials testing services for Bureau Veritas North Americas' Fort Myers office from 2004-2007. Clients included Lee County Public School, Charlotte County Public School, and Collier County Public School Districts.

Coordinated environmental response to Charlotte County Schools in the aftermath of Hurricane Charlie in 2004. These services included collection and disposal of all petroleum and hazardous wastes from hurricane damaged buildings, including asbestos building materials and remediation of significant mold which manifested in moisture damage buildings.

Responsible for directing activities of approximately 20 field inspection and testing personnel, including implementation of new software system designed to manage deliverables. Responsibilities also included negotiation of fees and contracts for specific services on unit rate fee basis, implementation of electric delivery methods, which reduced paperwork and maximized operational efficiency. Responsibilities included providing client training and orientation through live demonstrations or through hosting of on-line meetings.

Project geologist responsible for conducting numerous contamination assessments and development of remedial action plans for national retail petroleum clients. Hundreds of projects for clients such as Amoco Oil Company, Shell Oil Company, Exxon, Mobil, Texaco, and Conoco Phillips. Mr. Wiehe supervised the assessment and cleanup activities at numerous leaking underground storage tanks sites under the State of Florida Inland Protection Trust Fund following Florida Department of Environmental Protection (FDEP) policies and procedures. Routine duties included on site supervision of drilling, soil and groundwater sampling and pilot testing. Preparation of field reports, letters, and documents to environmental regulators on behalf of clients in and around The City of Fort Myers and Lee County.

Provided project management for the Lake Trafford critical restoration project in Immokalee, Florida. This included construction engineering inspections for monitoring of hydraulic dredging of over 260,000 cubic yards of oxygen depleting lake-bottom muck

and fine organic sediments to enhance water quality and natural habitat for fish and water fowl. As Owner's representative (South Florida Water Management District), project included providing daily inspections, monitoring and reporting during construction of earthen dikes and hydraulic dredging activities to verify compliance with construction drawing and specifications. Project required consultation of numerous stakeholders, including non-profit organizations, Fish and Wildlife, Water Management District, and other state and local governmental agencies. Project included a review of flora and fauna, wildlife surveys, and relocation of threatened or endangered species.

Project Manager for assessment of former dump site at Chapman Field Park in southern Miami-Dade County, Florida. The assessment of this site located in coastal wetland included a wetlands survey and delineation, identification of indigenous flora and fauna, wildlife survey, hydrological and tidal assessment, as well as characterization of the types of waste and horizontal and vertical extent of historical dumping and filling.

Project Manager of Sanitary Sewer Collection and Pumping Station Design-Build Project for Miami Dade County Department of Parks and Recreation in Miami, Florida. $2.8M competitively bid Design-Build construction projects at Haulover Beach Park and Greynolds Park included the design and installation of six duplex pump stations, over 10,000 feet of gravity sewer and 5,000 feet of sewer force mains. The systems included 43 manholes and required various degrees of shoring and dewatering. Project included use of directional drilling of force mains under roadways, wetlands, and a golf course. Directional drilling also included gravity sewer lines using 8-inch DIP. Responsible for overseeing all phases of design, permitting, and in-house construction services.

Construction Manager responsible for $2.9 million design, permitting, construction, operation and maintenance of a landfill gas extraction and leachate pre-treatment system at the North Dade Landfill facility in Miami, Florida. The landfill gas extraction system included the installation of 59 new landfill gas collection wells and the installation of over 55,000 linear feet of above- and below-ground piping connected to a 1,000 SCFM enclosed ground flare. The project included design and construction of a 100,000 gpd industrial pre-treatment system with PH adjustment, air stripping, and neutralization. System components included a 30,000-gallon equalization tank and 6,000-gallon chemical storage tank containment area. Project included evaluation of leachate flow using electronic flow sensors installed in collection piping; landfill gas controlling/monitoring/tuning, preparation/submittal of Title V Air Permits, air stack sampling from ground flare exhaust, testing of effluent waste streams for permit compliance, and reporting.

Environmental Project Manager for $1.1 million treatment of contaminated dewatering discharges for a utility construction project at Miami International Airport. The work scope of the project included permitting, assessment, groundwater modeling, and the installation, operation and maintenance of a 1,800 GPM groundwater treatment system over a 13-month period. The groundwater treatment system consisted of a 50,000 gallon temporary holding tank, seven air stripping towers, and water transfer pumping systems operated 24-hours per day providing maintenance, monitoring, testing, and regulatory reporting.

Project Manager for Fuel System Replacement Project at Miami International Airport that included the removal of USTs and replacement of ASTs at five locations throughout both airside and landside operation areas. The $260,000 tank removal and replacement contract was completed as part of the 1998 upgrade requirements, and included the removal of five UST's with capacities of up to 8,000 gallons, and the installation of seven concrete-vaulted AST's ranging in size from 500 to 2,000 gallons.

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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

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1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

WIEHE, STEPHEN PAUL
33 FRANCES DRIVE
NEWBURYPORT MA 01950

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

PG1904 ISSUED: 06/11/2014

PROFESSIONAL GEOLOGIST
WIEHE, STEPHEN PAUL

IS LICENSED under the provisions of Ch.492 FS.
Expiration date : JUL 31, 2016 L1406110001377

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KEN LAWSON, SECRETARY

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

LICENSE NUMBER
PG1904

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2016

WIEHE, STEPHEN PAUL
33 FRANCES DRIVE
NEWBURYPORT MA 01950

ISSUED: 06/11/2014 DISPLAY AS REQUIRED BY LAW SEQ # L1406110001377

Frank Ricciardi, PE, LSP

Contaminated Site Assessment & Remediation

Background

2014-Present
Vice President
Weston & Sampson

2010-2014
Senior Associate
Weston & Sampson

2007-2010
Team Leader
Weston & Sampson

2002-2007
Project Manager
Weston & Sampson

2001-2002
Project Manager
Jacques Whitford, Co.

1993-2001
Project Manager
Arthur D. Little, Inc.

1992-1993
Engineering Intern
MWRA

Education

1998
Master of Science
Environmental Engineering
Tufts University

1993
Bachelor of Science
Civil Engineering
Worcester Polytechnic Institute

Professional Registration

Licensed Site Professional:
Massachusetts No. 5586

Professional Engineer:
Massachusetts No. 41689

Certified Mold Remediator, IAQA
Certified Operator - Industrial Wastewater Systems Grade 4I: Massachusetts

Professional Certifications

8-Hour Health and Safety Refresher Training
40-Hour OSHA Health and Safety Training

Papers & Publications

2014
Fourth Biennial Southeastern InSitu Soil and Groundwater Remediation Conference
"AEG REDOX", Raleigh, NC

Experience

Mr. Ricciardi is a registered Professional Engineer and Licensed Site Professional with over 20 years of experience in project management, environmental engineering, remediation system design, and hazardous waste site assessments. Mr. Ricciardi has extensive experience in the design, installation, and operations and maintenance (O&M) of remediation systems (groundwater and soil). He has managed the remediation of US Environmental Protection Agency (EPA) Superfund sites and Massachusetts hazardous waste sites including the US Army's Soldier Systems Center in Natick, Massachusetts; the abandoned Elizabeth Mine Superfund Site in central Vermont; and several Massachusetts Bay Transportation Authority (MBTA) heavy maintenance facilities in Massachusetts.

Specific Project Experience

Deputy Project Manager for a U.S. EPA Region 1 Superfund site at an abandoned mine in central Vermont. Tasks associated with this project included sampling surface water, sediment, soil, groundwater, and potable drinking water over a 15-square-mile area. Mr. Ricciardi installed weirs, flumes, and dataloggers in key areas to measure continuous flow, pH, and specific conductance. He authored an engineering evaluation/cost assessment report for a non-time critical removal action for the waste mine tailings. This report presented several remediation design scenarios for the mine including excavation/disposal, seep diversion/treatment for extremely high levels of iron, copper, zinc and other metals, and constructed wetlands. He also designed flow rates, surface water diversion channels, soil cover volumes, and groundwater contours as part of this report.

Senior Technical Review of contract bid documents and cost estimates for the demolition of a former electroplating facility in the Roxbury section of Massachusetts. Project work includes abatement of lead paint, asbestos, and PCB-impacted building materials. Also, a pilot scale study for groundwater remediation of a chlorinated solvent plume via in-situ chemical reduction was designed. A Beneficial Use Determination (BUD) was also prepared for this project for the onsite reuse of slightly impacted building materials. Contract documents were completed on budget and all project deliverable dates were met. Responsible for assisting the client in contract bidding, bid review, and bid award procedures. Currently responsible for senior assistance with construction oversight and administration.

Managed the remediation of the EPA Region 1 Superfund site at the U.S. Army Soldier Systems Command (SSCOM) in Natick, Massachusetts. Mr. Ricciardi managed the design, installation, and O&M, of the groundwater remediation system consisting of a 200 gallons per minute (gpm) remediation system for the removal of dissolved chlorinated solvents including PCE, TCE, and DCE. The design incorporated the use of numerous years of environmental data collected from the Remedial Investigation and utilized computer-modeling software to evaluate hydrogeologic and chemical data. Mr. Ricciardi designed a process unit and evaluated the need for metal treatment processes, including multi-media filters, ion exchange and precipitation.

Project Manager for Phase IV Remediation design/construction phase services and Phase V Remedial Operation Status services associated with a $5.7 million multiphase extraction system at an MBTA Bus Garage in Boston. The Site is located in an urban area of South Boston with a myriad of subsurface utilities and complex stratigraphy within a confined aquifer. The UST release resulted in over seven feet of diesel fuel light non-aqueous phase liquid (LNAPL) within the source area and downgradient

Papers & Publications

February 2012
Ricciardi, F;
"PCBs in building materials,"
New England Real Estate Journal

2010
EPRI MGP Remediation Conference
"Keeping the Power On: MGP Remedation at an Active Electrical Switching Facility", San Antonio, TX

2009
EPA National Brownfields Conference
"Another Bright Idea: Incorporating Solar Energy Production into Brownfields Projects"
New Orleans, LA

2009
EPA National Brownfields Conference
"Deconstruction - Reuse and Recycling of Building Materials in Brownfields Redevelopment"
New Orleans, LA

2008
National Brownfields Conference
"Mercy, Mercy Me - What are going to do with these PCBs" Detroit, MI

2006
Ricciardi, F, "PCB Remediation on a High Hazard Dam" presented at The 22nd Annual International Conference on Soils, Sediment and Water – Univ. Mass. - Amherst, MA

2006
Ricciardi, F, "Actual Versus Apparent LNAPL Thickness – How Much is Really There" presented at The 22nd Annual International Conference on Soils, Sediment and Water – Univ. Mass. - Amherst, MA

2006
Ricciardi, F, "Obtaining Representative PCB Site Data – Overcoming Common Field and Analytical Pitfalls" presented at The 22nd Annual International Conference on Soils, Sediment and Water – Univ. Mass. - Amherst, MA

2006
Ricciardi, F, "Dual Phase Extraction Well Installation for Optimal Product Recovery in a Complex Stratigraphy" presented at The 22nd Annual International Conference on Soils, Sediment and Water – Univ. Mass. - Amherst, MA

LNAPL migration to a stormwater pump station. The remedial design consisted of the installation of 27 extraction wells, two satellite pump stations to recover migrated LNAPL prior to the stormwater pump station, oil/water separation, carbon filtration, and a metals precipitation system consisting of flocculation/coagulation and a plate filter press. The system also contains a bioremediation system capable of injecting nutrient enriched water and oxygen into the subsuface.

Project Manager for the design, installation, operation and maintenance of a groundwater remediation system at the new ambulatory care center for the Boston Medical Center. The project required groundwater dewatering treatment to remove semi-volatile organics, heavy metals including cadmium and chromium. The system utilized equalization, particulate filtration, and zeolite filters for heavy metals removal and carbon filtration. The treatment system was operated in accordance with Massachusetts Contingency Plan (MCP) and Environmental Protection Agency (EPA) Remediation General Permit standards.

For an MBTA Bus Garage located in Lynn, Massachusetts, Mr. Ricciardi designed and built an emergency IRA remedial system to prevent a Condition of Substantial Release Migration. The treatment system consisted of vacuum-enhanced product recovery with groundwater depression. This system operated for nearly three years and recovered over 4,500 gallons of LNAPL. Mr. Ricciardi also managed the Phase II Comprehensive Site Assessment, Phase III Remedial Alternatives Plan, Phase IV permanent remediation system design/construction phase services, and Phase V Remedy Operation Status services for this Site. The Site is located in an urban area of Lynn approximately 50 feet from private residences. The UST release resulted in over three feet of diesel fuel LNAPL within the service area and downgradient LNAPL migration to a public street. The permanent remediation system consists of a $1.7 million multiphase extraction system with oil/water separation, carbon filtration, and a catalytic oxidizer for vapor phase treatment.

Program Manager for the Cleanup of the Medfield State Hospital Campus, which involves activity at eight separate areas and will be carried out prior to transfer of property and redevelopment. The land consists of approximately 94.2 acres to be transferred to a developer chosen by a public bidding process. The redevelopment will be guided by a reuse plan and includes rehabilitation of much of the campus and the construction of several new buildings to provide 440 dwelling units and approximately 41,000 sf of office and community center space.

Mr. Ricciardi managed the field installation, development, and testing of the first horizontal wells used for environmental remediation at the Rocky Mountain Arsenal Superfund site. This project completed for the U.S. Army Corps of Engineers Waterways Experiment Station was an experimental study on the use of horizontal wells for groundwater extraction and ex-situ treatment. This project focused on groundwater recovery from the intersection of three separate plumes on the South Plants of the Arsenal. Mr. Ricciardi installed, tested, and operated the groundwater treatment system which consisted of liquid/vapor phase carbon absorption, iron/heavy metal precipitation, activated aluminum adsorption for fluoride removal, and particulate filtration.

Conducted numerous Comprehensive Site Assessments for Superfund and municipal sites. Mr. Ricciardi routinely utilizes innovative field-screening technologies to streamline site assessments and lower costs. He has authored numerous assessment work plans, health and safety plans, and Quality Assurance/Quality Control (QA/QC) plans associated with the following sites:

- U.S Army Fort Devens
- U.S. Army Soldier Systems Center
- Ottati and Goss Superfund Site
- Elizabeth Mine Superfund Site
- U.S. Navy Construction Battalion Center and
- Rocky Mountain Arsenal – South Plants Superfund Site

James S. Currier, LSP, LEED®AP

Contaminated Site Assessment & Remediation

Background

2010-Present
Project Manager
Weston & Sampson

1991-2010
Senior Project Manager
EBI Consulting

Education

1998
Environmental and Regulatory
Management Program
Northeastern University

1991
Bachelor of Arts
Environmental Studies
Middlebury College

Professional Registration

LEED® Accredited Professional

Licensed Site Professional :
Massachusetts No. 2373

Experience

Mr. Currier is a project manager and LSP with nearly 20 years experience conducting environmental site assessments, subsurface investigations, risk evaluations and remediation projects. In addition to studies related to financing and real estate transactions, Mr. Currier manages projects requiring investigation and remediation to comply with regulatory orders. Mr. Currier has completed hundreds of subsurface investigations and several indoor air, soil, and groundwater remediation projects.

Mr. Currier has extensive experience managing ASTM environmental pre-acquisition assessments/due diligence assignments to evaluate site conditions, potential off-site liabilities, environmental control systems, and site remediation costs. Mr. Currier advises attorneys, prospective buyers, current operators, and owners of potential and existing concerns regarding real estate. Mr. Currier teams with corporate environmental officers, legal counsel, and real estate brokers to develop strategies for managing contaminated properties.

Specific Project Experience

Project Manager for Metropolitan Area Planning Council (MAPC), Cities of Peabody and Salem, Massachusetts, an ongoing Brownfields Coalition Assessment grant project that includes the development of a Brownfields site inventory and interactive GIS maps, performance of environmental site assessments, site reuse planning, and community outreach and education. The management of this Brownfields Program involves the coordination between MAPC and representatives of the Cities of Peabody and Salem, establishment of a steering committee, prioritization of site assessment resources based on an evaluation and characterization of site risk, working with other consultants to monitor schedules and deliverables, and quarterly reporting to EPA.

Assistant Project Manager for support to an EPA Revolving Loan Fund (RLF) program administered by the City of Gardner, Massachusetts. Responsible for review of site specific applications and report submittals. Mr. Currier is working on the 140 South Main Street project, which is a former bulk fuel storage and distribution and autobody facility. Services include reviewing reports from another consultant, providing site specific oversight during response actions, and coordinating regulatory submittals with MADEP.

Project Manager for an EPA-funded Brownfields Assessment program for the City of Lowell, Massachusetts.

Project Manager for pre-demolition due diligence services for a private developer at a former fast food restaurant site and a former brake repair shop site in Concord, New Hampshire. Services included Phase I Environmental Site Assessments and building surveys to identify potential asbestos, hazardous materials, and hazardous waste contamination at each site.

Project Manager for pre-demolition due diligence services for a private developer at a former gas station in Portsmouth, New Hampshire. Services included a Phase I Environmental Site Assessment and building survey to identify potential asbestos, hazardous materials, and hazardous waste contamination.

Project Manager for North Shore Homes, Inc., Saugus, Massachusetts, a project that included a chlorinated solvent plume associated with a former dry cleaning facility. The site was investigated and an Imminent Hazard (IH) was identified in indoor air at downgradient residential apartment units. A sub-slab depressurization system (SSDS) was subsequently installed and indoor air testing confirmed that the SSDS successfully eliminated the IH condition and protected residences from further exposure. Supplementary site investigations were performed to evaluate the lateral and vertical extent of the plume in soil and groundwater, and a Phase III Remedial Action Plan outlining remedial alternatives and costs was completed. The elimination of the IH condition and further extensive site characterization resulted in a temporary solution under the regulatory framework. The client had limited financial resources to pursue full-scale remediation and opted to apply for Financial Inability Status with the Commonwealth of Massachusetts to be protected from enforcement action, fines, and/or penalties.

Completed an environmental investigation and remediation project of commercial property located in Essex, Massachusetts for a real estate owner and developer, [Gateway II Realty Trust.] A subsurface investigation, which included the completion of test pits, soil borings and installation of groundwater monitoring wells at the property, was initially completed to fully characterize site conditions. Petroleum hydrocarbon contamination was detected in soil and groundwater. Remedial activities included the characterization of the soil and the evaluation of various remedial options. The remedial option that was determined to best meet the client's budget, schedule, and overall needs was the excavation of approximately 1,100 tons of contaminated soils and off-site recycling of the soils at an asphalt batching facility. Recycling of the soil into a usable product resulted in the termination of liability associated with the soil. Dewatering activities were employed prior to excavation to expose the contaminated soils that existed below the groundwater table. Approximately 50,000 gallons of contaminated groundwater were treated on-site and discharged, under a National Pollutant Discharge Elimination System (NPDES) permit exclusion, to the municipal sewer system. The efficacy of the groundwater treatment system was monitored and confirmed by periodic testing.

CP Media, Framingham, Massachusetts - An environmental investigation and remediation project of a commercial property located in Framingham, Massachusetts was completed for a property owner. A subsurface investigation, which included the completion of test pits, soil borings and installation of groundwater monitoring wells at the property, was initially completed to fully characterize site conditions. Benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl-tert-butyl ether (MTBE) contamination was detected in soil and groundwater. Remedial activities included the characterization of the soil and the evaluation of various remedial options. The remedial option that was determined to best meet the client's budget, schedule, and overall needs was the excavation of contaminated soils and off-site recycling of the soils at an asphalt batching facility. Recycling of the soil into a usable product resulted in the termination of liability associated with the soil. Approximately 100,000 gallons of contaminated groundwater were treated on-site. The efficacy of the groundwater treatment system was monitored and confirmed by periodic testing.

ROCA, Chelsea, Massachusetts - Completed a supplementary site investigation at a commercial property that included indoor air, soil, and groundwater testing. The results of the supplementary site investigation and an updated risk characterization determined that contaminant concentrations exceeded residential regulatory cleanup criteria but did not require remediation to comply with regulatory orders. Thus, an Activity and Use Limitation (AUL) was implemented to benefit the new property owner for the intended site use.

Allen J. Mank, PE

Wetland Delineation, Restoration, & Permitting
Pollution Prevention/Stormwater Abatement
Real Estate Development Support

Background

2010-Present
Project Manager
Weston & Sampson

2007-2008
Senior Project Manager
RWA, Inc.

2001-2007
Project Manager, Associate
Johnson Engineering, Inc.

1997-2001
Project Manager
Wilson Miller, Inc.

1996
Senior Project Engineer
LBFH, Inc.

1992-1996
Project Engineer
Avalon Engineering, Inc.

1988-1992
Project Engineer
Hole Montes & Associates, Inc.

Education

1987
Bachelor of Science in Civil Engineering
University of Florida

Professional Registration

Professional Engineer
Florida No. 45937

Professional Affiliations

American Society of Civil Engineers, Southwest Florida Chapter

Florida Engineering Society, Calusa Chapter

National Society of Professional Engineers, Region 6

Experience

Mr. Mank has over 22 years of experience in various aspects of civil engineering. He has extensive experience in water management, site planning, water and wastewater utilities, and roadway design for commercial, municipal and residential developments. Mr. Mank has achieved successful completion of numerous water management and wastewater system master planning for multi-use development projects, from initial engineering design to the supervision of plans preparation, permitting and construction. Throughout his career, he has developed a comprehensive background in civil engineering project management - including proposal writing and negotiation, budget estimation, coordination of project team members, and directing the engineering design, permitting and project certification activities.

Specific Project Experience

Verandah, Lee County, Florida - Project Manager for this 1,456 acre mixed-use planned development consisting of 1,700 multi- and single-family dwelling units; two 18-hole golf courses; private amenity facilities and 25 acres of commercial retail use; Responsibilities included: design, permitting, construction observation and project certification of potable water, wastewater, irrigation utilities and roadways; coordinating environmental and archaeological sub-constultant activities; provided engineer of record reports to Verandah Community Development District; directed master planning of community potable water, reuse water and wastewater systems; filed NPDES permit applications and completed associated stormwater pollution prevention plans; participated in NPDES project audit.

Shadow Wood Preserve: 445 acre mixed-use planned development containing approximately 400 acres of developable area for residential and office use, along with an 18-hole golf course with private club in Lee Country, Florida. Project Manager for project observation and inspection for water management and golf course construction. Completed excavation and fill calculations for project elevation requirements required by FEMA flood plain designation. Directed design of potable water, wastewater and irrigation service utilities and roadways for residential tracts and golf club (totaling 68 acres and 133 single family units and golf club amenity buildings. Coordinated environmental and archaeological sub-consultant activities for permitting and construction. Responsible for NPDES permitting and completed associated stormwater pollution prevention plans.

The Brooks Phase I, Lee County, Florida - project engineer for the initial 720 acre phase of a mixed-use planned development DRI. Completed environmental resource permitting with the South Florida Water Management District (SFWMD) and coordination with the Army Corps of Engineers. Responsibilities included stormwater management system modeling and preparation of permitting plans and reports to the SFWMD.

The Brooks Phase II, Lee County, Florida - project engineer for amending the conceptual permit and issuance of an environmental resource permit with the South Florida Water Management District (SFWMD) for 851.5 acres of a mixed-use DRI. Also required coordination with environmental consultant for modification of the project's Army Corp permit. Responsibilities included stormwater management modeling and design of project's internal natural systems flow ways and auxiliary outfalls.

The Regent at Health Park, Lee County, FL – directed and performed site plan layout and design for 90+ unit Adult Living Facility (ALF) on 2.95 acre site in medical office park. Professional services included feasibility/due diligence study, clarification of zoning stipulations with county staff, and site plan design (layout, water management, access connection, utility connections and landscaping).

Fort Myers Beach Library Expansion, Ft. Myers Beach, FL – master planning and due diligence services for ±10,000 sq.ft. library expansion with accessory parking garage on 1.25 acre site; services also included an assessment of building code changes due to a revised FEMA flood zone designation of V/VE to the site.

Shadow Wood Country Club, Lee County, Florida - project engineer for site engineering and design of 30,000 square foot club building; 25,000 square foot auxiliary amenity buildings, and ±-35,000 square foot golf course maintenance and equipment storage buildings. Responsibilities included water management and NPDES permitting, utility permitting, preparation of construction plans and bidding documents, construction inspection and Lee County Development Order approval.

Village Walk-Phase IV, Lee County, FL –supervised engineering plans production for revised development phase of a residential development, focusing on the re-design of 2,500 LF of force main with one lift station and approximately 2,000 of potable water main with sub-aqueous crossings serving approximately 275 residential units.

Rattlesnake Hammock, Collier County, FL – supervised the engineering and site plan design for a 19 acre commercial retail project; services included master planning and permitting of the water management system; potable water and wastewater utilities—including lift station, aerial canal crossing and directional bore; site access connections to county arterial roadways with intersection improvements and two span-bridge canal crossings (one for future county arterial roadway extension) and the requisite right-of-way applications to the South Florida Water Management District Big Cypress Basin for construction.

EMS Facility at Page Field, Lee County, FL – directed site plan design and permitting of a 2.7 acre project containing a 15,900 sq.ft. building and ancillary facilities for EMS helicopters, long-range emergency transports and living quarters for EMS personnel

Ginger Pointe and Idlewilde at The Brooks, Lee County, Florida - project engineer for permitting and construction certification for 53- and 58-lot single-family subdivisions along with a 1,900 linear feet of roadway extension. Responsibilities included utility permitting, Lee County Development Order approval, and construction certification.

Shadow Wood at The Brooks, Lee County, Florida - project engineer for permitting and construction of residential single-family and multi-family parcels for the Shadow Wood section of The Brooks DRI. All phases included water management, water, wastewater and reuse water utilities, environmental permitting and county development order approvals together with construction inspection and project certifications totaling approximately 130 acres of single and multi-family land use.

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Licensee Details

Licensee Information	
Name:	**MANK, ALLEN JAMESON** (Primary Name)
	(DBA Name)
Main Address:	**5592 COGNAC DRIVE** **FORT MYERS Florida 33919**
County:	**LEE**
License Mailing:	
LicenseLocation:	

License Information	
License Type:	**Professional Engineer**
Rank:	**Prof Engineer**
License Number:	**45937**
Status:	**Current,Active**
Licensure Date:	**08/12/1992**
Expires:	**02/28/2015**

Special Qualifications	Qualification Effective

David Wright

Industrial Hygiene/Hazardous Materials

Background

2010-Present
Health and Safety Manager
Weston & Sampson

2006-2010
Safety Director
The Lopes Companies

2002-2006
Regional Safety and Human Resources Manager
Casella Waste Management

1999-2002
Division Safety Manager
Waste Management Inc.

1995-1999
District Safety and Human Resources Manager
Browning Ferris Industries

Certifications

OSHA Authorized General Industry Trainer

OSHA Authorized Construction Trainer

Fall Protection Trainer

Confined Space Trainer

Bloodborne Pathogen Trainer

HAZWOPER Trainer

Hazard Communication Trainer

Drug and Alcohol Program Management

Smith System Defensive Driver Trainer

Powered Industrial Truck Trainer

EPA Spill Response Trainer

FMCSR Trainer

Bell Leadership Training

Reasonable Suspicion Training

Highway Watch Trainer

Experience

Mr. Wright is the Health and Safety Manager for Weston & Sampson and is responsible for the overall compliance with the Occupational Safety and Health Administration (OSHA) and other applicable safety regulations on job sites. With over 15 years experience, Mr. Wright is recognized for developing and maintaining a world class safety culture. He is skilled in training, committed to a team effort of safety, and has a zero tolerance for accident, injuries and safety failures.

Qualifications and Related Experience

Mr. Wright has held a variety of positions in the environmental and safety field for more than 15 years, providing expertise in the following areas:

- Environmental Health & Safety Program Development
- Safety & Environmental Training
- Safety, Service and Sales Incentive Programs
- Record Setting Reductions
- Fiscal Management
- Loss Prevention Initiatives
- Motivation Training
- Cost Control Strategies
- Advanced Technical Knowledge
- Claims Management

As Safety Director at The Lopes Companies, Mr. Wright was responsible for the training, supervision, and motivation of senior management, supervisors, foreman and employees in all aspects of health and safety. These included OSHA General Industry and Construction, MSHA, and DOT training and compliance. Mr. Wright helped create and enhance a company safety culture which achieved a 1 Million Hours Without a Loss of Time Injury award.

As Region Safety and Human Resources Manager for Casella Waste Management, Mr. Wright was responsible for the training, supervision, and motivation of the management at 54 individual locations in three states in the daily development of a "world class" safety culture and compliance with all OSHA (both General Industry & Construction) and DOT compliance. Key accomplishments included:

- Implementation of a route recognition program to reduce and eliminate work related injuries and accidents before they occur by identifying deficiencies, which resulted in a 52% reduction in claims and a reduction of 47% in costs
- Developing a slip, trip, and fall program to reduce winter related slips and falls which virtually eliminated this type of injury which previously cost the company over $400,000 a year in claims
- Instituting a defensive driving program that helped reduce auto accidents, including backing claims, by over 50%
- Eliminating landfill gas exposure by introduction of proper excavation techniques

As Division Safety Manager for Waste Management, Mr. Wright was responsible for the hiring, training, supervision, and motivation of safety of over 430 employees at six sites. Key accomplishments included:

- Decreasing the overall expense of safety equipment by proper training, implementations of effective engineering principles, and establishing fixed pricing of safety supplies through bidding process of competing competitors, which resulted in an overall reduction in safety operating costs by 80%
- Implementing a job observation program to find and eliminate accidents and injuries before they occurred and increased the overall training of defensive driving that resulted in an overall reduction by 72% of accidents and a 69% decrease in large loss injuries
- Managing each case to minimize the overall cost of the claims and instituting a modified duty program for all injured employees that resulted in a 54% reduction in claims costs

As District Safety and Human Resources Manager, for Browning Ferris Industries, Mr. Wright was responsible for the hiring, training, motivating over 100 employees at three sites. He managed the daily human resource issues and process the weekly payroll for all employees, ensured that all employees were properly trained, and ensured that each site was in compliance with OSHA, EPA, and DOT regulations. Key accomplishments included:

- Establishing a safety-training program in each of the three sites that resulted in an overall reduction in claims and injures by 100% for 1.5 years
- Instituting a DOT files program to ensure compliance with all DOT regulations
- Implementing a facility audit program to ensure compliance with all OSHA and EPA regulations

Michael Skroski, CEM

Industrial Hygiene/Hazardous Materials

Background

2011-Present
Engineer
Weston & Sampson

2009-2011
Independent Consultant
Renewable Energy
Consulting & Solutions

2008-2009
VP Development Engineering
One Planet Energy

2007-2008
Project Development Engineer
Honeywell

2000-2007
Senior Sales Engineer
Northern Power Systems

1997-2000
Special Projects Engineer - Energy
Killington Ltd/
American Skiing Co.

1991-1997
Commercial Field
Services Engineer
Central Vermont Public
Services Corp.

Education

1986
Bachelor of Science
Mechanical Engineering
University of Massachusetts

Professional Certification

Association of Energy Engineers
Certified Energy Manager #19678

Experience

Mr. Skroski has over 23 years of engineering experience in energy conservation and power distribution and 13 years in renewable energy project development. His most recent projects have concentrated on biomass and waste gasification, ORC-Heat Recovery, and large PV evaluation and development.

As sole proprietor of Renewable Energy Consulting and Solutions, Mr. Skroski drew upon years of experience in energy distribution, conservation, and production for opportunity-fuel and renewable projects. His clients included developers, technology providers, and EPC firms with whom he pursued opportunities for evaluating multi megawatt PV systems, gasification and pyrolytic conversion, Organic Rankin Cycle, anaerobic digestion, and synthetic fuel production technologies in the United States, Mexico, Canada, Jamaica, Tahiti, Russia, Bulgaria, Poland, Slovakia, Ukraine, and the United Kingdom.

Specific Project Experience

While at Honeywell Building Systems, developed and evaluated solutions for energy conservation, focusing on renewable and opportunity-fueled projects, including RECS and carbon offset evaluation. Clients included municipalities, higher education, and industrial applications. Technologies evaluated included solar PV, heating (air and water) small and large wind, biomass gasification, methane from digesters and land fill utilization for power generation and materials drying, GSHP, and waste heat utilization. Responsibilities included technology and peer review, proposal writing, measure assessment and reporting, site evaluation, and customer presentations.

During his seven year tenure at Northern Power, Mr. Skroski established corporate market focus for opportunity-fuel and renewable projects focusing on waste-to-energy technologies, and launched a corporate move to alternative fueled opportunities focusing on pyrolysis conversion technology utilizing a variety of feedstock from paper fibers, manures, tires, municipal sludge, and MSW to produce process steam or electricity, solving waste disposal issues and reduce disposal and energy costs. His work involved:

- Anaerobic digestion utilizing feedstock of chicken and dairy manure, and food and process waste to produce methane for power generation behind and ahead of meter and for process gas needs
- Gasification and liquid Syn-Fuel production utilizing almost any carbon-based feedstock in gasifiers and slurry, POM reactors, or Fischer-Tropps synthetic fuel converters.
- Wood/biomass gasification for process steam/electric and direct use of syngas in generators.
- Waste stream recovery utilizing H2, oils, and/or waste heat to generate steam or electric power identifying appropriate technology for best return on investment emissions and permitting ease

Mr. Skroski is named on two patent applications: AC/DC power converter that allows multiple services to be fed from a single generation source and allows safe interconnection to the most stringent utility requirements; and pyrolysis energy conversion method that maximizes the performance of a waste-to-energy process by using the methane from an anaerobic digester to fuel the pyrolysis unit.

Previous to his seven years at Northern Power Systems, Mr. Skroski spent eight years as a distribution engineer and energy auditor for Vermont's largest electric utility.

Marie Guiles

Industrial Hygiene/Hazardous Materials

Background

2013-Present
Risk Assessment Specialist
Consultant
Weston & Sampson

2007-2013
Risk Assessment Specialist
Consultant
Guiles Risk Assessment Services, LLC

2006-2007
Senior Risk Assessor
CarriageHouse Consulting, Inc.

2004-2006
Risk Assessment Manager
AMEX Earth & Environmental
Limited

2000-2004
Risk Assessment Department Head
Geologic Services Corporation

1994-2000
Rise Assessment Specialist/Scientist
GZA GeoEnvironmental

Education

1994
Bachelor of Science
Toxicology
Northeastern University

Experience

Ms. Guiles has over 18 years experience in environmental consulting. In 2007, Ms. Guiles started Guiles Risk Assessment Services, LLC, to provide her risk assessment, regulatory, and toxicological expertise to clients in the environmental consulting field. For the past 18 years, she has managed and conducted human health risk assessments at state regulated sites (primarily in Massachusetts, but also throughout New England, Ohio, New York, and other states), CERCLA and RCRA hazardous waste sites. She has performed risk assessments of petroleum refineries, former manufactured gas plants, operating industrial facilities, landfills, and various petroleum and chlorinated solvent spill sites. In addition, she has derived risk-based clean-up criteria for numerous sites and is experienced in providing recommendations for deed restrictions.

Ms. Guiles continues to maintain her risk assessment expertise through her involvement with the Licensed Site Professional Association (LSPA). She is also a founding member of the Town of Stow, MA Energy Working Group; a volunteer group that is in the process of performing energy audits of the Town of Stow's public buildings. The Group's goals are to decrease the Town of Stow's dependence on foreign oil by decreasing energy use and raise awareness of Stow citizens about environmental issues.

Prior to graduation from Northeastern University in 1994, Ms. Guiles worked as an assistant toxicologist at Hampshire Chemical Corporation in Lexington, MA creating risk-based toxicity values, preparing toxicity information for various compounds, and writing Material Safety Data Sheets. She also worked at Occidental Chemical Corporation in Niagara Falls, NY in 1993 where Ms. Guiles worked on the TSCA 8e Compliance Audit Program and created internal occupational toxicity standards for Occidental's Specialty Chemicals Line.

Ms. Guiles has been involved with numerous risk assessments conducted under federal programs, the Massachusetts Contingency Plan (MCP) and risk assessments conducted for other state-lead programs. These include baseline risk assessments, derivation of risk-based clean-up levels, risk assessments to evaluate the effectiveness of remedial actions, development of risk-based sampling plans for site investigations, and risk calculations in support of deed restrictions.

Specific Project Experience

Risk Assessment and Environmental Work performed while at Guiles Risk Assessment Services, LLC:

Scrap Metal Facility, Clinton, MA
Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with MCP. Estimated noncancer risks for employees and construction workers exceeded MADEP Risk Limits and clean up values were calculated for lead, arsenic and polychlorinated biphenyls (PCBs) present on the property in soil, groundwater, sediment and surface water. Major constitutes of potential concern (COPC) at the site included lead, arsenic, zinc and other metals, petroleum, and RCB's associated with the current and former use of the site as a scrap metal reclamation facility. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. A number of potential receptors were quantitatively evaluated including employees that work on the property, local residents/trespassers, and construction/utility workers. In a separate evaluation for the same Site, Ms. Guiles prepared an Imminent Hazard Evaluation based on detections of lead in surface soil on

neighboring residential properties. This project is on-going and Ms. Guiles continues to provide her experience during the current clean up and lead stabilization activities being performed at this site.

Gasoline Tanker Overturn and Resulting Fire, Everett, MA
Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with the MCP and prepared the data validation report for the large data set (over 300 soil, groundwater, sediment, surface water, and soil vapor samples) at the Site. Noncancer and cancer health risks were estimated for multiple construction workers assumed to be exposed to soil, groundwater and soil vapor in various areas of the subject site as well as local resident that may walk through the site area. Environmental concerns were addressed with a Stage 1 ecological risk assessment. The gasoline release affected sediment and surface water of the near-by Malden River. Major constituents of potential concern (COPC) at the site included gasoline constituents associated with the release that occurred when the tanker truck overturned at a rotary resulting in a fire that burned down several residential apartment buildings in the area. Based on the Risk Characterization, this Site was closed with a response action outcome (ROA) A-2.

Former Metal Plating Facility, Attleboro, MA
Managed and prepared a Method 3 human health and ecological assessment that was completed in accordance with the MCP. Due to the concentrations of chlorinated volatile organic compounds (VOCs) detected in indoor air of the on-site building, an Imminent Hazard was also performed. Major constituents of potential concern (COPC) at the site included chlorinated VOCs associated with the former used of the site as a metal plating facility. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. The revised unit risk toxicity values were incorporated into the risk calculations. A number of potential receptors were quantitatively evaluated including employees that work on the property and construction/utility workers. Potential risks to employees working in the three down-gradient buildings were also evaluated. Employee exposures included exposures to indoor air via inhalation. Ms. Guiles prepared the language for the AUL that was submitted in conjunction with this report. Multiple updates to this risk characterization were prepared as new indoor air data was collected and toxicity values for chlorinated VOCs changed. Closure with a Class A-3 RAO was achieved in May 2011.

Former Jewelry Manufacturing Facility, Attleboro, MA
Managed and prepared a Method 3 human health and ecological assessment and an Imminent Hazard assessment that were completed in accordance with the MCP. Major constitutes of potential concern (COPC) at the site included chlorinated VOCs, metals and cyanide associated with the former use of the site as a jewelry manufacturing facility. Ms. Guiles evaluated potential exposure pathways using site-specific exposure assumptions and variables. The revised unit risk toxicity values were incorporated into the risk calculations. Potential receptors that were quantitatively evaluated included employees that work on the property and construction/utility workers. Potential risks to residents in down-gradient buildings were also evaluated. Employee and off-site residential exposures included exposures to indoor air via inhalation. Ms. Guiles prepared the language for the AUL that was submitted in conjunction with this report. Multiple updates to this risk characterization were prepared as new indoor air data was collected and toxicity values for chlorinated VOCs changed. Closure with a Class A-3 RAO was achieved in November 2011.

Brian J. McCormack, PE

Industrial Hygiene/Hazardous Materials
UST Site Services

Background

2013-Present
Team Leader
Weston & Sampson

2009-2012
Project Manager
Weston & Sampson

2003-2009
Senior Engineer
Weston & Sampson

1999-2003
Engineer
Weston & Sampson

1997-1998
Engineer
Joseph Murphy
Structural Engineers, Ltd.

Education

1999
Master of Science
Civil Engineering
Northeastern University

1996
Bachelor of Science
Engineering
Dublin Institute of Technology

Professional Registration

Professional Engineer:
Massachusetts (Environmental)
No. 47895

Presentations & Publications

McCormack, B. "Cleaning up the Coal Plant: A Case Study in Abatement and Demolition Debris Management" Presented at the 29th International Conference on Soils, Sediments, Water, and Energy - University of Massachusetts Amherst, MA.

McCormack, B. "Clean and Green: Carbon Footprint Analysis for Three MGP Site Remediation Alternatives" Presented at the 27th International Conference on Soils, Sediments, Water and Energy - University of Massachusetts Amherst, MA.

McCormack, B. "Dual Phase Extraction Well Installation for Optimal Product Recovery in a Complex Stratigraphy," Presented at the 22nd International Conference on Soils, Sediments, Water and Energy - University of Massachusetts Amherst, MA.

Experience

Mr. McCormack is a senior engineer in our Environmental Science and Site Engineering group with over 15 years of experience. He has experience in a wide range of civil and environmental engineering projects.

Specific Project Experience

Project Manager for design of petroleum-impacted sediment dredging in the Charles River as part of Weston & Sampson's work at the former Medfield State Hospital on behalf of the Division of Capital Asset and Maintenance (DCAMM).

Project Engineer for a Carbon Footprint Analysis performed for three remedial alternatives at a coal tar-impacted sediment remediation site in Keene, New Hampshire. The selected remedial approach involved excavation of impacted sediment from a drainage creek and treatment of the material at an off-site thermal desorption facility. Fossil fuel usage inputs were calculated for operation of on-site excavation equipment, dewatering pumps, transportation of excavated material and clean backfill, site personnel transportation, as well as natural gas usage associated with the off-site thermal desorption process. After calculating the carbon emissions for the selected approach, carbon emissions for two alternative remedial approaches (in-situ chemical oxidation and in-situ thermal desorption) were evaluated along with the associated implementation costs, so that a comparison could be made between the alternatives. Results of the footprint analyses and the comparison between alternatives were presented at the 2011 International Conference on Soils, Sediments, Water and Energy at the University of Massachusetts, Amherst.

Environmental engineer for the development of the Blackburn Industrial Park in Gloucester, Massachusetts. Responsible for stormwater management designs.

Environmental engineer for the Magolia Woods landfill in Gloucester, Massachusetts. Responsible for capping design and design of post-closure reuse options for recreation facility.

Responsible for the project management and engineering of building deconstruction/demolition, hazardous material abatement, and site remediation contracts for the following projects under the EPA's Brownfield clean-up program:

- Former 56,000 square-foot Chapman Valve - Pinevale Street manufacturing facility in Springfield, Massachusetts
- Former 135,000 square-foot Chapman Valve - Goodwin Street manufacturing facility in Springfield, Massachusetts (included underground storage tank removal and asbestos-contaminated soil disposal)
- Former apartment building in Woburn, Massachusetts
- Former Westborough State Hospital campus buildings in Westborough, Massachusetts
- Former University of Massachusetts – Lowell West Campus teaching and administration buildings in Chelmsford, Massachusetts
- Former Tewksbury State Hospital residence buildings and wastewater treatment facility in Tewksbury, Massachusetts

McCormack, B. "Keeping the Buses Moving: Remedial Design Constraints at an Active Facility," Presented at the 21st International Conference on Soils, Sediments, Water and Energy - University of Massachusetts Amherst, MA.

- Municipal Wastewater Treatment Facility Operations Building in Newburyport, Massachusetts
- Former 45,000 square-foot Reeves Elementary School in Woburn, Massachusetts
- Former South Main Street School in Monson, Massachusetts (included excavation, stabilization, and disposal of lead-contaminated soil and remediation of VOC-contaminated groundwater)
- Former Connors Pool Bath-house and MDC Laboratory Building in Waltham, Massachusetts
- Former Frederick Murphy Federal Center in Waltham, Massachusetts
- Former 34,000 square foot Aerofab manufacturing facility in Sanford, Maine
- Former Cascade Woolen Mill in Oakland, Maine

Responsible for the project management of a building demolition and asbestos abatement contract at a former elementary school in Woburn, Massachusetts. Project responsibilities included preparation of contract bid documents and cost estimates, management of client relationship, oversight of contractor activities, administration of contract, and coordination with regulators on environmental compliance issues. Project was completed on budget and project completion dates were met per client requirements.

Project Engineer for remediation design of a Massachusetts Bay Transporation Authority (MBTA) bus garage in Boston where more than five feet of floating petroleum was detected in the source area and was observed floating into a large stormwater pump station. The remediation technology used included multi-phase extraction systems for free product contaminated groundwater and soil vapor. Responsibilities included preparation for approval of all project permits including USEPA Remediation General Permit, MassHighway Access Permit, MassPike Authority Permit, Boston Water and Sewer Commission Utility Connection Permit, and Department of Public Safety Building Permit for a high hazard treatment building, with all permits being obtained. Currently fulfilling a managerial/advisory role for the client in oversight of system construction and operation, coordination with regulators on environmental compliance issues, and review of system discharge compliance submittals.

Project Engineer for a $1.7 million groundwater remediation system at a MBTA bus garage in Lynn, Massachusetts. The project included assessment to assess the extent of contamination and design of a dual-phase recovery system. System components include groundwater depression and a multi-phase extraction system with oil/air/water separation, carbon filtration, and catalytic oxidation. Design was completed on budget and all project deliverable dates were met. Currently responsible for system discharge compliance reporting, per the Massachusetts Contingency Plan.

Responsible for the preparation of contract bid documents and cost estimates for the demolition of a 135,000 square-foot former manufacturing facility in Springfield, Massachusetts. Project work includes abatement of asbestos and removal of underground storage tanks. Contract documents were completed on budget and all project deliverable dates were met. Responsible for assisting the client in contract bidding, bid review, and bid award procedures. Currently responsible for construction oversight and administration.

Responsible for the design of a 750 ton per day solid waste processing and transfer facility for a private waste company. Responsible for the preparation of environmental reports including a facility Spill Prevention, Control, and Countermeasure (SPCC), a facility Stormwater Pollution Prevention Plan (SWPPP), and technical memoranda on leachability of processed recyclable materials, noise generation and attenuation, and a groundwater quality assessment of the site study area.

James R. Fair, PE

UST Site Services

Background

2003-Present
Project Manager
Weston & Sampson

2001-2003
Senior Engineer
Weston & Sampson

2000-2001
Engineer
Lynnfield Engineering, Inc.

1998-2000
Engineer
Whitman, Requardt and Associates, LLP

1995-1998
U.S. Army Corps of Engineers
Aberdeen Proving Grounds, Maryland

Education

1994
Master of Science
Civil Engineering
Clarkson University

1992
Bachelor of Science
Civil/Environmental Engineering
Clarkson University

Professional Registration

Professional Engineer:
Massachusetts No. 46434
Maryland No. 23439

Professional Training

10-Hour OSHA Construction Safety Training

EPA Certified Third-Party Inspector

Experience

Mr. Fair is an EPA Certified Third-Party Inspector with over 16 years of environmental engineering experience. He has provided engineering services on numerous environmental assessment and remediation projects including system testing, repair, design, and construction for storage tank projects.

Specific Project Experience

Design and Oversight of Vehicle Fueling System, Lexington, Massachusetts. Weston & Sampson designed a vehicle fueling system for the Town of Lexington, including two 10,000 gallon double walled USTs with interstitial monitoring, fill port spill containment, double-walled fiberglass reinforced piping, and double-walled dispenser sumps with continuous electronic leak detection. The tank, pipe, and sump monitoring was accomplished with the most current technologies using one monitoring control panel connected to the building fire alarm system and programmed to notify key personnel in the event of a spill or leak. The system was designed to be bio-fuel compliant and to provide flexibility in the use of biodiesel and ethanol blended fuels. Work also included installation of a Veeder Root fuel management system to track the fuel usage of each vehicle and employee; third party inspection on the fueling system; Stage II vapor recovery system design, construction, and testing; and training on how to operate and inspect the system in accordance with state and federal requirements and the manufacturer's recommendations.

Design of Vehicle Fueling System, Springfield, Massachusetts. Designed a vehicle fueling system for the Springfield Water and Sewer Commission that includes two 10,000 gallon double-walled underground storage tanks with interstitial monitoring, fill port spill containment, double-walled fiberglass reinforced piping, and double-walled dispenser sumps with continuous electronic leak detection. The system is designed to be bio-fuel compliant and to provide flexibility in the use of biodiesel and ethanol blended fuels.

Fuel Design and Construction, Bank of America, Malden, Massachusetts. For the Bank of America Facility in Malden, assessed and inspected two 10,000 gallon diesel USTs used to power back-up generators. Work included providing regulatory guidance on bringing the system into regulatory compliance and improving fuel quality. Following detailed site inspections, it was determined that the fill port for the system was leaking and did not have the proper overflow protection. As a result, water leaking into the tank promoted the growth of bacteria, which was clogging the fuel filters. Following bacterial testing of the fuel, Weston & Sampson implemented anti-bacterial treatment and fuel filtering methods that were able to restore the fuel quality to normal parameters, allowing the fuel to be used and saving the client over $40,000 in fuel replacement costs. Following construction, we trained the owner on how to periodically inspect and test the fuel along with the tank monitoring and pumping systems to prevent similar problems in the future.

Fuel Design and Construction, Bank of America, East Hartford, Connecticut. For the Bank of America in East Hartford, Connecticut, completed a project that involved the removal and replacement of a 15,000-gallon UST used to store diesel fuel for back-up power generators. Replacement of the tank was critical as the building served as a check processing facility and they could not afford to be without power in an emergency. We designed a temporary fuel storage and pumping facility that was used during the UST

removal and replacement. To save time and minimize costs, the existing fuel pumps were used to integrate the temporary fuel storage tank with the existing generator's fueling system. Both the temporary and new fuel systems were rigorously tested prior to being put into service. Work also included the inspection and testing of the Veeder Root system along with training the owner on how to use the system.

Bradley International Airport Site UST Removal and AST Installation, Windsor Locks, Connecticut, US DOT / RSPA / Volpe Center. Multi-million dollar contract for the Department of Transportation (DOT) and the Federal Aviation Administration (FAA) to conduct site assessment and remediation at selected sites in the Eastern United States. Under this contract, provided UST removal and AST installation services at the Bradley International Airport in Windsor Locks, Connecticut. These services were provided in an expedited manner for a 1,000-gallon UST at the Bradley Field radar site, as the UST was found to be settling. UST removal activities included a temporary relocation of a heat exchanger and load bank, soil excavation, fill and vent line removal, vacuuming of residual fuel and sludges, tank cleaning and inerting, and dewatering. AST installation activities included installation of a precast concrete pad, placement of a 1,000-gallon ArmorCast diesel fuel AST on top of the new precast pad, and installation of supply and return fuel lines and valves.

Project Manager for rehabilitation at a leachate collection and recirculation system at the Spectacle Island Landfill. Issues include hydrogeologic calculations, design of a recirculation system, and geochemical studies.

Project Manager for the Former Cranch Hill Water Tank Site (RTN 3-22160). This project involved the assessment and capping of lead-contaminated soils. Work included the preparation of a Phase I Initial Site Investigation, a Release Abatement Measure (RAM), and a Phase III Remedial Action Plan, along with remediation of the site and preparation of site closure documentation, including an Activity and Use Limitation (AUL). The site was remediated by constructing a soil cap over lead-contaminated areas, preventing contact with contaminated soils.

Project Manager for the Pemberton Park Site (RTN 3-22316). The project involved the assessment and remediation of soil contaminated with cadmium at a site located adjacent to the Merrimack River in Lawrence. Work included the preparation of a Phase I Initial Site Investigation and a RAM. Following assessment of the site, cadmium-contaminated soils were removed and disposed in accordance with state and federal regulations during construction of the site into a riverside park for public use.

Project Manager for the Former Gurnard Manufacturing Site (RTN 3-19540). This project involved the assessment and remediation of soil and groundwater contaminated with petroleum-based cutting oils. Work included the preparation of a RAM, soil and groundwater sampling to identify the extent of contamination, and removal and disposal of contaminated soil and groundwater in accordance with state and federal regulations. Work also included the remediation of ACM located within a manufacturing building, followed by the demolition and disposal/recycling of building materials in accordance with state and federal regulations. Site closure allowed the property to be developed into a storage facility.

Project Manager for the evaluation of aboveground and underground storage tanks (ASTs/USTs) for the City of Worcester to assess compliance with the SPCC Plan and other oil pollution prevention regulations. The project involves performing assessments at 75 public facilities, including 35 public schools, fire departments, and Department of Public Works (DPW) facilities.

Samuele Quattrini, PG

UST Site Services

Background

2011-Present
Geologist II
Weston & Sampson

2009-2011
Geologist
Weston & Sampson

2005-2008
Geologist / Hydrogeologist
ENSR| AECOM
Milan, Italy

2005
Field Project Specialist
Water & Soil Remediation
Mantua, Italy

2005
Internship
Foster & Wheeler
Milan, Italy

2004-2005
Geotechnical Scientist
GeoConsult
Rome, Italy

2003-2004
Geologist
Georeflex
Piacenza, Italy

Education

2004
Master of Science &
Bachelor of Science
Geology
University of Parma

Professional Certification

Professional Geologist
New Hampshire #00824

Understanding Massachusetts
Contingency Plan (MGL 21e)
University of Massachusetts, Lowell

10 Hour OSHA Construction
Safety & Health

Hazwoper 8 Hour OSHA Course
Refresh

Hazwoper 40 Hour OSHA Course

European Groundwater Remediation
Seminar "Site Remediation using
chemical oxidation & enhanced
bioremediation: methods, applications
& strategies"

Emilia Romagna Geologist Order, Italy

Experience

Mr. Quattrini has a Master of Science in Technical Geology and performed his thesis on the seismic risk evaluation for the development of industrial areas. He has two years of experience in geotechnical and geophysical field in the evaluation of soil and construction materials. Thereafter, Mr. Quattrini spent three years as environmental geologist on contaminated sites projects. He acquired and consolidated his experience with media sampling techniques, NAPL issues and investigation, and site remediation techniques.

Mr. Quattrini is a project geologist at Weston & Sampson involved in soil, gas, and groundwater sampling at various landfills and contaminated sites throughout New England. He is also responsible for data evaluation at a petroleum site in support of expert testimony. Mr. Quattrini has reviewed and analyzed data and provided support graphics. His experience includes performing underground storage tank (UST) and underground gasoline/diesel gas pipe removal; supervised drilling activities; monitored well installation; collected and preserved soil, groundwater, and light non-aqueous phase liquids (LNAPL) samples; and operated environmental monitoring equipment. He has also installed and managed the installation, operation, and maintenance of pump and treat systems and overseen the installation of air-sparging, soil vapor extraction, and bio-venting wells.

In addition, Mr. Quattrini is experienced with remediation and feasibility design utilizing various technologies to include excavation of contaminated soils, land farming, bio-pile, pump and treat systems, multi-phase extraction, and oxygen release compounds. As part of this work, he prepared and presented technical reports to both clients and regulators. Mr. Quattrini also prepared technical approaches for commercial proposals involving the reclamation of polluted Superfund sites where he explained and proposed the most cost-effective solutions.

With regard to quality assurance and quality control (QA/QC), Mr. Quattrini has overseen construction sites operations for railways, landfill gas extraction systems, site redevelopment, and gas stations piping and UST demolition and rebuilding.

Specific Project Experience

Site Restoration – Tillson Coal Pile Facility, University of Massachusetts - Amherst
Mr. Quattrini participated in the remediation design for the former Coal Storage facility located at the UMass Amherst Campus. The project included design of stormwater management measures and site grading for future use as an electrical substation. The design included backfilling of an existing wastewater equalization basin with recycled backfill materials available on site to be capped under bituminous concrete. Mr. Quattrini prepared plans and technical specifications to be included in the bid documents.

City of Revere, Massachusetts. Geologist for Phase II Environmental Site Assessment for site redevelopment of The Water Front Square Project. Performed the site investigations activities that included soil borings, well installation, soil sampling and classification, low flow groundwater sampling, elevation survey, groundwater map contour, and final report for five parcel of land on Ocean Avenue.

Environmental Services - Ferdinand Building – Boston, Massachusetts: Mr. Quattrini performed a series of preliminary environmental site investigations at the former Ferdinand Building located in Boston, MA. The building was to be demolished and be replaced with a new building serving as community center. Mr. Quattrini performed soil sampling, monitoring wells installation, sub-slab gas probes installation, soil gas wells installation, soil gas sampling with time-weighted canisters, groundwater sampling, and Membrane Interface Probes (MIP) investigations. During construction Mr. Quattrini performed oversight on soil excavation and off-site soil disposal.

Hazardous Substance in Bulk Material - Former Solo/Fonda Container Facility – St. Albans, Vermont: Mr. Quattrini performed the sampling of PCB in building materials of the former Solo/ Fonda Container Facility located in St. Albans, VT. The work included an extensive collection of samples from walls and floors that were coated with paint containing PCBs. The PCB content was to be determined for material disposal differentiation before demolition of the facility.

Millers Falls Papermill Facility Erving, Massachusetts. Geologist during Phase II Environmental Site Assessment Quality Assurance Project Plan for site redevelopment. Responsible for evaluation and addressing Recognized Environmental Conditions identified in the Phase I ESA. Responsibilities included soil sampling from test pits and soil borings, well installation, groundwater elevation survey, surface water sampling, data review, and development of the site conceptual model with data evaluation for contaminated soil removal action and preliminary risk assessment.

Millers Falls Papermill Facility Erving, Massachusetts. Geologist for Phase I Environmental Site Assessment of the Millers Falls Papermill Facility in Erving. Responsible for conduction the scope of work which included the review of an environmental database search, town and local files, and site reconnaissance to observe environmental conditions on site and in surrounding properties. Mr. Quattrini was responsible for collecting all the information in the Phase I Environmental Site Assessment report.

Former Modern Electrical Plate Remediation Project, Boston, Massachusetts. Responsible for overseen test pits, sampling and management of contaminated soil. Also performed contaminated soil stockpile sampling and groundwater sampling.

Bow Recycling Center, Bow, NH. Geologist: Mr. Quattrini performed the field work for the evaluation of the groundwater quality near the Bow Aquifer for the Bow Recycling Center facility located at River Road in Bow, NH. The job performed involved well drillings oversight, soil classification, SPT evaluation, soil sampling, and well installation.

Waste Management of New Hampshire (WMNH): Worked full-time as resident representative conducting construction quality assurance for the Phase 9 Earthworks Project at WMNH's TLR-III Refuse Disposal Facility located Rochester, New Hampshire. Tasks included: monitoring blasting operation with particular focus on the protection of surface water and groundwater; monitoring excavation and selection of proper backfilling materials; coordination and management of material sampling, management of geotechnical laboratory testing and reporting, and management of on site soil compaction testing; coordination of weekly construction progress meetings and preparation of meeting minutes.

In general, Mr. Quattrini is responsible for monitoring construction contractor's work activities to ensure that the project is completed in accordance to the design specifications and the New Hampshire Department of Environmental Service's Solid Waste Regulation.

James Pearson, PE

Pollution Prevention/Stormwater Abatement

Background

2013-Present
Project Engineer
Weston & Sampson

2011-2013
Project Engineer
RH2 Engineering

2002-2011
Engineering Technician
Thornton Engineering

2001-2002
Engineering Technician
Precision Structural Engineering

Education

2002
Bachelor of Science
Civil Engineering
Oregon Institute of Technology
Magna Cum Laude

Professional Registration

Professional Civil Engineer:
Massachusetts No. 50675
Maine No.13334
New Hampshire No. 14212
Oregon No. 69365
California No. 80272

Professional Affiliations

Boston Society of Civil Engineers Section of the American Society of Engineers (BSCES)

American Water Works Association (AWWA)

New England Water Works Association (NEWWA)

Professional Engineers of Oregon

Experience

Mr. Pearson is a Project Engineer at Weston & Sampson with more than 12 years of experience in design, analysis, and construction for a diverse range of projects, including work involving water distribution systems, sewer pipelines, storm drainage conveyance and treatment systems, site planning and design, and structural and roadway design. Mr. Pearson's skills include computer-aided site/infrastructure design and modeling, hydrology and hydraulic analysis, floodplain modeling, structural modeling, and surveying.

Mr. Pearson has a wide range of project experience, including assisting Department of Public Works (DPW) staff in developing budget estimates for capital improvement projects, performing site inspections, and providing general engineering recommendations for municipal infrastructure maintenance and improvement needs. He has provided design services and project management for a number of public works projects, and is experienced with project bidding and construction engineering support.

Specific Project Experience

Performed site design, drainage calculations, and Best Management Practice (BMP) construction drawings for a stormwater recharge system under MassDEP's Sustainable Water Management Initiative.

Developed drainage and piping layouts for a 2.1 million gallon per day (mgd) water treatment facility in Norton, Massachusetts. Site work included grading and excavation for a 90,000 gallon per day (gpd) infiltration basin.

Performed peer review services for site development plans in conformance with the town's subdivision rules and regulations in Tewksbury, Massachusetts.

Designed stormwater management systems for a DPW facility in Northborough, Massachusetts.

Designed and developed bidding documents for 12 miles of water main in Scituate, Massachusetts.

Developed preliminary system plans for permitting a small water system in Ashby, Massachusetts. The project includes a 10,000 gallon ground storage tank, booster pumps, controls, and piping connections to a bedrock well.

Designed yard piping, site grading, and infiltration system for a one-mgd water treatment plant in Chatham, Massachusetts.

Developed site design plans, drainage plans and calculations, and wetland replication design and grading for the expansion of a private developer's distribution center in Taunton, Massachusetts.

Developed preliminary site plans for a townhouse development, including drainage design and calculations, flood zone mitigation plans, and final development of a permitting plan set in Peabody, Massachusetts.

Developed roadway design plans for an access route to the new Wayland DPW facility. Design included roadway grading, culvert replacement, critter passages, drainage design/calculations, and habitat/wetland mitigation measures in Wayland, Massachusetts.

Project Engineer for a water main replacement project in Ayer, Massachusetts. Under design during the summer of 2013, this project includes replacing over 4,000-feet of 8-inch cast iron water main with a new 16-inch ductile iron water main to improve system redundancy between the town's water supply wells and its reservoir.

Project Engineer/Manager for a water transmission main project in the City of Central Point, Oregon. As the last phase of an overall capital improvement project involving the installation of a new reservoir, a new 16-inch transmission main was designed and installed using open trench excavation methods across a salmon bearing stream. State and federal environmental permitting was completed, and environmental protection measures were sucessfully implemented and monitored. The project received a 2013 Pacific Northwest AWWA award for Best Small Engineering Works Project. Responsibilities included preparing all construction documents, providing bidding services, managing permit compliance, and providing construction administration and monitoring.

Experience with Previous Employer

Project Engineer for a water main relocation project in conjunction with an Interstate highway project in Phoenix, Oregon. Relocated approx. 4,000-feet of asbestos cement and ductile iron water main for the reconstruction of an Interstate Highway Interchange and an adjacent urban roadway system/bridge by the Oregon Department of Transportation. Mr. Pearson prepared all construction documents, coordinated with ODOT/city personnel, and provided documents for inclusion in the overall ODOT bid package.

Project Engineer/Manager for a water main replacement project in Central Point, Oregon, involving upgrading from an existing 4-inch cast iron main located in a major local urban highway to a new 2,000-foot section of 12-inch ductile iron main to meet required fire flow demands. Responsibilities included preparing all construction documents, providing bidding services, and providing construction administration and monitoring. Mr. Pearson also acted as the city's consultant for on-call engineering services.

Project Engineer/Manager for a water main replacement project in the coastal City of Florence, Oregon involving the replacement of over 3,000-feet of aging and undersized Asbestos Cement water main with new 12-inch PVC water main. Responsibilities included preparing all construction documents, presenting at a public outreach meeting, providing bidding services and providing oversight and direction to construction administration and monitoring activities.

Project Engineer/Manager for a complete street/utility reconstruction project in coastal Florence, Oregon including the replacement of water/sewer/stormdrain, paving of 2,400-feet of roadway, and replacing a large water meter and fire backflow assembly serving a port facility. Mr. Pearson prepared construction documents and provided bidding services and construction administration/oversight/monitoring activities.

Valarie Ferro, AICP

Real Estate Development Support

Professional Registration

Certified Planner, American Institute of Certified Planners

Forums

Urban Land Institute – Capturing the Spin-Off: Higher Education as a Catalyst for Downtown Revitalization October 2013

Urban Land Institute/Southern New England Planning Conference – Inviting Conflict: Do Plans and Community Vision Attract Developer Interest? September 2012

Capitol Region Partnership's People-Prosperity-Place Regional Town Meeting, March 2007

The Center Edge Coalition Connecticut Metropatterns: A Regional Agenda for Community and Prosperity in Connecticut November 2004

Central Connecticut Economic Infrastructure Coalition – Brownfields v. Greenfields: Redevelopment Overview, October 2000
Connecticut Conference of Municipalities – A Hands-on Brownfields Assessment Workshop June 2000

Connecticut Association of Municipal Attorneys – Redeveloping Brownfields: Understanding the Developer's Perspective September 1999

Connecticut Community Development Association – Brownfields:An Overview of the Interdisciplinary Redevelopment Process, May 1999

Connecticut Department of Environmental Protection – Cleaning Up and Redeveloping Connecticut November 1998

Education

Master of Science
Environmental Science/
Impact Assessment Concentration
SUNY College of ESF
Syracuse, New York

Bachelor of Arts
Pre-Medicine/Environmental Studies
Mercyhurst College
Erie, Pennsylvania

Experience

Ms. Ferro possesses over 25 years of experience in municipal planning, Brownfields redevelopment, due diligence, revitalization, site feasibility and development analyses, economic development, impact analysis, regulatory compliance and public outreach. She consistently applies compatible growth strategies, pedestrian-oriented development provisions and sustainable development practices into projects and is particularly adept at melding multiple technical disciplines to craft workable implementation strategies. She is an accomplished facilitator, having developed and implemented dozens of community outreach programs many involving contentious issues at the neighborhood level and also has worked closely with non-profit and community groups to articulate and gain recognition of their issues, refine their message, and build capacity.

Specific Project Experience

Site Selection and Due Diligence Assessments – Various Sites (Maine, New Hampshire, Massachusetts, Connecticut): Over a four year period, identified dozens of contaminated and/or blighted properties for potential acquisition and developed overall development strategies. Collected preliminary site data; assessed potential real estate value and end uses; worked with internal transaction team to determine suitability for acquisition.

Redevelopment Advising/Former Norwich Mental Hospital – Preston, Connecticut: Assisted the newly formed Preston Redevelopment Agency with identifying an execution plan for obtaining funds, creating a master plan and ultimately redeveloping the site. Provided guidance on public outreach strategies. Subsequently assisted with securing $600,000 of EPA Brownfield Assessment funds and directed the preparation of a Phase I Environmental Assessment.

Norwich Industrial Park Development/Environmental Assessment – Norwich, CT: Managed preparation of a State of Connecticut pre-application document and initial impact assessment related to the development of a 140-acre industrial park.

Greenway Commons Redevelopment Advising – Southington, CT: Providing regulatory and redevelopment advising services for a contaminated property situated in the heart of the revitalized downtown between the Quinnipiac River and a town trail. Assisted the developer in procuring local site plan and wetlands approvals; evaluating various public funding options; assessing potential reuse scenarios; and securing DECD Urban Act funds for remediation. Currently overseeing technical team charged with completing characterization, preparing remedial approach and overseeing implementation.

Village Center Revitalization – East Hampton, Connecticut: Under an EPA Brownfields Assessment Grant, served as a member of an interdisciplinary team evaluating contaminated properties Primary responsibilities include creating an overall redevelopment strategy, to attract compatible development evaluating land use/zoning/infrastructure, prioritizing redevelopment parcels, and community outreach.

West River Crossing Strategic Neighborhood Plan/MDP – West Haven, CT: After securing a DECD planning grant, developed a comprehensive approach to reclaiming West Haven's major gateway and waterfront. A strategic plan outlined implementation strategies focused on environmental remediation to redevelop a key waterfront parcel, major public improvements to restore the neighborhood's livability, targeted physical improvements for retaining existing businesses, and conversion of the main road frontage to neighborhood commercial business. A Municipal Development Plan was also prepared under DECD guidelines and approved.

Bridgeport Regional Maritime Complex – Bridgeport, CT: Performed coastal resource evaluations and consistency determination; presented dredge disposal alternatives and developed acceptable development strategy; prepared state and federal permits and maintained coordination with involved agencies in order to redevelop a 43 acre contaminated site for a water dependent user.

Steel Point Waterfront Development/Harbour Place CEPA Document – Bridgeport, CT: On behalf of the Bridgeport Port Authority and DECD, prepared an Environmental Impact Evaluation to release $200 million of state funds to prepare the 50-acre blighted waterfront parcel for development by a private developer chosen through a public bidding procedure.

US Environmental Protection Agency's Brownfields Pilot Program – Bridgeport, Connecticut: Team Manager for prioritizing vacant or underutilized industrial sites based on planning, environmental, and economic criteria and facilitating the 25-member CLEAN (Community Linkage for Environmental Action Now) Task Force. Of the approximately 250 properties initially identified, 25 redevelopment sites were assembled and ranked. Redevelopment plans were subsequently prepared on six selected sites. Created a promotional brochure highlighting the program and the selected sites. Within six months of completion of the study two targeted sites were available for private investment.

Outreach/Visioning

- Route 3 Corridor Study – Rocky Hill, CT
- Radio Appearance and Business Forums/POCD – Putnam, CT
- East Main Street/Route 1 Neighborhood Plan – Stamford, CT
- US EPA Brownfields Grant – East Hampton, CT
- Revitalizing Our Future – West Haven, CT
- Neighborhood Revitalization Plans – Hartford, CT
- Wilson Corridor Public Improvements – Windsor, CT
- Downtown Revitalization Plan – Bristol, CT
- Plan of Conservation and Development – South Windsor, CT
- Plan of Conservation and Development – Tolland, CT
- Plan of Conservation and Development – Woodbury, CT
- West River Crossing Strategic Neighborhood Plan – West Haven, CT
- South End Neighborhood Improvement Plan – Bridgeport, CT
- US EPA Brownfields Pilot Program– Bridgeport, CT
- East Side/East End Strategic Plan – Bridgeport, CT
- Broad Street Neighborhood Improvement Plan – New Britain, CT
- Stowe Village Master Redevelopment Plan – Hartford, CT

Erik Isern, PE

Real Estate Development Support
Construction Oversight & Monitoring

Background

2014-Present
Project Engineer
Weston & Sampson

2012-2014
Project Engineer
Briones Consulting & Engineering LLC

2010-2012
Assistant Director of Engineering Services
Florida Geotechnical Engineers

2004-2009
Water/Wastewater Design Engineer
Chastain Skillman, Inc.

2000-2004
Environmental Engineer
CH2M Hill, Inc,.

Education

2012
Masters in Environmental Engineering
University of South Florida

1993
Bachelor of Science
Civil Engineering
Polytechnic University of Puerto Rico

1989
Bachelor of Science
Mathematics
Interamerican University of Puerto Rico

Professional Registration

Professional Engineer:
Florida No. 69854
Puerto Rico No. 23619

Professional Associations

American Society of Civil Engineers (ASCE), Environmental & Water Resources Institute (EWRI)

U.S. Green Building Council (USGBC)

Florida Water Environment Association (FWEA)

Experience

Mr. Isern is a Project Engineer in the firm's Florida location. He has over 15 years of experience with design and consulting services for municipal water and wastewater systems and has been responsible for managing numerous water, wastewater and geotechnical projects.

Specific Project Experience

Project Engineer
Managed $20M in water and wastewater capital improvement projects (CIPs) for the City of Shreveport, Louisiana, reporting directly to the Assistant City Engineer and Water and Sewerage Director. Maintained project schedules and budgets on multiple projects simultaneously, coordinating activities with design engineers and contractors, establishing priorities, effectively communicating with contractors and management, and resolving problems in a timely manner. Controlled projects by reviewing and approving designs, specifications, shop drawings, and schedule changes; planned meetings and recommended actions; supervised engineers, contractors, and city inspectors.

Projects included:

- water conveyance piping to 60" diameter
- wastewater gravity collection systems and force mains to 48" diameter
- lift station rehabilitations ranging from package stations to primary lift stations
- wastewater treatment plant improvements including mechanical and electrical
- commercial building construction

Assistant Director of Engineering Services
Managed multiple fast-paced projects for geotechnical (sinkhole) investigations for the insurance industry while maintaining direct client relations. Generated engineering reports and provided drilling contractor oversight for SPT testing. Designed footings for commercial buildings, and provided training and mentoring to junior-level staff on engineering principles.

Water/Wastewater Design Engineer
Designed water and wastewater infrastructure conveyance and treatment systems under the direction of the senior project manager including lift station design, WTP, and WWTP expansion projects for small to medium cities. Performed all technical aspects of design including: submittal of permits, developing site layout, generating drawings, writing technical specifications, supervising CAD operators, construction oversight, and reviewing shop drawings and as-builts. Drafted municipal sewer use ordinances and determined local discharge limits for industrial users.

Environmental Engineer
Performed as field team leader and site safety coordinator in high-profile Department of Defense RCRA and CERCLA environmental assessments and UXO site cleanups working directly under the project/program managers with minimal supervision. Generated engineering reports based on gathered field data and laboratory analyses. Was responsible for researching, establishing logistics, and maintaining field offices, supervised contractors and staff of 20 engineers and technicians in isolated, remote locations. Post-construction inspector in county-wide galvanized water main replacement project.

Environmental Engineer
Water Resources:

- In charge of performing river and estuarine monthly sampling and water quality monitoring events for potable water intake permits; trained and supervised technical staff; established field sampling protocols.

Wastewater:

- Supervised multiple field teams and provided logistics coordination for quarterly WWTP sampling events of regional primary treatment plants with ocean outfalls.

Civil/Environmental Engineer
Performed environmental permitting, Phase I and II Environmental Site Assessments, and participated in statewide transportation studies.

Public Assistance Engineer
Performed final inspections and field reports for Federal-aid disaster projects serving as liaison between local, state, and federal governments, while providing technical assistance and recommendations to city emergency management agency directors.

Disaster Assistance Engineer
Provided damage assessments, written technical reports, cost estimates, and project closeouts for public works and infrastructure projects. Also, trained local government officials on FEMA regulations and emergency management best practices.

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Licensee Details

Licensee Information

Name:	ISERN, EMIGDIO RAFAEL (Primary Name) (DBA Name)
Main Address:	6900 DANIELS PARKWAY SUITE 29-195 FORT MYERS Florida 33912
County:	LEE
License Mailing:	
LicenseLocation:	

License Information

License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	69854
Status:	Current,Active
Licensure Date:	06/26/2009
Expires:	02/28/2015

Special Qualifications	Qualification Effective
Environmental	02/05/2009

Derek Slabosz, EI

Real Estate Development Support
Construction Oversight & Monitoring

Background

2014-Present
Engineer I
Weston & Sampson

2013-2014
Water Resources Intern
ADA Engineering

Education

2012
Bachelor of Science
Civil Engineering
University of South Florida

Professional Registration

Engineer Intern (EI), Florida State Board of Engineers

Professional Societies

American Concrete Institution
American Institute of Steel Construction

Experience

Mr. Slabosz in an engineer with experience in hydraulic modeling, water resources engineering, structural engineering, and transportation engineering. He is skilled with ArcGIS, AutoCAD, and the DHI Hydraulic Modeling Suite (Mike 11, Mike SHE).

Specific Project Experience

Extracted GPS coordinates of surface monitoring sites from GIS databases and installed shallow wells at four locations to extend the monitoring period for ephemeral streams in northern Lee County, Florida.

Participated in field site visits in the Fort Myers, Florida, area to identify and map stormwater conveyance systems.

Analyzed measured water level data for surface water stations in Lee County, Florida. Identified locations where surveyed datum elevations of gages needed to be corrected.

Manipulated shapefiles of various projections within ArcGIS 10.3 to extract surveyed data, create visual aids, and reference various locations in space to facilitate model enhancements and modifications.

Modeled real world features based on reports, schematics, and surveyed data using MIKE SHE/MIKE 11. These features include weirs, culverts, cross sections, bridge geometry, gate geometry, and logic based gate controls.

Worked with input and output grid files of rainfall/runoff parameters and groundwater elevations, calculating difference maps for alternative simulations. Used MIKE VIEW to extract surface water result files and summarize results to assist in determining effect of alternative simulations on performance measures such as wetland hydroperiods and deviation from minimum and/or maximum depth criteria to assist in design of large wetland treatment systems.

Conducted spreadsheet analysis of time series water level data to verify that modeled flows were performing under the necessary parameters.

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Licensee Information

Name:	**SLABOSZ, DEREK JOSEPH (Primary Name)**
	(DBA Name)
Main Address:	**17594 MOORFIELD DRIVE** **FORT MYERS Florida 33908**
County:	**LEE**
License Mailing:	
LicenseLocation:	

License Information

License Type:	**Engineering Intern**
Rank:	**Eng Intern**
License Number:	**1100018466**
Status:	**Current,Active**
Licensure Date:	**06/04/2014**
Expires:	

Special Qualifications	**Qualification Effective**

SPECIFIC RELEVANT EXPERIENCE

INTRODUCTION

Weston & Sampson has provided contract or **on-call engineering services** in a multitude of disciplines for clients all along the Eastern Seaboard. **Weston & Sampson has the technical capabilities and local, experienced staff necessary to provide the City of Key West with prompt and cost-efficient on-call environmental engineering services.** A full-service consulting firm with nearly 400 engineers, architects, landscape architects, geologists, scientists, and technical specialists, Weston & Sampson is a recognized leader in providing engineering and architectural services to municipalities, government agencies, and private sector clients throughout Southwest Florida and beyond. Our engineers, environmental specialists, and designers have won numerous awards for innovative and cost-efficient work, and we are eager to apply our demonstrated experience to the benefit of your projects.

Our staff is comprised of licensed professionals in a variety of disciplines, including:

- Registered Professional Engineers
- Registered Professional Land Surveyors
- Professional and Certified Geologists
- Certified Hazardous Materials Managers
- Registered Landscape Architects
- AIA-accredited Architects
- Licensed Environmental/Site Professionals
- LEED® Professionals
- Risk Assessors
- GIS Specialists
- Certified Wetland Specialists
- Certified Wetland Delineators
- Nationally Certified Arborists
- Soil Evaluators

As a full-service firm, Weston & Sampson can provide environmental assessment and remediation planning services, as well as comprehensive visioning and redevelopment assistance.

SUMMARY OF QUALIFICATIONS

Having provided on-call engineering services in a multitude of disciplines for clients in Florida and for other East Coast clients, Weston & Sampson is well-positioned to provide the City of Key West with environmental consultant services. Our staff has more than two decades of experience assisting municipalities with site assessment, remediation, and redevelopment projects regulated under the Environmental Protection Agency (EPA). Our team's experience includes environmental assessment, hazardous materials abatement, and remedial planning for abandoned buildings located in residential areas, as well as evaluating existing site closure risk assumptions versus risks for proposed construction sites. **Weston & Sampson is currently providing similar on-call environmental services to the City of Fort Myers** as well as numerous state agency and county clients ranging from the Massachusetts Department of Transportation (MassDOT) to the

SPECIFIC RELEVANT EXPERIENCE

Florida counties of Lee and Sarasota. Our experience includes an on-call environmental assessment and remediation contract with the United States Department of Transportation (USDOT) for sites located east of the Mississippi. Under that contract, Weston & Sampson provided environmental site assessments (ESAs) directly for the EPA and the Federal Aviation Authority (FAA) as well as Underground Storage Tank (UST) removal and replacement projects for a major international airport.

In Florida, our client list consists of both public and private sector clients, including:

- City of Fort Myers
- City of Naples
- Avalon Bay
- Avalon Engineering – Cape Coral
- Town of Fort Myers Beach
- City of Sanibel
- Sarasota County
- Lee County
- Lee DOT
- Pelican Bay Development
- Punta Gorda
- Greater Pine Island Water Association, Inc.
- Citrus Park resort, Bonita Springs
- Gulf Harbor Lakes
- SAO Grato Development – Collier County
- Shoppes at Vanderbilt – Collier County
- Shoppes at Fiddlesticks
- Waste Management (Florida)
- Biscayne Landing Superfund Site (Joint Venture (JV) with ES Consultants)
- South Dade County Landfill (JV with ES Consultants)
- City of Homestead – Mayor Roscoe Warren Park (JV with ES Consultants)

Our proposed project team includes a combination of Professional Engineers and Professional Geologists as key team leaders to support your project. Additionally, our staff of registered landscape architects, wetlands scientists, structural and geotechnical engineers, and registered architects can be called upon to help develop creative visions and plans for site redevelopment.

Environmental professionals from Weston & Sampson have performed multiple site assessment and remediation projects. **We are well-versed in all phases of Remedial Action Plans (RAPs), Quality Assurance Project Plans (QAPPs), and community relations planning, as well as site redevelopment.** Finally, we understand the administrative requirements for projects receiving EPA Cleanup funds.

Our staff's familiarity with environmental on-call task work will enable rapid and comprehensive responses to projects, as required by the City of Key West. Working from our Fort Myers office, our staff will be able to respond quickly to any issues that may arise during your project. With a staff of nearly 400 environmental and engineering professionals, including over 20 Florida licensed professionals, our clients can rely on us to maintain project schedules.

SPECIFIC RELEVANT EXPERIENCE

Our team's qualifications include:

- **Management and coordination of more than 1,500 site assessments and hundreds of remediation projects for state and federal agencies, municipalities, and private sector clients.** During this time, we have worked on state and federal compliance issues, including site assessment, risk characterization, remedial design, and construction support; lead and asbestos abatement; and other environmental engineering projects for many clients. We are experienced in all phases of site investigations, remedial action planning, and the design/management and operation of remedial systems.

- Preparation of numerous **corrective action plans, reuse plans, focused feasibility studies, and remedial action plans** for many communities

- Experienced staff members who have worked on **American Society for Testing and Materials** (ASTM) Phase Is (under All Appropriate Inquiry-AAI) and Phase IIs and have **evaluated sites for reuse options.** Weston & Sampson has been performing Phase I and Phase II ESAs since the early 1980s and has always kept current with the latest standards of practice for ASTM and EPA. We currently have approximately 30 active EPA-funded Brownfields projects in various phases of study.

- Weston & Sampson's internal risk assessment group has provided numerous clients with **risk-based site assessments** that have led to successful regulatory closure. We have performed over 200 risk characterizations for various sites, including Brownfields, chemical industries, commercial/industrial properties, landfills, and petroleum spill sites.

- Preparation of numerous **Site-Specific QAPPs** for Brownfields sites. We have pre-approved Generic QAPPs for multiple states, and have prepared a number of site-specific addenda to those QAPPs. **This streamlined approach saves our clients' money**, allowing valuable resources to be applied to the assessment phases.

- Weston & Sampson has helped our clients allocate costs when there are multiple funding sources, and we regularly assist our clients with their quarterly reporting and MBE/WBE reporting requirements to EPA. Additionally, our personnel are trained in the use of EPA's ACRES database.

- We have managed public involvement activities and community outreach at a number of sites. Our staff members make many types of presentations to the public for these projects, through public meetings, cable access television, workshops, and PowerPoint™ presentations, as well as poster sessions and informational leaflets.

SPECIFIC RELEVANT EXPERIENCE

- Weston & Sampson has provided **redevelopment analyses and conceptual design services** to aid municipalities in envisioning the possibilities for Brownfields properties.

- Our professionals have provided design and construction administration for the installation of solar, wind, and geothermal renewable energy sources at former Brownfields sites.

- Weston & Sampson consistently provides quality UST removal and replacement services, including 10 UST projects in 2014 alone.

- Our firm is a regional leader in the evaluation of building contaminants, including lead and asbestos, pre-demolition services, mold assessments, health & safety compliance, and a **variety of industrial hygiene support services.**

- Our real estate development services experience includes numerous private development projects. We support these projects with all phases of site development from pre-permitting, conceptual design, geotechnical services, due diligence support including Phase I and II ESAs, stormwater, master planning, and landscape architecture. It is important to note that the ASTM Phase I ESA was revised in 2013. **Weston & Sampson was member of the ASTM Phase I ESA workgroup that developed the new standard.**

- As a company primarily focused on the public sector, Weston & Sampson has developed valuable expertise related to publicly bid projects, including numerous remediation and demolition projects. At ***Brownfields 2013***, the EPA recognized Weston & Sampson's work with the Phoenix Award for our role in the remediation of the former Modern Electroplating site and subsequent redevelopment into a municipal police station. This project included assessment, regulatory compliance, construction administration/oversight, and resident project representative services. The project also won **Environmental Business Council** and **ACEC Engineering Excellence awards** for community outreach and overall design excellence, respectively.

- Weston & Sampson is an **expert in waterfront development**. We are currently working on three concurrent waterfront development projects, including the high-profile cleanup and design of a waterfront park; two Brownfields assessments on old wharves; and assessment, geotechnical engineering, and remediation support (including PCB compliance) for a waterfront development in support of a commuter boat terminal.

SPECIFIC RELEVANT EXPERIENCE

SITE ASSESSMENT EXPERIENCE

Weston & Sampson has successfully coordinated and managed more than 1,500 ESAs, including over 400 Phase II and Phase III ESAs, as well as hundreds of remediation projects and multiple demolition projects in communities along the Eastern Seaboard. We have a thorough understanding of the field work and data requirements necessary to assess and evaluate environmental sites of concern. Our team has a solid background in all phases of site assessment and remediation projects and has a demonstrated record of employing innovative and cost-effective techniques, including the Triad Approach. Additionally, we have designed site-specific remedial systems, directed their installation, and operated these systems to successful completion.

Our experienced staff has worked on American Society for Testing and Materials (ASTM) Phase Is (and EPA All Appropriate Inquiry (AAI)) and Phase IIs, and is experienced at evaluating sites for reuse options. Weston & Sampson has been performing Phase I and Phase II ESAs since the early 1980s and is current with the latest standards of practice for ASTM and EPA. We understand the importance of having experienced personnel conduct the site inspections and the need to identify Recognized Environmental Concerns (RECs). In addition to our ASTM site assessment experience, we are also well versed in all aspects of ASTM transaction screens, including multiple city-wide property inventory projects.

Real Estate Development Support / Site Assessments >1000 total & >70 EPA-funded	
Project Type	**Number of Projects**
Phases of Work	
Inventory & Prioritization	>20
Phase I ESA new AAI Rules	>50
Phase I ESA	>2,000
Phase II ESA	>1,000
Risk Assessment	>500
Groundwater Sampling	>1,000
Surface Water Sampling	>1,000
Soils/Solids Sampling	>1,000
Air Sampling	>500
AST / UST Removals	>100
Remedial System Design	>50
Dig and Haul Soil Removal	>50
Contractor Oversight	>500
Community Outreach	>25
Types of Sites	
Chlorinated Solvent Sites	>50
DNAPL Sites	>25
Metals Sites	>50
PCB Sites	>100
Pesticides/Herbicides	>5
Mine Sites	>10
Dam Sites	>100
Manufactured Gas Plants	>15
Pentachlorophenol/Dioxin	2

In general, all of our EPA-funded Brownfields assessment work, as well as our non-EPA assessment work follows a few important standard practices written by ASTM International. To maintain a high level of compliance and understanding with these standards, Weston & Sampson is actively involved with the ATSM E50 subcommittee and various ASTM task groups. **In fact, all Phase I ESAs completed from now on will have to comply with the new ASTM 1527-13. Being directly involved with the rewrite of this standard has prepared us for this change.**

Successful assessment projects require a consultant who can demonstrate technical remediation qualifications and also has experience in the following areas:

- Thorough knowledge of the EPA Brownfields program, including the required deliverables
- Expertise with ASTM International Standards for Site Assessments (i.e., Phase I ESAs & Phase II ESAs)

SPECIFIC RELEVANT EXPERIENCE

- Significant staff depth capabilities – engineers, geologists, architects, scientists
- Extensive experience working with planning commissions and municipalities
- Significant community outreach skills and reuse planning/conceptual design

RISK ASSESSMENT EXPERIENCE

Weston & Sampson routinely provides **risk assessment** services including **human health and ecological risk assessment, exposure assessment, and risk communication**. Our projects have included both screening level and full baseline human health and ecological risk assessments in support of site assessment and remediation project. We have also provided detailed toxicity evaluations, as necessary, for site assessment and remediation projects, and critical review of toxicity information for private clients.

INDUSTRIAL HYGIENE, DEMOLITION, AND HAZARDOUS MATERIALS EXPERIENCE

Since 2000, Weston & Sampson has completed over 30 demolition design projects, all in the public sector. Our recent experience includes the design of the demolition of the University of Massachusetts – Amherst Power Plant; Pinevale Street building; and the abatement, remediation and demolition of the former Chapman Valve Manufacturing Facility in Springfield, Massachusetts. A former steel foundry, the Chapman Valve project is a large facility that, coupled with the Pinevale Street parcel, is part of the City of Springfield's redevelopment of the 52-acre Indian Orchard Business Park. Weston & Sampson is working as a partner with the Massachusetts Development Finance Agency (MassDevelopment), the City of Springfield, the Pioneer Valley Planning Commission (PVPC), and the US EPA on this project.

Most recently, we completed the demolition design for a portion of the University of Massachusetts – Lowell campus, a portion of the Tewksbury State and Medfield State Hospitals (including building structural assessments), and the renovation of a number of swimming pools, all of which had polychlorinated biphenyls (PCBs) in building materials such as caulk and paint. We have an excellent working relationship with Ms. Kim Tisa from EPA Region 1, who regulates PCB cleanup under the Toxic Use Control Act (TSCA) that dates back to the mid-1990s.

Weston & Sampson is also one of MassDevelopment's on-call contractors for state-wide demolition services. We also recently completed the remediation and demolition of the Modern Electroplating Facility in Boston. This complicated project included an extensive building assessment for hazardous materials, demolition design, bidding and construction oversight, remediation of soil and groundwater, removal of USTs, handling of multiple waste streams, and significant public outreach and protection of the public. Waste streams included metal vats, heating equipment, asbestos containing materials (ACM), f-listed waste (RCRA hazardous waste), contaminated soil and groundwater, as well as typical building materials containing asphalt, brick, and concrete. Weston & Sampson worked with the client to evaluate options for on-site reuse and off-site disposal. By reusing clean, crushed concrete on-site, we saved the client a significant amount of money in disposal, trucking, fuel, and backfill, in addition to making the project more sustainable by reducing its carbon footprint.

SPECIFIC RELEVANT EXPERIENCE

ADDITIONAL EXPERIENCE

Geophysical Survey Methods

Weston & Sampson has used geophysical survey methods including, Ground Penetrating Radar (GPR) and electromagnetic (EM) techniques to locate USTs, buried structures, utility lines and to map out potential contaminant plumes. For example, we worked on an urban Brownfields site at which we utilized geophysics to detect over 80 buried drums. That site was cleaned up and is now a commercial facility. We have also used down-hole geophysics on numerous environmental sites to measure subsurface conditions and determine probable flow paths within bedrock regimes. Weston & Sampson staff members have also utilized various geophysical techniques in other service disciplines including water supply and geotechnical services. While we do not conduct these services ourselves, we utilize well-established, regional geophysical firms that we have dealt with on numerous projects and that are certified to do business in Florida.

Landfill Engineering

Weston & Sampson has provided a range of landfill and solid waste engineering services for more than 200 landfill projects for municipalities, agencies, and private clients including **Waste Management projects in Southwest Florida**. For many of our clients, our services include support of long-term contracts and arrangements that have been in place for many years. Weston & Sampson develops and implements solid waste plans that are environmentally responsible and economically sound, and offers landfill design, permitting, and operations services, ensuring regulatory compliance. We are also available to respond 24/7 to support O&M needs.

Weston & Sampson currently provides comprehensive landfill services for large-volume facilities including:

- Solid waste management studies
- Facility permitting
- Transfer station design
- Landfill design
- Landfill gas management system design including gas-to-energy systems
- Landfill groundwater control system services
- Hydrogeological site assessments
- Landfill closure design
- Facility oversight and management (capping, monitoring, landscaping, slope stabilization)
- Environmental monitoring and reporting (well testing, water sampling)
- Construction administration, inspection and certification

CERCLA, RCRA, and TSCA Experience

Weston & Sampson staff members are experts in the CERCLA/Superfund, RCRA, and TSCA regulations. They have conducted the full range of projects/regulatory document preparation

SPECIFIC RELEVANT EXPERIENCE

associated with Superfund projects. Our experience also includes numerous projects with RCRA land-ban disposal restrictions due to listed/characteristic hazardous wastes. Additionally, Weston & Sampson has extensive experience with the TSCA regulations and the remediation of PCB sites, spills, and impacted building materials. **We have also completed many technical/public presentations on the cleanup of PCB impacted properties, including PCBs in building materials.**

Preparation and Implementation of Health and Safety Plans for Hazardous Waste Sites

Weston & Sampson has invested in a company-wide health & safety culture to abate exposures to unsafe conditions within the office and on the sites that we work. Our corporate Health & Safety Officer conducts weekly safety meetings and tracks the progress of employees within our health and safety program. Select employees are OSHA 29 CFR1910.120 40-Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) trained with annual OSHA 8-Hour HAZWOPER Refresher training. In addition, proposed LEPs on the project team for this contract work are also 8-Hour Supervisor trained in accordance with OSHA regulations (29 CFR 1910.120(e)(4) which requires that on-site management and supervisors directly responsible for, or who supervise employees engaged in, hazardous waste operations, receive at least eight additional hours of specialized training.

Weston & Sampson's professionally trained staff members have prepared site-specific health & safety plans (HASPs). These HASPs have included the following components:

Safety Newsletter

January 2011

Days Without Loss Time as of January 3, 2011
WSE - 1895, WSS - 1530, CMR - 201

Training Calendar
Remember, you are responsible for ensuring that your certifications are up to date and arranging recertification training prior to the expiration of your certifications.
Upcoming Training
Date Time, Event, Location: No training events are scheduled for January
Date Time, Event, Location:

Please contact Colleen Manning to sign up for any of these training sessions

Regulatory Updates
OSHA will hold hearings on a proposed rule to prevent worker fatalities and serious injuries from falls in general industry: OSHA will hold an informal public hearing in Washington, D.C., starting Jan. 18, 2011, on the proposed rule revising the Walking-Working Surfaces and Personal Protective Equipment standards to improve worker protection from slip, trip and fall hazards.

- Job Hazard Analysis
- Employee Training
- Personal Protective Equipment (PPE)
- Medical Surveillance Program
- Frequency and Types of Air Monitoring
- Site Control Measures
- Decontamination Procedures
- Emergency Response Plan
- Confined Space Entry Procedures
- Spill Containment Program
- Standard Operating Procedures
- Coordination Procedures

All our personnel who will work in the field have, at minimum, HAZWOPER training. Weston & Sampson has experience in the development of site-specific HASPs for regulatory review and approval on a number of federally or state-led Brownfield projects.

UST Leak Detection, Tank Removal, etc.

Weston & Sampson has successfully completed UST testing, removal, environmental remediation, and site restoration projects for clients such as the US Department of Transportation (DOT)/Bradley International Airport, University of Massachusetts – Amherst, Springfield Office of Planning & Economic Development, Boston Redevelopment Authority (BRA), Massachusetts DOT, Massachusetts Division of Capital Asset Management and Maintenance, and the New Bedford Housing Authority. Specific tank

removal and testing subcontractors are generally contracted to perform construction and testing services while Weston & Sampson performs all necessary engineering, sample collection, and reporting services.

For Dominion Power at the Millstone Nuclear Power plant, Weston & Sampson designed and documented the abandonment of 20,000 gallon fuel oil tanks within their secured area. At Bradley Airport, Weston & Sampson conducted the removal of multiple USTs. In addition, we designed and provided oversight for replacement fuel tanks. This project required specialty training since we were working airside.

Monitoring Well/Soil Boring Installation

Weston & Sampson's field staff members are all trained to perform soil boring and monitoring well installation services in both overburden and bedrock. We have developed our internal standard operating procedures that are utilized to assure uniformity in all the work Weston & Sampson conducts. Competent and state-licensed drillers are contracted by Weston & Sampson and directed by our staff during these services. We have installed wells as small as half-inch diameter piezometers through large diameter municipal water supply wells using a variety of methods including Geoprobe, hollow stem auger, drive and wash techniques, sonic drilling, horizontal drilling, cable tool techniques air-rotary, and mud rotary techniques.

Feasibility Studies for Site Remediation

Our approach to an evaluation of remedial alternatives is to recognize likely reuse scenarios and develop a program that adequately addresses site risk. The RAP typically has a two-step process to evaluate applicable remedial alternatives; an initial screening followed by a detailed evaluation and cost estimate of potential options. We have completed RAPs and presented them to the public, including diverse communities or where Spanish language services were required.

The initial screening evaluates each technology that could be applied to address contamination at each of the recognized environmental concerns (RECs) at the site. A number of technologies are eliminated during the initial screening either due to cost, lack of effectiveness in the project site climate, lack of effectiveness due to site-specific conditions or due to site access and location constraints (e.g., a densely-populated setting).

The second stage is a detailed evaluation of those technologies that passed the initial screening. The detailed evaluation will look at site-specific effectiveness, cost (capital cost and ongoing monitoring costs), time to cleanup, if an active treatment system is required and/or if ongoing or post-remediation monitoring is required. There are many factors that are evaluated resulting in a decision on the most appropriate and/or cost effective approach.

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Community Relations and Community Involvement Plans

Weston & Sampson has a successful history of assisting our clients with community relations/involvement/outreach programs and has managed public involvement activities at a number of sites. Our level of involvement varies widely, depending upon our clients' needs. The basic services usually include presenting information at regularly scheduled meetings with steering committees and special interest groups. Over the past few years, we have worked on program-wide approaches to evaluate potential sites, score and rank sites, and select a pool of sites to bundle together in order to most efficiently work on multiple projects. This approach offers benefits with overall cost savings and consolidation of meetings.

We focus on effectively reducing complex data into common-ground, understandable concepts that can be used in group settings with people from a variety of backgrounds. To effectively communicate planning and engineering information, we make our presentations using poster boards, PowerPoint™ slideshow presentations, and charrettes depicting redevelopment concepts. We also disseminate information through project websites and site repositories, local access television, presentations at community and Rotarian meetings, and mailings.

Soil, Air, Groundwater, and Waste Sampling

Weston & Sampson provides complete groundwater air and soil sampling services and field technician services in support of environmental assessments, remedial investigations/feasibility studies. Our staff is trained in the use of field screening technologies including the use of PIDs, FIDs, Field GCs, XRF equipment and immunoassay and Petro Flag screening kits. Our standard operating procedures meet or exceed typical EPA and state sampling protocols to assure sample accuracy and consistency. We have three sites with subslab depressurization systems and have conducted soil, vapor, and indoor air quality sampling at more than five sites in the past six months. Additionally, we regularly monitor gas at over 25 landfill sites on a quarterly basis.

Laboratory Analysis of Environmental Samples

Weston & Sampson utilizes well-established and Florida-licensed environmental laboratories to analyze our environmental media samples. Where possible, we will utilize WBE and MBE firms to aid in meeting EPA guidelines. We have identified multiple contractors, with whom we maintain long-standing working relationships.

Groundwater/Contaminant Fate and Transport Analysis/Modeling

Weston & Sampson has a number of hydrogeologists who have extensive experience in understanding the hydrogeology of a site as well as fate and transport modelling. We have

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tracked groundwater plumes from former gas stations where the downgradient receptor was a public water supply well. We are currently working on three high-profile chlorinated solvent sites. One is in litigation and our technical experts have mapped the chlorinated solvent plume and its fate and transport relative to a dipping clay unit that contributes to its flow direction. One site has a chlorinated solvent plume in a commercial and residential area and we are evaluating receptors including indoor air quality as well as the fate and transport of the plume. We are also evaluating the fate and transport of a 1,4-dioxane plume in a rural area. At this site, we are drilling deep wells to confirm plume migration.

We also have experience with 3D groundwater modelling software, which may be appropriate for a larger site or one with complex urban hydrogeology. We understand how certain compounds will break down and the presence of daughter products or methanogenesis (detected in soil gas) to track the leading edge of a plume. Finally, having worked in many urban settings we understand the potential impact of buried utilities or other preferential pathway features (such as a subway tunnels, buried wharves, or foundations) on plume direction.

Remedial Design Projects and Remedial Actions

Over the past 25 years, Weston & Sampson has managed and coordinated hundreds of remediation projects. We have experience in all aspects of remedial action planning and implementation, and cleanup and redevelopment of impacted sites. We have worked with a variety of EPA funded programs where some level of clean up planning or cleanup is an eligible expense. These programs include petroleum and hazardous substance assessment grants, targeted Brownfields work, EPA cleanup grants, and revolving loan fund (RLF). We also understand EPA requirements for public bidding, Davis-Bacon wage rates, and MBE/WBE requirements. Therefore, as we perform reuse planning, we can factor these requirements into our cost estimates.

Soil Management Plans

Weston & Sampson is well versed in the development of soil management plans for a variety of impacts. The proper development of a soil management plan incorporating planned end uses of the site allow for cost-effective remediation and management of impacted soils. This is a core service that Weston & Sampson has been providing to NUSCO for the last eight years for construction projects in Connecticut. Management of impacted soils is a key for their ongoing site development and construction services. Weston & Sampson is routinely responsible for site characterization, management plan development, selection of appropriate soil disposal and re-use options, profiling soils for off-site disposal, and oversight and documentation of the work.

The soil management plan developed by Weston & Sampson for the redevelopment of the Modern Electroplating Site (**EPA 2012 Phoenix Award Winner)** was the key to the success of the project. Weston & Sampson field staff's proper reuse of soils on-site and disposal of unusable soils off-site, on-site screening, and management of soils during construction aided in the cost-effective redevelopment of this heavily contaminated inner-city parcel. This particular

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project, partially funded by the EPA, met their sustainable development as well as "green and clean" goals.

PCB Wastes and Contaminated Soil Treatment and Disposal

We have conducted abatement and cleanup planning at many sites. For many clean-up grants, we have taken over a project from a different environmental company because of our expertise in design, as well as construction administration and oversight. Additionally, as one of the regions' leading demolition design consultants, we understand the issues of PCBs in building materials, compliance with the TSCA, and how TSCA can significantly impact a cleanup project.

Weston & Sampson's risk assessment specialists have performed risk characterizations at sites contaminated with petroleum, PCBs, and/or solvents. Our QAPPs have included sampling programs for contaminants such as PCBs, PAHs, metals, VOCs, SVOCs, dioxin, hydrocarbon fingerprinting, asbestos, lead, and mold. As an on-call environmental consultant for NUSCO, we have conducted dozens of PCB assessment and clean-up projects associated with soil, groundwater, and building materials PCB impacts.

Data Validation

Data validation is critical to any assessment. Providing legally defensible data is important to any program. Therefore, we implement a data validation program to check the data for representativeness and usability. We check sample holding times and laboratory QA/QC such as detection limits versus regulatory action levels. For example, a very high hit of one contaminant may have required the lab to dilute the sample so the value could be quantified. We would then check to see if the detection limits for the other contaminants measured meet regulatory limits. For PCB analysis, for example we check chromatograms to evaluate the type of PCB congener especially if there are multiple sources of PCBs at a site. At other sites we do fingerprinting to the contaminants of concern to separate site impacts from those of other sources such as road runoff (for petroleum).

Smart Growth and Sustainable Development Strategies

Weston & Sampson has significant experience in assessing sites with contamination and evaluating sustainable remedial techniques into the cleanup of the property. For example, we evaluate property end uses with respect to cleanup goals, thereby potentially reducing the carbon footprint needed during the remedial activities. If a property has low levels of contamination and will be used as a parking lot, we would assess the viability of land use restrictions rather than excavation and removal of soil.

Our in-house Renewable Energy division is capable of leveraging staff technical skills and our extensive local relationship network to help advance renewable energy projects. **We have utilized this expertise on Brownfields sites using EPA Brownfields Assessment Grant monies.** Over the past several years, we have helped a number of public and private sector **clients evaluate and implement a variety of renewable energy projects.** Our track record of success in this area and our commitment to supporting renewable energy speak directly to our commitment to sustainable practices.

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Weston & Sampson's professional staff includes Leadership in Energy and Environmental Design (LEED) Accredited Professionals experienced in developing sustainable site designs utilizing Low Impact Development (LID) techniques and other green practices. By implementing LID techniques, we are able to assist our clients in meeting their project goals by preserving or restoring a site's hydrology; preserving open space, native plants, and wildlife; reducing infrastructure and development costs; improving water quality; reducing flooding; improving site aesthetics; and providing pedestrian friendly neighborhoods.

RELEVANT PROJECT LISTING WITH REFERENCE INFORMATION

Weston & Sampson has built a reputation based on the successful completion of project goals, attention to detail, and cost-effective, quality work. In the table below, we provide contact information and details for recent representative projects for which we provided or are providing environmental consulting and engineering services similar to those anticipated by the City of Key West.

At the end of this section, we have included detailed project descriptions for a selection of our recent, similar work, as well as representative client reference letters attesting to the high-quality work and customer service that Weston & Sampson consistently provides. We have also included relevant project descriptions for our ecological subconsultant, Passarella & Associates, Inc.

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
Landfill & Wellfield Monitoring at the Gulf Coast Landfill – Fort Myers, Florida ▪ Engineering, monitoring, and reporting services to meet the requirements for landfill gas migration and production at the landfill ▪ Constituents monitored include methane, oxygen, hydrogen sulfide, and non-methane volatile organics ▪ Reporting landfill gas and its constituents to the Florida Department of Environmental Protection (FDEP), as required by their solid waste and air permits. ▪ Also performing gas monitoring for the active landfill gas collection system at each individual gas extraction wellhead	**Waste Management Closed Sites Group** Alexander Lacsamana, PE District Manager 1950 Parkway Place Suite 600 Marietta, GA 30067 770-354-3132	Jeff Wilson	**Environmental Design/Services Fee**: $68,400	N/A

SPECIFIC RELEVANT EXPERIENCE

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
Environmental Services & Waterfront Redevelopment – Blossom Street ▪ Brownfield redevelopment/ state regulated site ▪ Pre-characterization support/assessment ▪ Boat ramp & parking lot construction ▪ Construction oversight ▪ Contaminated soil management including PCBs ▪ Geotechnical engineering	**Economic Development and Industrial Corporation – City of Lynn** James Cowdell, Director Economic Development and Industrial Corporation 3 City Hall Square Lynn, MA 01901 978-352-6555	George Naslas Frank Ricciardi Jim Currier Sam Quattrini	**Environmental Design/Services Fee**: $185,000	**Cost Estimate:** $3.2M **Contractor Contact:** Sea & Shore Contracting Michael Lally 11 Randolph Road Randolph, MA 02368 781-767-0090 **Award Amount:**$3.2M
Environmental/Marine Engineering Assessment at a Former Fish Processing Facility ▪ EPA brownfields ▪ Environmental & marine engineering ▪ Phase II ESA ▪ AST/UST removal ▪ Remedial reuse ▪ Waterfront project ▪ Boat ramp & parking lot construction ▪ $200,000 assessment grant ▪ Home heating oil – hazardous materials survey ▪ MADEP site	**Community Development Department – City of Gloucester** Steven Winslow Senior Project Manager 3 Pond Road Gloucester, MA 01930 978-282-8007	George Naslas Frank Ricciardi Jim Currier Sam Quattrini	**Environmental Design/Services Fee:** $72,000	**Cost Estimate:** $300,000 **Contractor Contact:** Ron Bourne, PE Bourne Consulting Engineering 3 Bent Street Franklin, MA 02038 508-533-6666 **Award Amount:** $305,000
Redevelopment of Former Petroleum Bulk Storage Facility ▪ Brownfields redevelopment ▪ MCP regulated site ▪ Waterfront project ▪ Bulk storage facility ▪ Pre-characterization support ▪ Property acquisition support ▪ Petroleum-impacted site ▪ Wastewater treatment facility upgrade ▪ Remediation during construction ▪ ARRA funding	**Department of Public Services – City of Newburyport** Anthony Furnari, Director 16A Perry Way Newburyport, MA 01950 978-465-4463	George Naslas Brian McCormack Frank Ricciardi	**Environmental Design/Services Fee:** $350,000	**Cost Estimate:** $12.1M **Contractor Contact:** Waterline Industries Company Michael Girard Project Manager 7 London Lane Seabrook, NH 03874 603-760-6215 **Award Amount: $**12.1M

SPECIFIC RELEVANT EXPERIENCE

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
Brownfields Redevelopment Services for the Former Modern Electroplating Facility ▪ Comprehensive Site Assessment ▪ Remedial cost estimation for property acquisition ▪ IRA, RAM, risk assessments ▪ Special project status under the MCP ▪ PCB & lead remediation under TSCA & RCRA ▪ Site clearance support including, contract documents for remediation and building demolition under public bidding ▪ Construction documentation and oversight ▪ Public involvement and litigation support ****2012 EPA Region 1 Brownfields Phoenix Award**** ****ACEC Gold Award-Winning Project****	**Boston Redevelopment Authority – City of Boston** Paul Osborn Project Manager 10 Drydock Avenue Boston, MA 02210 617-918-6211	George Naslas Frank Ricciardi Sam Quattrini Brian McCormack Marie Guiles	**Environmental Design/Services Fee:** $910,000	**Cost Estimate:** $17M **Contractor Contact:** J & J Contractors 35 Market Street, #401 Lowell, MA 01852 978-452-9898 **Award Amount:**$17.5M
Redevelopment of Bartlett Yard – Former Bus Garage Brownfields Cleanup Grant ▪ EPA cleanup grant project ▪ Brownfield redevelopment ▪ Environmental justice neighborhood ▪ Community outreach ▪ Building demolition ▪ Site remediation ▪ LSP services ▪ Site development support	**Bartlett Place Land, LLC – Nuestra Comunidad Development Corporation** Mark Paulo Ramos Matel Project Manager 56 Warren St. Suite 200 Roxbury, MA 02119 617-989-1208	Frank Ricciardi George Naslas Sam Quattrini	**Environmental Services Fee:** $137,200	**Cost Estimate:** $2.0M **Contractor Contact:** Charter Environmental Paul Bertolino 560 Harrison Avenue Boston, MA 02118 617-594-0523 **Award Amount:**$1.7M

SPECIFIC RELEVANT EXPERIENCE

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
On-Call Environmental Services, Property Acquisition/Transfer Support, and MGP Assessment/ Remediation ▪ Preconstruction soil characterization ▪ UST removal oversight and sampling services ▪ Lead and asbestos surveys ▪ Compliance planning including self-implementing PCB remediation plans ▪ Site remediation design and oversight ▪ Health & Safety services	**Northeast Utilities Service Company** Christopher Soroka Assessment & Remediation PO Box 270 Hartford, CT 06141 860-665-5493	Frank Ricciardi Brian McCormack Steve Wiehe George Naslas	**Environmental Services Fee:** $750,000	The on-call nature of this work involved various contractors for numerous assignments.
Demolition of a Coal Fired Power Plant ▪ Evaluation for all phases of pre-demolition assessment ▪ Hazardous materials survey ▪ Structural evaluation and sequencing of the demolition ▪ Evaluation of applicable permits ▪ Development of a traffic management plan and utility protection and termination plan ▪ Evaluation of recycling and cost recovery strategies for equipment ▪ Cost estimates	**University of Massachusetts Building Authority** Sara Northrup, PE Capital Projects Manager University of Massachusetts, Design & Construction Management 360 Campus Center Way Amherst, MA 01003 413-545-4857	George Naslas Brian McCormack Jamie Fair	**Environmental Services Fee:** $500,000	**Cost Estimate:** $11M **Contractor Contact:** Whiting Turner Michael Macura 1 Speen Street Framingham, MA 01701 508-875-4100 **Award Amount:** $8.7M

SPECIFIC RELEVANT EXPERIENCE

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
ASTM Phase I ESAs with All Appropriate Inquiries, City of Boston – Department of Neighborhood Development ▪ Phase I ESAs for 22 parcels ▪ Part of City of Boston's program to get underutilized city property back into use by the community ▪ Phase I ESAs completed in accordance with ASTM and AAI standards ▪ Identified RECs warranting further evaluation ▪ Expedited reports (3 weeks for 22 sites)	**Dept. of Neighborhood Development – City of Boston** Thomas Barrasso US EPA (Former Senior Project Manager, DND) 5 Post Office Square Suite 100 Boston, MA 02109 617-918-1342	George Naslas Frank Ricciardi Brian McCormack	**Environmental Services Fee:** $50,000	N/A
On-Call Environmental Services, City of Boston – Department of Neighborhood Development ▪ On-call environmental services ▪ State-mandated response actions ▪ Phase I ESAs ▪ Property surveys ▪ Demolition support services	**Dept. of Neighborhood Development – City of Boston** James Smith, Sr. Environmental Compliance Manager Real Estate Management & Sales 26 Court Street Boston, MA 02108 617-635-0103	Brian McCormack George Naslas Frank Ricciardi	**Environmental Services Fee, Task Order Contract:** $800,000	N/A

SPECIFIC RELEVANT EXPERIENCE

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
Redevelopment of the Historic Ferdinand Building – Dudley Square, Boston ▪ Assessment of hazardous materials prior to building demolition ▪ Preparation of soil and groundwater management plans and specifications ▪ Partial building demolition design ▪ Evaluation of vapor intrusion issues & design of a vapor mitigation system due to the presence of chlorinated solvents in the subsurface ▪ Preparation of MCP documents to manage contaminated soil and groundwater during construction ▪ Injection of chemical oxidation chemicals to destroy chlorinated solvents	**Public Facilities Department – City of Boston** Tom Leahy Project Manager Public Facilities Department 26 Court Street, 10th Floor Boston, MA 02108 617-293-7529	Frank Ricciardi	**Environmental Services Fee:** $450,000	**Cost Estimate:** $112M **Contractor Contact:** Architect Client Sasaki Associates Nick Brooks 64 Pleasant Street Watertown, MA 02472 617-926-3300 **Award Amount:** $115M
Brownfields Assessment Coalition Grant, Cities of Peabody and Salem, MA ▪ EPA Brownfields coalition grant ▪ Identify potential Brownfields sites/site prioritization ▪ Inventory and GIS-based mapping ▪ Site assessment ▪ Tannery & PCB sites ▪ LSP services ▪ Reuse planning ▪ Community outreach ▪ Visioning ▪ Leverage of funding ▪ Corridor project ▪ Coordination with contractors ****APA-MA Award Winning Project****	**Metropolitan Area Planning Council (MAPC)** Martin Pillsbury, Environmental Division Manager 60 Temple Place Boston, MA 02111 617-451-2770	George Naslas Frank Ricciardi Jim Currier Sam Quattrini	**Environmental Services Fee:** $320,000	N/A

SPECIFIC RELEVANT EXPERIENCE

SPECIFIC RELEVANT EXPERIENCE				
Project Name & Services Provided	**Client Information**	**Key Personnel**	**Cost Information**	**Contractor Information**
Salem Wharf Reconstruction Project* ▪ Waterfront project ▪ LSP services ▪ Evaluation of an existing Activity and Use Limitation (AUL), Health and Safety Plan (HASP) and Soil Management Plan (SMP) ▪ Construction administration ▪ Contaminated soil management/disposal *For this project, Weston & Sampson served as an environmental subconsultant to Bourne Consulting Engineering.	**Department of Planning & Community Development – City of Salem** Kathleen Winn Deputy Director 120 Washington Street 3rd Floor Salem, MA 01970 978-745-9595 x5685	George Naslas Jim Currier	**Subconsultant Design Fee:** $100,000 **Current Contract Value:** $1,707,000	**Cost Estimate:** N/A **Contractor Contact:** Ron Bourne, PE Bourne Consulting Engineering 3 Bent Street Franklin, MA 02038 508-533-6666 **Award Amount:** $1.2M

SIMILAR PROJECT EXPERIENCE FOR TEAM MEMBER STEPHEN WIEHE, PG

Prior to joining Weston & Sampson, key team member, **Stephen Wiehe, PG,** provided environmental services to numerous clients in South Florida. A representative listing is presented on the following page.

SPECIFIC RELEVANT EXPERIENCE

Alamo Rent-A-Car
American Building Supply
ATICO Building
Bayview Executive Plaza
Belle Glade Site
Belle Haven Trailer Park
Blue Grotto
Bluff's Marina
Boca Research Facility
Branch Bank Building
Brazilian Hotel
Buena Vista Replacement Project
Builders Square
Captain Hook's Marina
Carolina Freight
Caribbean Elementary
Causeway Lumber
Charles Hadley Elementary
Colonial Palms Plaza
ComCar Sampling
Concord Retirement Home
Condor Place
Coral Harbor at Broken Sound
Dan Ro Homes, J.V.
Dante Warehouse
Doral Financial Center
Doral Isles
Doral Pointe Apartments
Doral Tract 9 (MLC "CC")
Emerald Woods Shopping Center
Flannigans Guppy Bar
Flo Control Facility
Florifoam
Former Averitt Express Facility
Former BP Station
Former Chevron Station
Former Church's Fried Chicken
Former Mack Industry Site
Former Mobil Service Station
Former Ojus Historical Investigation
Former Royal Palm Ice House
Former Solitron Facility
Former Vera and Sons
Fort Lauderdale Yacht Basin
Frank Goldberg's Auto Repair
Fryd Property
Gilbert Porter Elementary
Glenbiegh Hospital
Green Vista Apartments
Greenwood Shopping Center
Gulf Components
Harland Check Printing
Harriet Investment/Park Site
Havana Plaza
Hedin TCAR
Hideaway Apartments
Hobart Facility
Holiday Inn Key West
Hollywood Medical Center
Homestead Phase II
Hotel Norman
Hurricane Aqua Center
Interama Site
Jack Gordon Elementary
Jackson Marine Center
Jessy's Dry Cleaner
Jog Road/Lakeworth Road
Kendale Plaza
Kenwood Retirement Home
Kings Manor Estates
K-Mart No. 817
LaGorce Country Club
Lakeview Commerce Park
LaTour Project
Marketplace at Tamarac
Martin Square Reliance Letter
MIA 'Concourse "A" Utility Dewatering
Monnah Park Block Plant
New Town Commerce Center
North American Plating Corporation
North Satellite Drive-In
Northridge Shopping Center
Ogden Aviation Services Phase II
Ojus Site Phase I, II
One Turnberry Place
Opa-Locka Open Air Flea Market
Palm Springs Shopping Center
Palms Wellington Medical Center
Paul Bell Middle School
Pembroke Park City Hall
Perkin-Elmer Portfolio
Pinecrest Elementary
Pino Property
Plaza Center
PPC Products Corporation
Premiere Hotel
Proposed Target, Kendall
Pump Station No. 2
Quarterly Sampling (4/16/97)
Quick Lube Abandonment
Quick Service Center
Radice/Spectrum Buildings
Receiving Meter Project/MIA
Redwing Carriers
Royal County Trailer Park
Santa Clara Elementary
Saturn of Miami Lakes
Sheridan Plaza
Shoppes of Cresthaven
Southpointe Professional Center
Standard Brands Facility
State Contracting & Engineering
State School DDD
Sterling Prestress, Inc.
Sunrise Fire station No. 92
SWPPP - MIA Midfield
Taco Bell 05-2770
Telematics/Crown Center
Tempglass
The Promenade Shopping Plaza
The Shoppes at Cresthaven
Thena Crowder Elementary
TLC Medical Building
Town Shoppes of Margate
Town South Plaza
Toyota of Hollywood
Tradewinds Facility
Tuboscope
Union City Building Supply
Universal Medical Center
US Customs Facility
US Justice Building
Vacant Land
Vanity Cleaners
Palms Plaza
Various Self Storage Facilities
Various Sites, Hialeach
Virginia Key WTP
Vulcan Dade Plant
Water's Edge Marina
Wellington Professional Center
Wendy's Fort Meyer
Wendy's Restaurant
West Miami Auto Parts, Inc.
Whigham Elementary
Wyche Elementary

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Landfill & Wellfield Monitoring at the Gulf Coast Landfill

Client Contact

Mr. Alexander Lacsamana, PE
District Manager
Waste Management Closed Sites Group
1950 Parkway Place, Suite 600
Marietta, Georgia 30067

(770) 354-3132
alacsama@wm.com

Waste Management Closed Sites Group of Marietta, Georgia selected Weston & Sampson to provide engineering, monitoring, and reporting services associated with the monitoring of the Gulf Coast Landfill in Fort Myers, Florida. These services are part of the landfill's requirements for monitoring landfill gas migration and production at the landfill.

Landfill gas monitoring is conducted at the landfill to assess if landfill gas is migrating beyond the landfill and/or the property's boundaries. This involves the monitoring of a series of gas monitoring wells located around the perimeter of the landfill. The constituents that are monitored include methane, oxygen, hydrogen sulfide, and non-methane volatile organics that make up the landfill gas. These constituents are reported to the Florida Department of Environmental Protection (FDEP). This monitoring is performed using Landtec gas monitoring equipment.

Weston & Sampson also performs gas monitoring for the active landfill gas collection system at each individual gas extraction wellhead. Monitoring the gas at these locations allows Weston & Sampson to actively evaluate the concentrations of methane and oxygen at the wellheads to make sure that the optimum mixture of methane and oxygen allows for a clean burn of the landfill gas at the destruction facility. The destruction facility at the landfill consists of an enclosed flare that burns the gas at a series of flare heads located within the enclosed flare. Having an optimum mixture of gas allows the enclosed flare to burn the gas and still meet its regulatory air permit requirements.

At each well, Weston & Sampson reads the static pressure, gas flow rate, balance gas, oxygen and methane at the wellhead using the Landtec equipment. Once the proper readings from each well are obtained, it is determined whether or not the wellhead needs to be tuned to adjust the percentage of methane that each well produces.

By maintaining the optimum percentage of methane from each well, Weston & Sampson can make sure that the landfill gas enclosed flare is fed the optimum mixture of gas for the best performance of the equipment.

Weston & Sampson also reports the levels of the landfill gas and its constituents to the FDEP, as required by their solid waste and air permits. Weston & Sampson uses our iDataCollect software to report the results from the monitoring.

Lynn Economic Development and Industrial Corporation

Waterfront Redevelopment

Client Contact

Mr. James Cowdell, Director
Lynn Economic Development and Industrial Corporation
City Hall
3 City Hall Square
Lynn, Massachusetts 01901

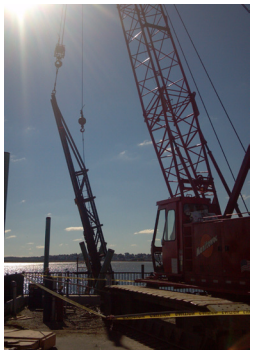
(978) 352-6555

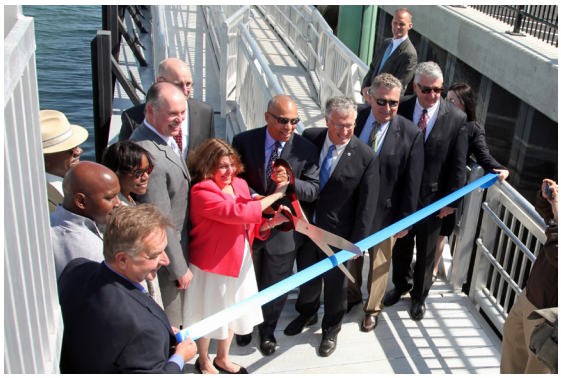
The City of Lynn is developing their waterfront; a key component of this is the reconstruction of a public access boat ramp, extension and reconstruction of a portion of the seawall and the construction of a Commuter Boat Terminal. The development is part of the city's overall strategy to develop their waterfront and to provide increased access to the nearby City of Boston.

The project included three Phases. Phase I included reconstruction of the city's boat ramp and pre-characterization of the main lot. Phase II included reconstruction of the seawall and the main parking lot. Phase III included development of the dock, and remediation and pre-construction of an adjacent lot which is the future site of the commuter ferry terminal building.

Weston & Sampson provided pre-construction assessment services of these parcels under the city's Brownfield Assessment program. Phase I of the project included evaluation of potential historical sources of contamination, documentation of historic shoreline and historic filling of the site, pre-demolition survey of a small building to evaluate potential hazardous building materials, and a subsurface investigation to evaluate the nature of the fill and to anticipate potential contaminants that could be encountered during construction. The site was impacted with lead and therefore was regulated by Massachusetts Department of Environmental Protection (MADEP).

During Phases II and III of construction, Weston & Sampson completed geotechnical subsurface investigations, laboratory testing, analyses, and provided foundation recommendations for design and construction of the proposed commuter ferry building. Geotechnical recommendations included use of pressure injected footings for foundation support and surcharging to reduce post-construction settlement in the building area and immediate vicinity.





During construction of Phases I, II, and III, Weston & Sampson provided construction management and oversight support, including soil and groundwater management, documentation in accordance with MADEP regulations, and field support services. Weston & Sampson completed environmental subsurface investigations, laboratory testing, analyses, and assisted the design team and contractor in making decisions regarding the on-site reuse and off-site disposal of PCB and lead-impacted fill.

Significant Facts

- Brownfield Redevelopment
- MCP Regulated Site
- Construction Oversight
- Contaminated Soil Management including PCBs
- Geotechnical Engineering

Environmental/Marine Engineering Assessment at a Former Fish Processing Facility

Client Contact

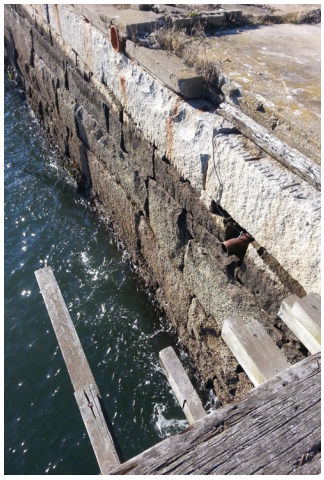
Mr. Steven Winslow, Sr. Project Manager
Gloucester Community Development Department
3 Pond Road
Gloucester, MA 01930
(978) 282-8007

Weston & Sampson, in collaboration with our marine engineering subconsultant, is providing Phase II Environmental Site Assessment (ESA) and marine engineering services at the 112 Commercial Street parcel under the city's EPA Brownfields Assessment Program. The project site is a currently vacant ocean waterfront parcel in a state of disrepair (e.g., cracked concrete, uneven pavement and concrete, rotting dock and pilings, etc.).

A conceptual redevelopment plan for the site includes the removal of former concrete foundations and building slabs and reuse of the property for light industrial and commercial purposes. A prior investigation completed in August 2012 identified impacted soil (i.e., chromium, lead, and petroleum) associated with historical operations as a fish processing facility and a potentially abandoned underground storage tank (UST). Therefore, the property is currently regulated by the Massachusetts Department of Environmental Protection (MADEP).

The site's UST and the impacted soil from prior operations, including a former fuel storage area, were not adequately defined. Additionally the condition of the seawall was unknown. Therefore the project objectives were to conduct a test pit exploration to evaluate subsurface conditions across the site, evaluate the condition of the seawall and its integrity, and remove the UST to evaluate the soil below the UST. The results of the Phase II ESA will help the city with reuse planning and provide valuable information to a prospective developer, as well as assist with regulatory closure.

To evaluate if the seawall requires replacement or if cleanup can be accomplished without its repair as well as to understand the dispersion of sediments, a bathymetric survey and a marine condition survey of the seawall and adjacent timber pier was conducted. The hydrographic survey was conducted along the outshore face of the project along the waterfront adjacent to the timber pier.



The Phase II ESA detected petroleum impacts to soil and to shallow, tidally influenced groundwater in the area of former above ground bulk storage and the area below the UST. The condition of the seawall itself was excellent however there was significant loss of fines across the site due to tidal action removing the fines through the granite block seawall resulting in numerous voids and subsidence of concrete pads across the site.

Significant Facts

ENVIRONMENTAL & MARINE ENGINEERING

PHASE II ESA

UST REMOVAL

WATERFRONT PROJECT

EPA BROWNFIELDS

MADEP SITE

Weston&Sampson®

City of Newburyport, Massachusetts

Redevelopment of Former Petroleum Bulk Storage Facility

Client Contact

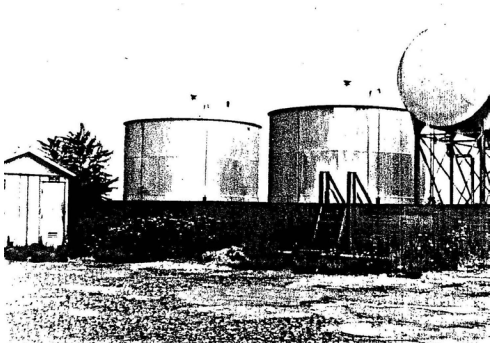
Mr. Anthony J. Furnari
Director
Department of Public Services
16A Perry Way
Newburyport, Massachusetts 01950

(978) 465-4463

As part of the Newburyport Wastewater Treatment Facility (WWTF) upgrade, the City of Newburyport acquired an abutting boat storage facility, which previously had been a petroleum bulk storage and distribution facility. The historical site use resulted in a release of petroleum to soil and groundwater at the site, which was regulated under the Massachusetts Contingency Plan (MCP). As part of the expansion of the WWTF, the City of Newburyport acquired the site and constructed a building in an area of known petroleum contamination.

Weston & Sampson conducted a due diligence investigation and supported the city and its property appraiser with pre-acquisition strategic planning and cost estimation. Following acquisition, Weston & Sampson designed the construction of building to remediate surrounding source areas of petroleum and to include a sub-slab depressurization system for the building. The contract documents also included procedures to manage contaminated soil and groundwater.

Weston & Sampson prepared MCP documents and provided construction oversight. During construction the contractor removed contaminated soil and groundwater under the guidance of Weston & Sampson's Licensed Site Professional (LSP). Weston & Sampson is preparing site closure documentation for submittal to DEP.



Significant Facts

- Property Acquisition Support
- Petroleum Impacted Site
- Brownfields Redevelopment
- MCP Regulated Site
- Waterfront Project
- Wastewater Treatment Facility Upgrade
- Remediation During Construction
- ARRA Funding

Site Assessment, Building Demolition, Site Clearance and Remediation Former Modern Electroplating Facility

Multi-Award Winning Project

Weston & Sampson was retained by the Boston Redevelopment Authority (BRA) to provide professional environmental and engineering services in support of the redevelopment of the former Modern Electroplating facility in Roxbury, Massachusetts. In late 2007, the BRA was tasked by the Mayor to prepare the facility for relocation of Area B-2 police station.

As part of the Dudley Vision Plan, the facility was used for solvent degreasing, spray painting, metals polishing and several types of plating including chromium, cadmium, copper, nickel and zinc. The facility ceased operation in 1995, and the EPA removed and disposed of numerous drums, paint cans, laboratory chemicals and wastes from vats. Weston & Sampson performed the following:

- Site investigation and development of a remediation plan
- Building demolition and site clearance design
- Remedial design and construction oversight

Site Investigation and Development of a Remediation Plan

Weston & Sampson advanced soil borings and installed wells throughout the property and sampled and analyzed indoor air, soil, groundwater, trench water and sludge, concrete slab, vats, debris, and building materials. The results indicated elevated concentrations of metals in soil, metals and chlorinated solvents in overburden and bedrock, low levels of chlorinated solvents in indoor air, and asbestos containing materials (ACM) and lead-based paint (LBP) in buildings. In addition, metals and cyanide were detected in concrete, vats and debris.

Building Demolition and Site Clearance Design

Weston & Sampson performed a utility survey and prepared plans and specifications for building demolition and site clearance. The demolition and site clearance work included abatement of ACM and LBP, removal and disposal of debris, removal/reuse of vats impacted by metals and cyanide, removal/disposal of contaminated concrete as hazardous waste. In addition, building materials including concrete were reused on site under a beneficial use determination from the Department of Environmental Protection (DEP).

Remedial Design, Construction Oversight and MCP Compliance

Weston & Sampson performed an evaluation of remedial alternatives, developed a remediation strategy, prepared plans and specifications and provided construction administration and oversight services for relocation of the police station. Under a Release Abatement Measure (RAM), contaminated soil was excavated and removed to achieve Method 1 cleanup standards, In-Situ Chemical Reduction (ISCR) was implemented to remediate trichloroethylene (TCE)-impacted overburden groundwater in the surrounding area. The site has been redeveloped and is now the location of the new LEED® certified Area B-2 Police Station.

Client Contact

Mr. Paul Osborn
Project Manager
Boston Redevelopment Authority
22 Drydock Avenue
Boston, Massachusetts 02210

(617) 918-6211

Significant Facts

Recipient of 2012 EPA Region 1 Brownfields Phoenix Award

Awarded the ACEC 2012 Gold Award for Honorary Outstanding Collaboration

Awarded the 2011 EBC Nicholas Humber Environmental-Energy Award for Outstanding Collaboration

High profile multi-task project in a complex Brownfields setting

Site assessment & development of a remedial plan

Soil and groundwater impacted by metals, chlorinated solvents and cyanide

Chlorinated solvents in indoor air

Elevated chlorinated solvent concentrations in overburden and bedrock groundwater

Preparation of plans & specifications and public bidding

Remedial design

Construction administration & oversight

Boston Public Facilities Department

Construction of LEED® Certified Police Station at Former Modern Electroplating Facility

Multi-Award Winning Project

Client Contact

Mr. Tom Leahy
Project Manager
Public Facilities Department
City of Boston
26 Court Street, 10th Floor
Boston, Massachusetts 02108

(617) 293-7529

Weston & Sampson was retained by the Boston Public Facilities Department (PFD) as the environmental consultant as part of Phase II of the redevelopment of the former Modern Electroplating Facility in Roxbury, Massachusetts. Weston & Sampson was hired to manage Massachusetts Contingency Plan (MCP) activities, contaminated soil and groundwater during construction, and design and provide oversight services for a vapor barrier and sub-slab depressurization system beneath the new police station.

The new police station was constructed at a site that was regulated under the MCP due to the presence of metals, cyanide, and chlorinated Volatile Organic Compounds (VOCs) in soil and groundwater. The release of oil and hazardous materials is attributed to operations at a former electroplating facility at the property.

Weston & Sampson conducted environmental consulting services and MCP response actions during design and construction, including:

- Preparation of soil and groundwater management plans and specifications for public bid.
- Design of vapor barrier and sub-slab depressurization system to mitigate potential vapor intrusion issues.
- Preparation of MCP documents to include Release Abatement Measure (RAM) Plan, Status Reports, and RAM Completion Report to manage contaminated soil and groundwater during construction.
- Construction oversight during soil excavation, dewatering activities, and installation of the vapor barrier and sub-slab depressurization system.
- Management of the removal, on-site reuse, and off-site recycling/disposal of over 20,000 tons of excavated material, including review and approval of disposal documentation and recycling/disposal facilities.

- Numerous meetings with Massachusetts Department of Environmental Protection (MA DEP) and correspondence with Environmental Protection Agency (EPA) to manage soil classified as F-Listed Hazardous Waste due to chlorinated VOC contamination.
- Weston & Sampson developed soil management strategies with MA DEP to minimize disposal costs.
- Obtained Beneficial Use Determination (BUD) permit from MA DEP to reuse coated brick and concrete from the demolished electroplating facility as backfill on-site to reduce construction costs and support LEED® certification for the new Police Station building.

Significant Facts

Recipient of 2012 EPA Region 1 Brownfields Phoenix Award

Awarded the ACEC 2012 Gold Award for Honorary Outstanding Collaboration

Awarded the 2011 EBC Nicholas Humber Environmental-Energy Award for Outstanding Collaboration

High profile multi-task project in a complex Brownfields setting

Soil & groundwater impacted by metals, chlorinated solvents and cyanide

Elevated chlorinated solvent concentrations in overburden and bedrock groundwater

Design of vapor mitigation system

Preparation of plans and specifications and public bidding

Construction administration & oversight

Weston&Sampson

Bartlett Place Land, LLC (Nuestra Comunidad Community Development Corporation)

Redevelopment of Bartlett Yard - Former Bus Garage

Client Contact

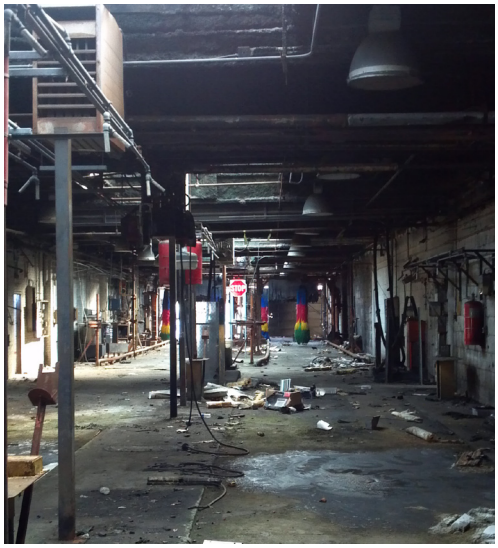
Mr. Mark Matel
Project Manager
Nuestra Comunidad
56 Warren St. Suite 200
Roxbury, MA 02119

(617) 989-1208

Weston & Sampson was selected by Bartlett Place Land, LLC, a subsidiary of Nuestra Comunidad, to provide environmental and construction support services for the redevelopment of the former Bartlett Yard Bus Garage, located in the Roxbury neighborhood of Boston. The garage had operated for many years as both a terminus and maintenance facility for the orange line subway and as a bus garage operated by the Massachusetts Bay Transportation Authority (MBTA). Contaminants at the site include metals, polycyclic aromatic hydrocarbons, volatile organic compounds and petroleum.

The project is funded through a multi-parcel EPA Cleanup grant. Weston & Sampson has also assisted the client obtain additional funding through EPA for this project. Weston & Sampson completed an evaluation of Brownfield Cleanup Alternatives and present the cleanup of the project to the local neighborhood. The project is one of the many initiatives and redevelopment projects in the Dudley Square area of Boston. This Environmental Justice Neighborhood is a vibrant community and a critical part of the Mayor's vision to revitalize this portion of the City.

Weston & Sampson is providing Licensed Site Professional (LSP), remediation and demolition design support services including preparation of design documents and construction administration and oversight services. Weston & Sampson also conducted limited assessment in support of the design. The design is coordinated with the site development team so that remediation is conducted in those area that will have higher exposure to future site users. In addition, Weston & Sampson is incorporating sustainable practices to reduce the carbon footprint of the design and limit impacts to the neighborhood.



Significant Facts

- EPA CLEANUP GRANT PROJECT
- BROWNFIELD REDEVELOPMENT
- ENVIRONMENTAL JUSTICE NEIGHBORHOOD
- COMMUNITY OUTREACH
- BUILDING DEMOLITION
- SITE REMEDIATION
- LSP SERVICES
- SITE DEVELOPMENT SUPPORT

Site Assessment and PCB Remediation at Former Electrical Substations

Client Contact

Mr. Chris Soroka
NUSCO
PO Box 270
Hartford, Connecticut 06141

(860) 665-9654

Weston & Sampson was selected by Northeast Utilities Service Company (NUSCO) to conduct site assessment and remediation activities at several former electrical substations throughout Connecticut. The assessment and remediation activities were conducted in accordance with the Toxic Substances Control Act (TSCA - 40 CFR 761) and the Connecticut Remediation Standards Regulations (RSRs). The site assessment activities were completed in accordance with the precharacterization requirements for a self-implementing cleanup under TSCA Subpart N. These standards include prescriptive requirements for collection of soil samples on a square based grid with soil borings spaced every 10-feet and samples collected every two feet vertically.

Weston & Sampson conducted the precharacterization activities and evaluated the analytical results to design an appropriate self-implementing cleanup in accordance with TSCA 40 CFR 761.61(a). The substations were located in a high occupancy area as defined in the TSCA regulations under 40 CFR 761.3 since residential properties surround the sites. Therefore, the cleanup criteria for these sites was 1 mg/kg Total polychlorinated biphenyls (PCBs). The sites all contained remnants of concrete pads and piers, which had to be tested and, if impacted, removed in accordance with the TSCA requirements. Prior to implementation of remediation activities, Weston & Sampson prepared the required Notification and Certification of the cleanup plans, contract documents for bidding, and site specific Health and Safety Plans.

During implementation of the remediation activities, Weston & Sampson provided contractor oversight, excavation limit delineation, cleanup verification sampling in accordance with Subpart O of the TSCA regulations, and prepared the final site remediation reports for submission to United States Environmental Protection Agency (USEPA) Region 1 and Connecticut Department of Environmental Protection (CTDEP). NUSCO is currently evaluating future plans for the remediated sites.

Significant Facts

PCB ASSESSMENT, DESIGN AND ABATEMENT

CONSTRUCTION OBSERVATION SERVICES

RAM/RAO DOCUMENT PREPARATION

TSCA SELF-IMPLEMENTING CLEANUP

ASTM Phase I Environmental Site Assessments with All Appropriate Inquiries

Client Contact

Mr. Thomas Barrasso
U.S. Environmental Protection Agency
(Former Senior Project Manager, DND)
5 Post Office Square, Suite 100
Boston, Massachusetts 02109
(617) 918-1342

Weston & Sampson completed Phase I Environmental Site Assessments (ESAs) for 22 parcels identified by the City of Boston, Department of Neighborhood Development (DND). This project was part of DND's program to evaluate underutilized city-owned properties, with the objective of getting these properties back into use by the community.

The Phase I ESAs were completed in general accordance with the guidelines set forth in the American Society For Testing and Materials (ASTM) publication E-1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," and in accordance with All Appropriate Inquiries (AAI) standards.

Weston & Sampson identified potential Recognized Environmental Conditions (RECs) for each parcel based on site reconnaissance; review of available environmental and geologic information; and the experience and insight of Weston & Sampson's assigned project staff and LSP. The project included the following tasks:

Site History Review: Weston & Sampson reviewed past ownership and status to identify possible uses associated with RECs. The research included a review of historical sources, including Sanborn Fire Insurance Maps, environmental database search reports, various City of Boston records, and aerial photographs.

Physical Setting: Weston & Sampson evaluated the physical setting of each site through a review of reasonably ascertainable topographic, wetlands, flood plain, soils, geology, and groundwater data, as applicable and available.

A typical underutilized city property

Environmental Records Review: Weston & Sampson reviewed environmental records obtained from a contracted data research company to determine proximity to sites listed as NPL, CERCLIS, RCRA, USTs, or state-listed hazardous waste site lists.

Site Visit: Weston & Sampson performed site reconnaissance at each property to visually observe current conditions and visible surficial evidence of contamination. Adjacent properties were evaluated for their potential to contribute to subsurface contamination at the project sites.

Interviews: Weston & Sampson interviewed the property managers or others knowledgeable of the property regarding the current and past site use.

Phase I ESA Report: Weston & Sampson prepared Phase I ESA Reports for each property consistent with the requirements of ASTM E1527-05 and in accordance with AAI standards. The reports documented the Phase I ESA findings and identified RECs warranting further evaluation.

Significant Facts

Phase I ESAs for 22 parcels

Part of City of Boston's program to get underutilized city property back into use by the community

Phase I ESAs completed in accordance with ASTM and AAI standards

Identified RECs warranting further evaluation

Expedited reports (3 weeks for 22 sites)

City of Boston, Department of Neighborhood Development

On-call Environmental Services

Client Contact

James Smith, Sr. Environmental Compliance Manager
Dept. of Neighborhood Development
Real Estate Management and Sales
26 Court Street
Boston, MA 02108
617-635-0103

Weston & Sampson was selected by the City of Boston's Department of Neighborhood Development in 2013 to provide on-call environmental services. Services include due diligence assessments in support of property acquisition, property condition surveys and inventory services, response actions under the Massachusetts Contingency Plan (MCP), including licensed site professional (LSP) services, demolition support services, construction support and post-remediation monitoring.

A dedicated program manager and LSP assigns appropriate personnel to each task order. He is responsible for developing scope and budget, coordinating with the city, scheduling personnel and subcontractors, and completing the project on time and on budget. He is also responsible for monthly invoicing, conformance with the contract, and submittal of deliverables, including MCP deliverables to MassDEP.

Task orders completed by Weston & Sampson include post-remedial monitoring at two sites, one a chlorinated solvent site at a former electroplating facility and the other a petroleum release at a police station fueling facility. The monitoring has included testing of indoor air and sub-slab soil vapor quality, as well as monitoring of an active sub-slab depressurization system.

Weston & Sampson also prepared a Phase I environmental site assessment to support property acquisition of a parcel that owes city taxes. Using our iData collect software, an electronic field data collection form was developed to evaluate multiple parcels owned by the city. The purpose of this project is to augment the limited information on the parcels and evaluate their development potential so the city's real estate department can make decisions regarding their disposal.

Weston & Sampson has prepared demolition design documents for three properties that have become an "attractive nuisance" to the city and, in some cases, are structurally unsafe. Our design package includes a survey for hazardous materials, evaluation of site-specific issues (e.g., structural and abutting property constraints, traffic and access, utilities) and an engineer's cost estimate. All demolition packages are bid through Massachusetts public bidding laws via MGL Chapter 149.

Significant Facts

ON-CALL ENVIRONMENTAL SERVICES

MCP RESPONSE ACTIONS

PHASE I ESAS

PROPERTY SURVEYS

DEMOLITION SUPPORT SERVICES

University of Massachusetts Building Authority

Demolition of Coal Fired Power Plant

Client Contact

Dan Freeman
Joslin Lesser + Associates
(617) 744-3110

Weston & Sampson provided environmental consulting services for the remediation and demolition of a former coal-fired power plant on the University of Massachusetts Amherst (UMA) campus.

The project involved an initial feasibility study, which included:

- Subsurface investigation and hazardous materials survey
- Structural and utility evaluation and survey
- Pre-demolition permitting
- Development of a traffic management plan and utility protection and termination plan
- Evaluation of recycling and cost recovery strategies for equipment and demolition debris
- Evaluation of scope alternatives to inform UMA decision-making
- Construction approach and sequencing planning
- Preparation of Construction Cost estimates

Following the completion of the feasibility study and pending client approval, Weston & Sampson prepared contract documents, including plans and specifications for completion of the project under an MGL Chapter 149A (Construction Manager-at-Risk) contract. Design packages included hazardous materials abatement, building demolition, utility disconnection, site / civil / structural, new sewer / steam / electrical utilities, and final site restoration.

Weston & Sampson provided construction administration and full-time resident services for the construction phase of the project. The project was substantially completed in February, 2013.

Redevelopment of the Ferdinand Building - Dudley Square Boston

Weston & Sampson was retained by the Boston Public Facilities Department (PFD) as the environmental consultant for a $115 million redevelopment of the historic Ferdinand, Curtis, and Waterman Buildings into the new Dudley Square Municipal Office Facility. This property was a listed Massachusetts Contingency Plan (MCP) site due to a release of tetrachloroethylene (PCE) from a former dry cleaners located at the property. Additional contaminants include polychlorinated biphenyls (PCBs) in soil. The new Dudley Square Municipal Office Facility will include six stories of new construction and incorporate elements of the existing buildings, such as the Ferdinand Building facade. Partial demolition of the existing buildings was performed in addition to excavation of thousands of cubic yards of soil for the construction of the new building.

To manage redevelopment of this contaminated site, Weston & Sampson is providing environmental consulting services, including Licensed Site Professional (LSP) services and MCP response actions, including:

- Assessment of hazardous materials prior to building demolition
- Preparation of soil and groundwater management plans and specifications
- Partial building demolition design
- Evaluation of vapor intrusion issues and the design of a vapor mitigation system due to the presence of chlorinated solvents in the subsurface
- Preparation of MCP documents to manage contaminated soil and groundwater during construction
- Injection of chemical oxidation chemicals to destroy chlorinated solvents

Weston & Sampson has coordinated our work with the design and construction team. The new facility is on-track to open in 2014.

Former Site

During Redevelopment

Rendering of Future Site

Client Contact

Mr. Tom Leahy
Project Manager
Public Facilities Department
City of Boston
26 Court Street, 10th Floor
Boston, Massachusetts 02108

(617) 293-7529

Significant Facts

HISTORIC STRUCTURE

BROWNFIELDS REDEVELOPMENT PROJECT

LSP SERVICES

PCBS IN SOIL

REMEDIATION OF CHLORINATED SOLVENTS

ENVIRONMENTAL JUSTICE NEIGHBORHOOD

VAPOR MITIGATION SYSTEM

Brownfields Assessment Coalition Grant

APA-MA Award Winning Project

Weston & Sampson was selected by the Metropolitan Area Planning Council (MAPC) to manage and administer their EPA Coalition Brownfields Grant with the cities of Peabody and Salem, Massachusetts. Weston & Sampson assisted MAPC and the two cities to:

- Identify potential Brownfields sites
- Develop an inventory and GIS-based mapping
- Prioritize sites for assessment
- Engage the community
- Comply with the Massachusetts Contingency Plan (MCP)
- Provide Licensed Site Professional (LSP) services
- Conduct reuse planning and visioning
- Coordinate with other contractors

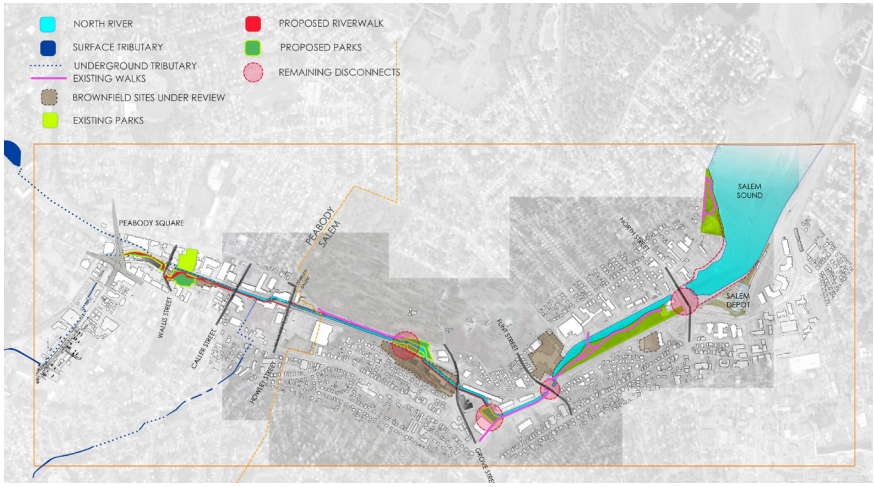
The project's primary focus is the corridor between Peabody Center and the North River in Salem. This is an area of extensive flooding, and the Brownfields assessments are intended to focus on properties that will be impacted by a major flood mitigation project that the cities are conducting to alleviate periodic flooding in the area. By assessing properties prior to construction, it is anticipated that environmental issues that can affect the flood mitigation project can be identified, and the planning for construction can include those elements.

Weston & Sampson conducted a number of community outreach and public information meetings to present the program. Weston & Sampson, working with MAPC, EPA, and the planning departments of the cities of Peabody and Salem, prioritized sites and allocated resources to assess the various parcels.

Weston & Sampson assessed a number of sites, including two tannery sites and a former recycling facility which is the latter project leveraged additional funds from MassDevelopment and a service response action from EPA impacted by polychlorinated biphenyls (PCBs).

As part of this project, Weston & Sampson prepared a conceptual design for a riverwalk that links together the cities of Salem and Peabody, and Brownfields sites along the corridor, and was honored by the American Planning Association's Massachusetts Chapter for the design.

2012
American Planning Association
Massachusetts Chapter
Planning Project Award



Client Contact

Martin Pillsbury
Environmental Division Manager
MAPC
60 Temple Place
Boston, MA 02111
(617) 451-2770

Brendan Callahan, Senior Planner
City of Peabody
Community Development & Planning
24 Lowell Street
Peabody, MA 01960
(978) 538-5780

Tom Devine
Conservation Agent/Staff Planner
City of Salem
Department of Planning & Community Development
120 Washington St., 3rd Floor
Salem, MA 01970
(978) 619-5685

Significant Facts

EPA BROWNFIELDS COALITION GRANT

SITE ASSESSMENT

TANNERY & PCB SITES

LSP SERVICES

REUSE PLANNING

COMMUNITY OUTREACH

VISIONING

LEVERAGE OF FUNDING

CORRIDOR PROJECT

Weston&Sampson

City of Salem, Massachusetts

LSP Services – Wharf Reconstruction Project

Weston & Sampson provided LSP services in support of a marine engineering firm as part of the management of environmental regulatory matters during Phases II and Phase III of the Salem Wharf Reconstruction Project. The reconstruction work associated with contaminated soils applied to the seawall and inshore utility construction elements of the project.

Weston & Sampson provided environmental consulting services specifically related to the review of contractor Licensed Site Professional (LSP) services for Contracts #2 and #3 of the Salem Wharf project, including review of existing plans, contract documents and technical specifications; evaluation of an existing Activity and Use Limitation (AUL), Health and Safety Plan (HASP) and Soil Management Plan (SMP), general construction activities, management of an existing soil stockpile; and attendance at periodic project meetings.

Client Contact

Ms. Kathleen Winn, Deputy Director
Department of Planning and Community Development
120 Washington Street, 3rd Floor
Salem, Massachusetts 01970

(978) 745-9595 x5685
kwinn@salem.com

Significant Facts

LSP SERVICES

CONSTRUCTION ADMINISTRATION

CONTAMINATED SOIL MANAGEMENT/DISPOSAL

DOCUMENT & DATA REVIEW

WATERFRONT PROJECT

On-Call Environmental Services

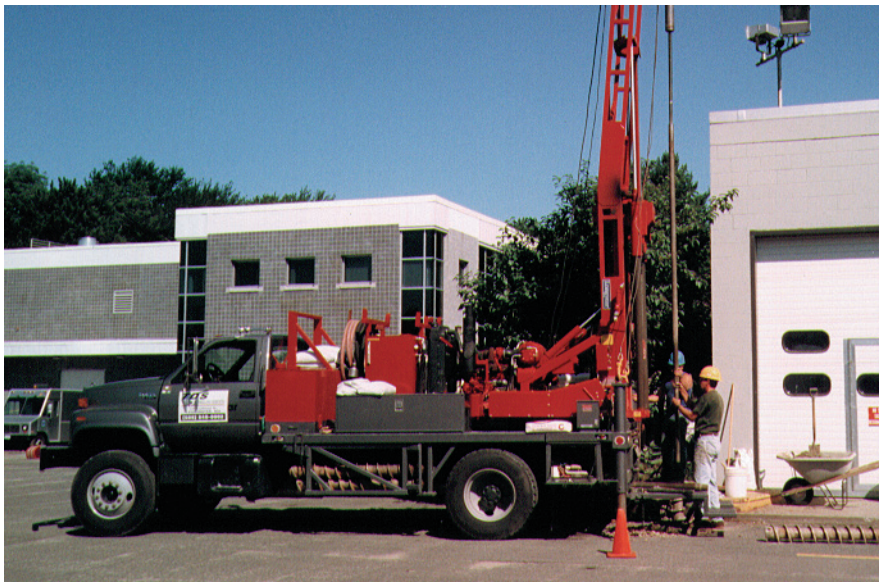
Client Contact

Mr. David White
Environmental Services
10 Park Plaza
Boston, Massachusetts 02116

(617) 973-7577

The Massachusetts Department of Transportation (MassDOT) awarded Weston & Sampson several task order contracts to provide Statewide Hazardous Materials Investigation and Remediation Services. We completed more than 100 task order projects that included simple site investigation to complex remediation with site closure under the Massachusetts Contingency Plan (MCP). The activities completed include:

- Emergency response
- Immediate Response Action (IRA) and Release Abatement Measure (RAM)
- Utility-Related Abatement Measure (URAM)
- Phase I/Tier Classifications, Phase II, III, and IV submittals
- Human health and ecological risk characterization
- Mathematical Modeling
- State and Federal permits
- Wetlands monitoring
- Public outreach/community involvement activities
- Remedial design
- Remedial cost estimation
- Construction plans and specifications and bidding assistance
- Construction-related services to support remediation
- Operation and maintenance of remediation systems
- Removal and installation of underground storage tanks (USTs)
- Activity and Use Limitations (AULs)
- Regulatory closure submittals



In addition, Weston & Sampson provided the following services:

- Assessment and remediation of PCB-impacted sites under EPA's Toxic Substances Control Act (TSCA) regulations
- Design, permitting and construction oversight for compliance with Underground Injection Control (UIC) regulations
- Water supply
- Solid waste and landfill engineering services
- Training

Comprehensive Site Assessment, Asbestos Abatement, MCP Compliance, and Risk Assessment

Client Contact

Mr. Ronald S. Killian
Manager of Environmental Permits & Procedures
Massachusetts DOT
185 Kneeland Street, 9th floor
Boston, Massachusetts 02111

(617) 342-1351

Weston & Sampson completed the Phase II Comprehensive Site Assessment (CSA) for Spectacle Island located in Boston Harbor. We performed this major CSA as part of the construction activities associated with the Central Artery/Third Harbor Tunnel (CA/THT) project, which was conducted in accordance with the Department of Environmental Protection's (DEP's) solid waste regulations (310 CMR 19.000, Section 150) and the Massachusetts Contingency Plan (MCP). Approximately three million cubic yards of excavated soil and sediments will be placed on top of the 38-acre abandoned landfill as cover material prior to capping and final closure. The island will eventually be opened to the public as a recreational park.

The CSA included review of numerous environmental studies conducted at the site and surrounding harbor; excavation of 39 test pits, and 47 soil borings (32 onshore, 15 offshore); installation of 19 groundwater monitoring wells and five methane monitoring wells; permeability testing; groundwater elevation monitoring; landfill gas and ambient air sampling; and sample collection of soils, sediments, groundwater, and surface water.

Weston & Sampson completed fate and transport analysis of landfill contaminants using integrated modeling steps: 1) leachate generation model, HELP; 2) three-dimensional groundwater flow modeling; and 3) hydrodynamic modeling of Boston Harbor. We calculated leachate quantity and quality discharging into Boston Harbor using the HELP and groundwater model, and we determined the ultimate harbor water concentration using the hydrodynamic model of Boston Harbor.

Weston & Sampson also performed a comprehensive human health and ecological risk assessment for this study. We evaluated risks at current, interim (construction-phase), and post-closure conditions. The results of the CSA indicated that carcinogenic and non-carcinogenic risk levels are currently exceeded for human health receptors. Similarly, ecological risks are above acceptable limits for benthic receptors under current conditions. The human health and benthic risks, however, will decrease to below acceptable limits following proposed landfill closure activities.

Significant Facts

- COMPLETED ON SCHEDULE
- SAVED CONSTRUCTION DOLLARS
- INNOVATIVE DRAINAGE SYSTEM
- COMPLEX CONSTRUCTION STAGING
- MANAGED CHALLENGING DEMOLITION
- ENVIRONMENTAL COMPLIANCE
- MITIGATION MONITORING

Design and Oversight of Fuel Storage Tank Replacement

Client Contact

Mr. Stephen R. Fogg
Town Engineer
Department of Public Works
190 Boston Post Road By-Pass
Weston, Massachusetts 02493

(781) 893-1263

The Weston Department of Public Works selected Weston & Sampson to prepare contract documents for the removal of two underground storage tanks (USTs) and the replacement with three aboveground storage tanks (ASTs). As part of the contract document preparation, Weston & Sampson performed site reconnaissance, utility surveys, historical records review, and fuel consumption research. We specified appropriate aboveground steel double-walled tanks, and flexible double-walled supply/return lines based on the equipment's proven history, space constraints, usage of the fuel for heating furnaces, and cost-effectiveness. During the design process, we assisted the town in applying for and obtaining financial reimbursement from the state's Underground Storage Tank Grant Program.

UST removal activities included soil excavation, fuel supply, return and vent line removal, vacuuming of residual fuel and sludges, tank cleaning and ineeting, tank removal and disposal, and management/disposal of fuel-impacted soils. Weston & Sampson performed confirmatory sampling of the tank graves prior to backfilling with clean, compacted material.

Tank installation included installation of reinforced concrete pads, ASTs, fuel supply, and return piping, overfill spill containers, and access stairs for fueling. In addition, we installed a Veeder Root tank monitoring system including display unit, probes for interstitial space, low level, high level, and spill monitoring; and outside audible/visual alarm in accordance with the specifications.

Weston & Sampson assisted the town in selecting a contractor and performed resident engineering services throughout the tank replacement project. During our oversight, we worked closely with the contractor to resolve daily issues, answer questions on the drawings and specifications, and track payment item quantities. The project was completed on time and on budget.

Passarella & Associates, Inc. Project Related Work Experience

Calusa Nature Center – To assist the Calusa Nature Center with future expansion plans to their facilities, Team Member Michael Myers of Passarella & Associates, Inc. conducted vegetation mapping and wetland jurisdictional determinations for the 105± acre property, located along Ortiz Avenue in the City of Fort Myers. Services included identifying the various habitats on-site, flagging the upland/wetland lines, and obtaining verifications of the lines from the U.S. Army Corps of Engineers and South Florida Water Management District.

City of Fort Myers Wellfield – Team Member Michael Myers of Passarella & Associates, Inc. previously assisted with the wetland monitoring for the City of Fort Myers Wellfield located west of Ortiz Avenue. Services included establishing wetland monitoring transects, vegetation sampling and identification, and report preparation.

Greater
Pine Island
Water Association, Inc.

July 19, 2011

RE: Letter of Reference - Weston & Sampson

To Whom It May Concern:

On behalf of the Greater Pine Island Water Association, I am pleased to provide this letter of reference for Weston & Sampson who is our consulting engineer for our water system.

Weston & Sampson has assisted GPIWA in utility master planning, design, bidding, opinions of probable cost, construction administration and construction observation-related services. Recent projects have included:

- SR78 Utility Relocation (necessitated by the FDOT planned widening of Pine Island Road.
- Post Office Bridge Water Main Replacement
- Little Pine Island Bridge Water Main Replacement
- Island Avenue Water Main Improvements

Our experience has been that all of the professionals on the Weston & Sampson team are knowledgeable and experienced with their discipline, but as important to us is their collective demonstrated ability to solve problems and think outside the box when needed. Also impressive is their ability to deal with regulators and the permitting process.

Jeffrey A. Wilson, P.E. has been the project manager for most all of our projects over the past several years. Jeff has the innate ability to listen before he formulates a plan of action making for seamless project design and management. It is also reassuring to know we can always pick up the phone and call with any questions.

Should you have any questions, please feel free to contact me.

Very truly yours,

GREATER PINE ISLAND WATER ASSOCIATION

Gary Gissiner

Gary Gissiner
Assistant General Manager

5281 Pine Island Rd. Bokeelia, Florida 33922 • Phone (239) 283-1071 Fax (239) 283-7792
www.pineislandwater.com

ATTACHMENT NO. 1

PAST PERFORMANCE QUESTIONNAIRE

Title of Project: Remedial Action Contract Prime (✓) or Sub ( )

Contract Number: DTRS57-97-D-00059

Description and Location of Work: Remedial Action and Remedial Design work at various HTRW sites throughout New England including FAA radar/communications sites, many of which are FUDS sites now operated by FAA in Caribou, Skowhegan, Bucks Harbor, ME, Cummington and N. Truro, MA and EPA Brownfields sites located in Lowell, Hardwick, and Bellingham, MA.

Dates of Contract Performance: 10-20-97 to present

Contracting Agency: U.S. Dept. of Transportation/John A. Volpe National Transportation Systems center

Points of Contact:

Name: Christopher D. Zeritas Number: (617) 494-3611

Name: Number:

1. How would you describe the quality of the product and delivery services performed by the contractor? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

2. Was the contractor's performance timely? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

3. Were the contractor's product and delivery prices reasonable? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

4. Were the contractor's business practices effective, including management of subcontractors? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

5. Was the contractor's approach to product delivery customer oriented, and were you satisfied with the contractor's overall performance? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

6. Were the contractor's key personnel knowledgeable and helpful? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

7. Did the contractor perform product deliveries in a safe manner? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

8. How would you rate the contractor's overall performance? (circle one)

(Exceptional) Very Good Satisfactory Marginal Unsatisfactory

ADDITIONAL COMMENTS: (Please use this space to provide comments on the above ratings and information on the Contractor's overall performance to include any performance problems that were encountered and if so how they were resolved).

- Weston and Sampson extremely cost conscious even in CPFF environment and very tight budget constraints imposed by EPA in Brownfields setting.
- Weston and Sampson has had no trouble effectively managing many simultaneous task orders covering complex and geographically dispersed sites.
- No hesitation in stating that Weston and Sampson are one of the best contractors I've worked with in 16+ years of federal service
- Always treated with respect, staff at all levels very professional and competent.

Christopher Zeritas

Citrus Park
RV Resort
A Div. of Citrus Park Trost International, Inc.
25501 Trost Boulevard
Bonita Springs, FL 34135-6422
TEL (239) 992-3030
FAX (239) 992-4130

July 19, 2011

RE: Letter of Reference - Weston & Sampson

To Whom It May Concern:

Weston & Sampson currently provides consulting services for our water and wastewater facilities at Citrus Park.

Recently, we underwent the renewal process for a 5-Year FDEP Domestic Wastewater Facility Operating Permit for our wastewater treatment plant. Weston & Sampson guided us through the regulatory process and provided the following assistance:

- FDEP Forms 1 and 2A with supporting information
- Process Flow Diagram
- Capacity Analysis Report
- Operation & Maintenance Performance Report

We are pleased to report that our permit was issued on July 14th. In addition, Weston & Sampson have also provided support services in development of the following items:

- Annual Reuse Report (FDEP Form 62-610.300(4)(a)2
- *Consumer Confidence Report* (CCR) in accordance with Rule 62-550.824 F.A.C.
- Water & Wastewater System Mapping
- Various other issues related to our water/sewer system(s)

Overall, Citrus Park is pleased with their services. Weston & Sampson's staff has been a trusted resource to help solve problems within our community, and we look forward to working with them on future infrastructure projects.

Should you have any questions, please feel free to contact me.

Best Regards,

Dennis L. Swan

CITRUS PARK-TROST INTERNATIONAL

Operations Manager

Cell 239-280-8905

CENTRAL VERMONT REGIONAL PLANNING COMMISSION

Date: September 26, 2007

Re: Letter of Recommendation for Weston & Sampson Engineers

To: Whom It May Concern

The Central Vermont Regional Planning Commission gladly recommends Weston & Sampson Engineers as a preferred consulting firm to undertake environmental site assessments on brownfield sites.

With funding from the US EPA, CVRPC is currently working with Weston & Sampson on two brownfield projects in Central Vermont. The MWT Property in Northfield Falls is a historic mill building which at one time manufactured asbestos products. Weston & Sampson undertook a Phase I and Phase II environmental site assessment to fully investigate the extent of contamination and is currently in the processes of drafting a Corrective Action Plan so that the current owner may address site issues in order to sell the building to the current tenants who will continue the established wood turning business. Weston & Sampson is also under contract with CVRPC to perform a Phase I environmental site assessment on a former municipal dump site located in the town of Warren, so that the Town may open the site to the public as greenspace.

The consultant has demonstrated extensive expertise in Vermont and across New England on a variety of brownfield sites, and CVRPC staff has found Weston & Sampson staff to be well-qualified, friendly, informative and responsive.

If there is any addition information we can provide, please contact me.

Sincerely,

Clare Bootle Rock

Clare Bootle Rock, Assistant Planner

29 MAIN STREET · SUITE 4 · MONTPELIER · VERMONT 05602
802-229-0389 · FAX: 802-223-1977 · E MAIL: CVRPC@CVREGION.COM

City of Middletown
PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION
245 DeKoven Drive, P.O. Box 1300
Middletown, CT 06457
TEL: (860) 344-3549 FAX: (860) 344-3590
e-mail: tom.nigosanti@cityofmiddletown.com

July 22, 2011

Subject: Letter of Reference RE: Weston & Sampson Engineers, Inc

Dear Sir/Madam,

I have been asked by Weston & Sampson Engineers, Inc. (W&S) to provide you with a letter of reference. It's been several years since I've first had the pleasure to do business with W&S. They have been working with the City of Middletown continuously since that time. In their capacity of project engineers, they have provided survey, design, cost estimates, bid assistance, construction administration and inspection services. They have represented us at several public meetings, including Inland Wetland Commission hearings.

Over the years, we have had excellent cooperation from their staff and have found their construction management staff to be responsive and attentive to the needs of both the City and the contractor, resulting in fair judgment in the field. Change orders on these projects have been held to a minimum and construction has progressed in a timely manner.

They are currently working on plans for a culvert replacement project and are managing a road improvement project that they designed. Their current design project is a bridge replacement project in an environmentally sensitive area. This work requires an individual permit for Section 401, DEP Water Quality Certificate and ACOE Section 404 Clean Water Act. They have qualified people on staff to handle these duties, and have a good working relationship with the Connecticut DEP.

In their current projects, I have been working closely with W&S and can say that the entire staff has acted in a professional manner and as a result, I am pleased to recommend Weston & Sampson Engineers, Inc. as a highly qualified consulting firm.

Sincerely,

Thomas Nigosanti, P.E., City Engineer

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

PROPOSED MANAGEMENT APPROACH

Our organization structure and management approach for your project is intended to maximize and apply the technical and management expertise represented by each team leader. The demonstrated experience of Weston & Sampson's management team of **Mr. Jeffrey Wilson, PE,** Regional Office Manager, and **Mr. George Naslas, PG, LSP,** Environmental Practice Leader, exemplifies our team's ability to effectively manage and provide on-call services to the City of Key West.

Mr. Jeffrey Wilson, PE, will serve as the project manager and will assure that your project is progressing according to schedule and budget. Jeff will assign staff as necessary to complete tasks, or to facilitate the availability of support staff within Weston & Sampson. Our staff has the technical, engineering-level depth of resources to accept responsibility and provide the services the city needs without having to rely solely on Jeff to perform specific duties. Not only does this translate into project and personnel flexibility, but it also translates into a more cost-effective project.

Jeff will lead a technically adept team, specifically organized for each project assignment. He will establish clear lines of responsibility and communication with the city, as well as among our staff members. It will be his responsibility to monitor individual task budgets and team member assignments. Jeff, as the city's primary contact, will oversee project assignments and be available daily to interact with the city's staff to address project issues. Specific project teams will be assigned in response to the needs of the city. Project teams will be led by one of our Florida-licensed technical group leaders. These key personnel have expertise in the specific disciplines required for the assignment, as well as experience in managing the various components.

INTERACTION WITH CITY OPERATIONS AND STAFF

From our office location in Fort Myers, our project manager, technical manager, and assigned personnel will be available to provide on-site services for assigned projects. Weston & Sampson commits our team members to consistent, open communication and interaction with you, and our periodic project meetings will enhance these ongoing communications. We also realize the need for communication with Key West residents, as may become necessary based on assigned tasks. Our project manager, engineers, geologists, and other environmental and graphics professionals will be available to assist the city with community outreach objectives.

SCHEDULES AND COST CONTROL

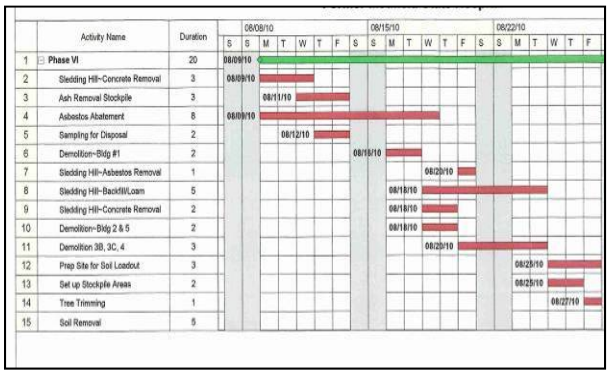
Weston & Sampson will be responsive to the schedule and needs of each assignment, and will make your project a priority within our firm. We will regularly monitor project schedules and help the city anticipate and adjust to any changes that may become necessary.

Immediately upon authorization to begin work on a particular task order, we will establish a detailed project schedule that is workable and fits with the city's requirements. On more complicated projects, there are many deliverables that require review at various stages in their

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

development and necessitate early planning to ensure timely submittal. We will identify tasks that might cause a problem to the schedule. We will manage the various tasks and subconsultants to achieve early completion of our scheduled milestones. Each task will be assigned a duration and start time. Each team member will be responsible for the timely completion of these tasks, and we will regularly monitor project schedules.

Each team member and subconsultant will be responsible for a well-defined scope of work and cost. We will receive progress information from our subconsultants and provide you with periodic progress reports. In addition, our computer-based management information system continuously monitors the invoiced costs of each subconsultant, as well as our own incurred costs. We prepare projections of the anticipated costs at the start of the project. We will update these projections regularly with the actual incurred cost data, as needed.



Weston & Sampson has managed large contracts with multi-phase assessment, remediation, demolition and construction-oriented tasks and recognizes the importance of maintaining budgets and schedules. Our in-house accounting software allows us the flexibility of daily inquiries for management of staff time and expenses. We also recognize the impacts contractor change orders can have on a project and, therefore, implement value engineering on all of our construction-related projects.

Our project management team and key staff members will remain abreast of all project matters and will maintain a high level of communication with your staff. Our team will remain in constant communication through regularly scheduled meetings, teleconferencing, and email to discuss the progress of your projects. **Our project team organization chart included in Section 2, *Project Team* details the roles and responsibilities of each of our team members and subconsultants.** Weston & Sampson has worked extensively with each of our subconsultant firms in the past and maintains an excellent working relationship with each of them.

We utilize Deltek Vision® for our billing and project management software. The system allows us to set up a project at the job, phase, and task level. We can also customize invoices to match the requirements of the client or funding source. We have monthly meetings to track costs and our estimates to complete so that we can plan ahead on a project and ensure we keep costs under control.

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

QUALITY CONTROL PROCEDURES

Weston & Sampson has an established Technical Review Control (TRC) Process for all deliverables. Specifically, the TRC process requires a project kick off meeting with the technical advisor, project team, and a technical reviewer designated to the project. The technical reviewer is an independent reviewer who also reviews the final deliverable after it has been reviewed by the technical team. The technical reviewer is not involved with the day-to-day process, but offers an independent review of the project to ensure that the data is presented well and in a manner that is clear and understandable. The TRC process is required for all projects with a budget over $5,000.

We also utilize our Deltek Vision® project management software to maintain quality control. We set up a schedule and deliverable notification in our Outlook system so that we ensure that the client has enough time to review reports prior to their due date to the appropriate regulatory authority.

ABILITY TO PERFORM

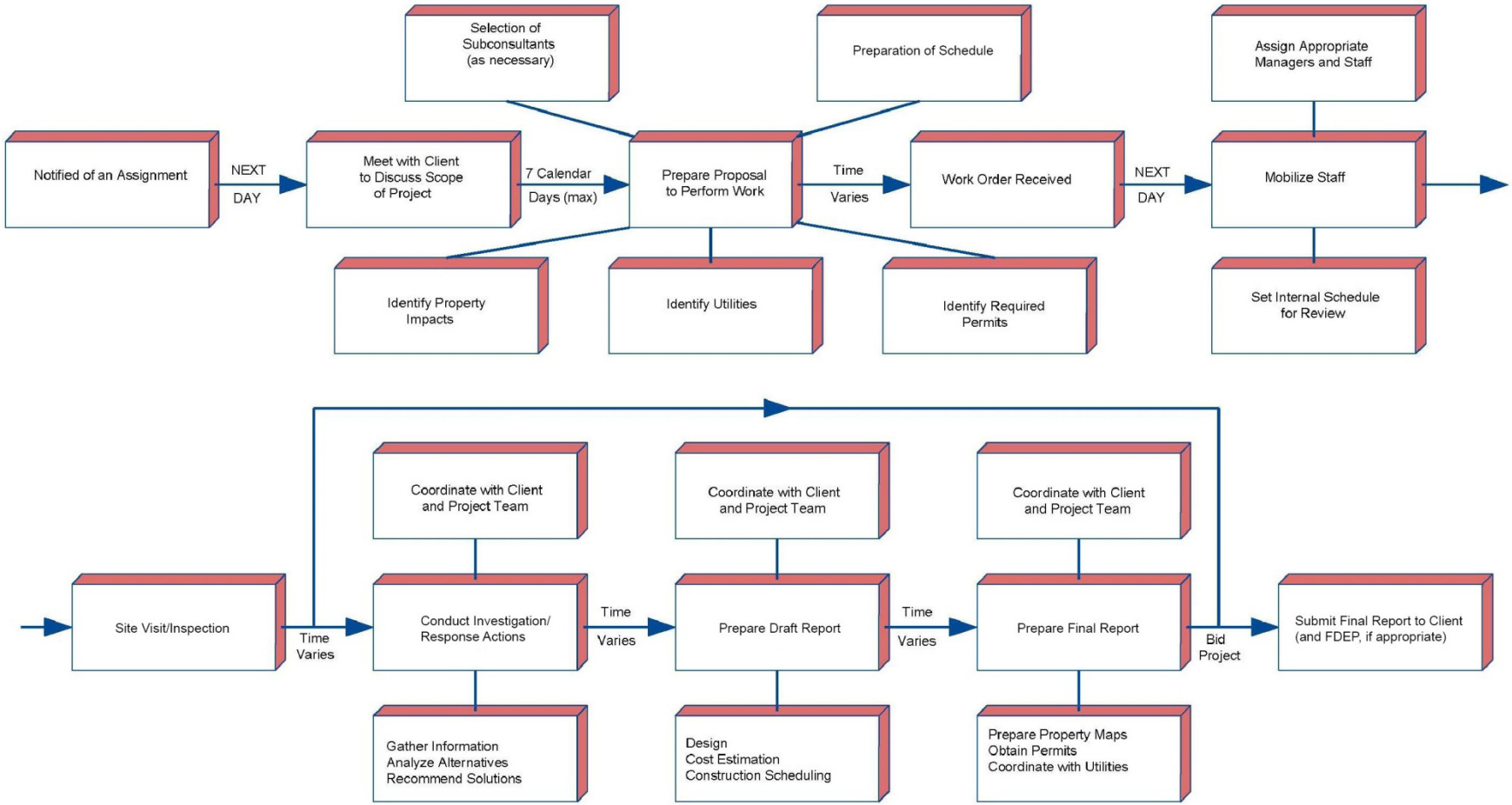
Weston & Sampson has evaluated how we will serve the City of Key West throughout this project. As mentioned above, we will set periodic meetings with the city to track individual assignments as well as the project as a whole and document the progress of each. We can set up video/teleconference calls, if an in-person meeting is not warranted. In our experience, regular meetings and communications are essential to ensure that the client and the consultant are working together as a seamless project team. With proper up-front planning and open lines of communication, we can proactively approach project tasks, as opposed to operating "reactively."

However, we also recognize that, as with any program, there are often emergencies or unexpected situations. We are committed to "being there" for the City of Key West. If we are required to attend a meeting or be at a site on short notice, we will ensure that we respond as quickly as possible. We have access to a number of available modes of transport from Fort Myers to Key West including road, air, and boat options. Our project team will explore them all if our on-site presence is required at short notice. We take responding to our client's needs very seriously.

Our management philosophy is to include our clients as an integral part of the design team. As mentioned above, Jeff will facilitate project communication. He will ensure that we respond promptly to any questions the city may have. We will maintain a close working relationship with city representatives so that decisions can be made in a timely fashion, based on complete knowledge of each assignment. This approach, coupled with our on-call experience, tenure, continuity of quality staff, and the strength and experience of our management team, has historically resulted in successful projects and client satisfaction.

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

The following is an overview of our typical work flow/project path for task order contracts.



PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

Below, we have provided details regarding our proposed approach to the services anticipated under this contract.

PROJECT APPROACH & SERVICE EXAMPLES

Some examples of the types of services that we have provided to other municipalities include the following:

- **Environmental Due Diligence in Support of Property Acquisition**: We are often asked by our municipal clients who are in the process of acquiring a property, either as part of an area-wide redevelopment program or through non-payment of taxes, to provide advice on the potential for environmental issues at the subject property(ies). Our services may include peer review of other consultants' reports, evaluation of regulatory compliance, evaluation of environmental conditions and their potential impact on future construction costs or Phase I/II Environmental Site Assessments (ESAs). Recent examples include:
    - A city that was interested in acquiring a 50-acre former industrial complex
    - A city that was in the process of acquiring a former petroleum bulk storage facility
    - A city that recently acquired two small waterfront lots in an active historic port/marina area and is trying to redevelop the parcels
    - A municipality interested in acquiring a small downtown lot that is hydraulically downgradient from a former dry cleaner

  In the case of the dry cleaner project referenced above, there were a number of issues. The site is key to the revitalization of downtown, however the contamination may impact the type of development, due to groundwater and potential vapor intrusion of chlorinated volatile organic compounds (VOCs). Weston & Sampson conducted a due diligence assessment to evaluate groundwater and soil vapor quality. We are advising the client of their technical and regulatory challenges as well as a strategy for potential cost recovery and how to manage the public relations for this property.

- **Redevelopment of Environmentally Impacted Properties**: Our strength is the ability to bring together the many facets of our firm in working toward the redevelopment of environmentally impaired sites. A recent example was the expansion and renovation of a wastewater treatment facility. The project included the acquisition of an abutting property that was a former marine fueling facility. In addition to due diligence support prior to and during the acquisition process, Weston & Sampson provided regulatory reporting to manage contaminated soil and groundwater during construction, as well as the design of a sub-slab depressurization system and vapor barrier for the new facility.

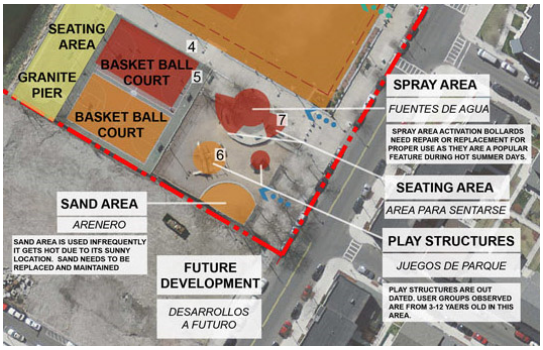
- **Environmental Audits:** Weston & Sampson has conducted over 200 multi-media audits at state and municipal facilities ranging from municipal departments of public works and highway garage facilities to state police barracks and agency maintenance yards. Our audit team works with the municipality to identify regulatory compliance issues and provides recommendations for both short-term and long-term solutions, including cost estimates. Typical municipal issues include incorrect storage and documentation of hazardous chemicals, Stage II vapor recovery and training requirements for fuel dispensing facilities, floor drains, lockout/tag-out procedures, housekeeping, and air

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

quality violations from fixed sources such as boilers and paint spray booths.

- **Emergency Response:** Weston & Sampson has helped our clients respond to a variety of emergency response events and situations ranging from an oil discharge to stormdrains connected to a harbor; an overturned petroleum tanker adjacent to a municipal wellfield; releases from emergency petroleum storage tanks; spills at marina facilities; and a release of petroleum to an abutting stream.

- **Community Outreach:** Weston & Sampson has supported municipalities in the presentation of complicated technical information in a public setting. The presentations vary from outreach as part of a brownfields program to technical information for the redevelopment of a rail yard. We utilize our in-house graphics department to present complicated information in an easily understandable manner.



- **Wetlands Permitting & Resource Protection/Mitigation:** Our team includes experts who have worked with us to evaluate wetland resources, develop mitigation programs (including endangered species programs such as the Florida Panther), marine ecology, and terrestrial resources. Subconsultants **Passarella & Associates, Inc.** and **Boylan Environmental Consultants, Inc.** (MBE/DBE), and Weston & Sampson's management team are experienced in managing site development projects that require significant wetland restoration and stormwater management components, as well as stormwater pollution prevention plans (SWPPP).

- **Historic Preservation Act:** Any redevelopment project and environmental assessment needs to consider if the National Historic Preservation Act applies. For federally funded projects, this evaluation is known as a Section 106 Review and is required for all federally funded redevelopment projects, including Environmental Protection Agency (EPA) Cleanup Grants and Housing and Urban Development (HUD) Grants. We have experience conducting these reviews and will work with the state's Historic and EPA Regional Coordinators.

- **Alternative Fuels:** Weston & Sampson has a facilities department that specializes in municipal, county, and state agency fleet facilities. We have designed, bid, and provided construction services for a number of LEED-accredited facilities, including a Department of Public Works facility. We have worked on over 20 such facilities and, in all cases, the fuel system design is a key component. In many cases, an evaluation of alternative fuels is required as part of the design or due to air pollution and emission standards.

- **Construction Oversight and Monitoring:** In addition to design, Weston & Sampson routinely provides construction administration and resident representative or owner's project manager services. Our construction management department includes field site superintendents and inspectors either for full-time or part-time monitoring. Our

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

experience ranges from part-time oversight of a simple remediation project through full-time air and dust control and Health & Safety requirement monitoring at Superfund sites. We will work with the City of Key West on a case-by-case basis to evaluate the level of effort required and whether or not specialized expertise is needed (e.g., at chlorinated solvent-, polychlorinated biphenyl- (PCB) and mercury-impacted sites).

- **Regulatory Expertise:** The RFQ identified a number of statutes and laws including Federal Environmental Laws, the National Environmental Policy Act (NEPA), Clean Water Act, Endangered Species Act, Clean Air Act, Resource Conservation and Recovery Act (RCRA), Coastal Zone Management Act, Wild and Scenic Rivers Act and many others. Weston & Sampson and our team are required to understand these regulations and their implications for environmental projects.

  A recent example of our work within these frameworks included the cleanup of a former electroplating facility for which we evaluated cleanup alternatives and provided design for demolition and remediation of the site, in addition to redevelopment support. The waste included metals and chlorinated VOCs in building materials, soil, and groundwater, as well as potential off-site migration issues. Due to the nature of the release, soil was considered RCRA waste and, as such, subject to more stringent management and cleanup standards compared to the state standards.

  Another example is the management of PCBs, which are regulated under the Toxic Substance Control Act (TSCA), requiring coordination with the EPA Region 4 TSCA coordinator. Weston & Sampson has extensive experience with PCB sites including the Self implementing Program, Performance Based Cleanup, and Risk Based Cleanup Programs.

- **Environmental Justice:** Weston & Sampson has worked with many minority communities and neighborhoods, especially environmental assessments through our Brownfield Assessment Programs. Brownfield sites are often disproportionally located in environmental justice neighborhoods.

Our experience includes all phases of environmental assessment and remediation including preliminary assessments, site investigations, remedial investigations, remediation and abatement strategies, underground storage tanks (USTs), and Health & Safety and OSHA requirements.

Our specific approach to Phase I/II ESAs and Remedial Action Plans (RAPs) and community outreach is provided below.

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

KICK-OFF MEETING & PLANNING WITH THE CITY

We understand the City of Key West has multiple, potential project sites. **Weston & Sampson will meet with representatives of the city for a kick-off meeting to discuss each potential project site, establish lines of communication, set up a proposed schedule, and identify key resources in the city.**

Based on our history of evaluating potential sites and performing Phase I assessments through the Brownfields Program, this site selection kick-off meeting is critical to the overall project success. Topics will include:

- Current regulatory status and history of the property
- Known or perceived environmental conditions
- Outstanding legal, municipal, or environmental actions against the property
- Intended or potential property end-uses
- Implications of zoning, codes, or related restrictions
- Desired schedule for assessment and redevelopment
- Project requirements and funding constraints
- Community involvement and community concerns
- Other pertinent information or hurdles impeding redevelopment
- Site access and surrounding areas to the project sites

If the city requires help in prioritizing the sites for assessment, we can assist by qualitatively evaluating various factors, including access, existing infrastructure, redevelopment potential such as highest and best use, local property value, access to transit nodes (road/rail), tax payment status, and site ownership. The latter two are important to facilitate Phase I and II ESAs and transition the property back to an active and beneficial site. We have performed these tasks for numerous Brownfield clients.

PHASE I ESAs

Once the candidate sites have been chosen, Weston & Sampson will initiate the Phase I process. Weston & Sampson will prepare Phase I ESAs in accordance with the latest version of the protocol for All Appropriate Inquiry (AAI) Phase I ESAs. It is important to note that the ASTM Phase I ESA was revised in 2013. **Weston & Sampson was member of the ASTM Phase I ESA workgroup that developed the new standard.**

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

The purpose of the Phase I is to identify Recognized Environmental Conditions (RECs) based on observations, site use, or site history. The Phase I ESAs will include, but may not be limited to:

- Review of pertinent records for evidence of present and historic use of the site and adjacent properties, such as city records, plans, and directories; historical maps and society records (including Sanborn Fire Insurance Maps); fire marshal's records; and Building Department and Department of Health records
- Review of current municipal, state, and federal environmental files and databases and previous environmental reports, where available
- Review of available geologic information and GIS data, such as the topography, surficial and bedrock geology, and hydrogeology of the site area
- Preparation of site maps
- Site reconnaissance
- Visual observation for potential Lead Based Paint (LBP) and Asbestos Containing Materials (ACM) and a determination for the need for a formal building toxins survey
- Interviews with personnel familiar with the property
- Evaluation of information gathered and development of a report and Identification of RECs
- Property Profile Forms and Update of EPA's ACRES Database

As site reconnaissance, Weston & Sampson will conduct an assessment of site conditions. The assessments will be conducted to evaluate existing conditions and to consider historic property uses previously identified. The assessments will focus on evidence of environmental contamination, site features that may indicate former high risk property uses, oil and/or hazardous materials (OHM) storage, aboveground storage tanks (ASTs) and USTs, pits, sumps, floor drains, electrical and hydraulic equipment, and other indicators of potential releases of OHM.

Weston & Sampson will prepare a draft Phase I ESA report for review and comment by the city, site owners, Steering Committee, other Brownfields stakeholders (if any), Florida Department of Environmental Protection (FDEP), and EPA. The report will include a summary of the work scope, narrative descriptions of the completed tasks, findings including identification of RECs, conclusions and recommendations, and figures and plans, as necessary, to support the information. A recommendations section will be prepared to summarize potential future activities. We will finalize the Phase I reports following input from the various stakeholders.

PHASE II ESAs

Based on the findings and conclusions presented in the Phase I ESA effort outlined above, Weston & Sampson will prepare a work plan for the RECs identified at the various Phase II sites. The work plan and budget estimates (for the Phase II ESAs) will be provided to the city for review and comment.

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

We will select sites based on the information collected from previous tasks. The Phase II ESAs will include the following elements:

- Soil and/or groundwater assessment
- Building contaminant survey
- Report preparation
- Remediation cost estimate

Field Investigations

Based on the Phase I assessment and comments from the city and FDEP, if required, we will conduct a Phase II ESA to include a subsurface investigation plus sampling and analysis of soil and groundwater. We will utilize existing data as appropriate and develop a subsurface exploration program to fill data gaps and evaluate risk as necessary. Typical Phase II site assessments will include the following:

- Geophysical surveys, if required, to identify unknown subsurface structures such as USTs.
- Conservation Commission submittals, if site(s) abut wetlands. Depending on the nature of intrusive fieldwork, either a Request for Determination of Applicability or a Notice of Intent (NOI) may be required.
- Excavation of test pits, if required, to evaluate surficial and shallow subsurface soils, debris piles, and solid waste disposal areas.
- Advancement of soil borings in the vicinity of potential sources of OHM, including potential USTs, and other site features of potential concern.
- Installation of groundwater monitoring wells in selected borings, in accordance with EPA and DEP well construction guidelines.
- Collection of soil samples for evaluation of geologic composition and screening by field instrumentation (photoionization and/or flame ionization detector).
- Collection of soil samples from borings, test pits, and surficial soil based on visual and olfactory evidence, proximity to potential sources of OHM, and field screening data. We will submit soil samples to a state-certified laboratory for the analysis of appropriate contaminants, as identified from Phase I activities.
- Development of groundwater wells, gauging of groundwater elevations, and collection of groundwater samples (using low-flow sampling). We will submit groundwater samples to a state-certified laboratory for the analysis of appropriate contaminants, as identified from Phase I activities. We will also measure pH, specific conductivity, temperature, and dissolved oxygen in the field.

Other field investigation techniques frequently utilized by Weston & Sampson have soil-gas surveys to track gasoline or a VOC plume; on-site characterization of contaminants using a mobile laboratory or field screening techniques; push-technology (e.g., Geoprobe) drilling methods to maximize data recovery and obtain more data in a given timeframe; and vacuum extraction drilling techniques to drill in areas where unknown utilities are

present.

Phase II – Report Preparation
Weston & Sampson will prepare a draft Phase II report for review by the city (and FDEP, if required). The report will be submitted in a clear, concise and easy-to-understand manner including appropriate graphics. The Phase II report will include the following components, as necessary, to clearly present the data, conclusions, and pertinent information:

- General site information and environmental setting
- Site history
- Summary of field investigation activities
- Analytical results
- Risk characterization
- Conclusions and recommendations for additional investigation, if any

All reports and deliverables will be submitted to the city at least two weeks prior to any scheduled review or public discussion.

PHASE III IDENTIFICATION & SELECTION OF COMPREHENSIVE REMEDIAL ACTION ALTERNATIVES, RAP

Weston & Sampson will evaluate reuse and cleanup requirements in the context of future development. Our approach to preparing a Phase III must mirror FDEP requirements for evaluation of remedial alternatives yet, at the same time, must recognize that the endpoint of a Brownfields assessment may not be the same regulatory endpoint to achieve site closure. The Phase III typically has a two-step process to evaluate applicable remedial alternatives.

The initial screening evaluates each technology that could be applied to address contamination at each of the RECs at the site. A number of technologies are eliminated during the initial screening either due to cost, lack of effectiveness in Florida due to shallow groundwater and/or climate, lack of effectiveness due to site-specific conditions, or due to site access and location constraints (e.g., a densely-populated setting).

The second stage is a detailed evaluation of those technologies that passed the initial screening. The detailed evaluation will look at site-specific effectiveness, cost (capital cost and ongoing monitoring costs), time to cleanup, whether or not an active treatment system is required and/or if ongoing or post-remediation monitoring is required. There are many factors that are evaluated, resulting in a decision regarding the most appropriate and/or cost effective approach.

For example, a RAP may recommend leaving a building slab in place because it is unclear if the developer wants to use the slab. Spending additional money to remediate below the slab and bringing the site to a pristine condition may not be necessary if a commercial or industrial end use is proposed for a site.

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

POTENTIAL REMEDIATION TECHNOLOGIES CONSIDERED	
Soil Excavation	LNAPL Product Recovery
Vapor Extraction	Cutoff Walls – Sheet Piling, Waterloo Barrier and Deep Trench Slurry Technology
Air Sparging	Thermal Resistive Heating
Dual-Phase Extraction	In-situ Chemical Oxidation
Interceptor Recovery Trenching	Bioremediation with Oxygen Enhancement
Groundwater Pump-and-Treat	PCB Thermal Desorption
Capping	Steam Enhanced Recovery
Surfactant Flushing	

COMMUNITY RELATIONS PROGRAM

Weston & Sampson has a successful history of assisting our clients with community outreach programs. To effectively communicate technical and regulatory information related to the engineering and environmental fields, Weston & Sampson employs a number of full-time marketing, communication, and graphics professionals. Presenting information in a user-friendly and understandable manner, our staff has prepared and distributed informational pieces for projects with technical and public relations goals similar to yours for many communities. We have provided multimedia services, including project websites, local access television, PowerPoint™, and/or CDs of presentations/workshops, presentations at community meetings, mailings, and other informational literature.

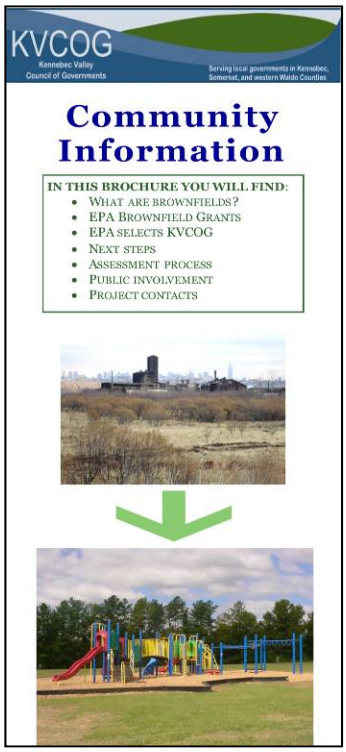
Weston & Sampson has managed public involvement activities at a number of sites. We have prepared fact sheets, presented at meetings, prepared informational brochures, and supported communities and other clients with public outreach related to Brownfields programs, redevelopment activities, and environmental contaminants that impose threats on residential communities.

In addition to the expertise noted above, **we have prepared several Brownfields brochures for distribution at community meetings. The brochures have also been distributed to city/town/county managers to assist in communicating what a Brownfields property is and to collect sites for inventories.**

As an environmental consulting firm, Weston & Sampson has strong ethical beliefs in improving the environment in terms of quality of life, safety, ecology, and economic improvement. As engineers, scientists, and designers, our project team collectively strives to improve the urban realm and make civic life more meaningful for citizens and visitors alike. **When working in the public realm through a community-based process, our role is to listen and lead. As facilitators of the public process, in close collaboration with the municipal officials and key stakeholders, we employ a method of research, solicitation, analysis, synthesis, and representation.** We find that these steps consistently yield positive results.

PROPOSED MANAGEMENT APPROACH, QUALITY CONTROL PROCEDURES, & ABILITY TO PERFORM

Site research, compilation of base and context maps, and the public exchange of facts, hopes, opportunities, and pitfalls through meetings or interviews provide an excellent starting point. Creating diagrams or analytical tools that illustrate what we have learned or know about the site and its context helps us to think about what is possible and necessary. This point in the process is often a good time to present our findings at a public meeting and solicit ideas for the next design steps. The analytic and synthetic steps often are cyclical as the design process moves forward – the analysis informs design solutions, but as design solutions are developed, we test those ideas to verify that they make sense for the site and its surroundings.



Our team will work cooperatively with you to meet your short- and long-term redevelopment goals.

REQUIRED FORMS, CERTIFICATE OF INSURANCE, PROFESSIONAL LICENSURE/CERTIFICATES & ADDENDUM ACKNOWLEDGEMENT

REQUIRED FORMS

In this section, we have provided the following forms included in your Request for Qualifications (RFQ):

- Anti-Kickback Affidavit
- Public Entity Crimes Certification
- City Ordinance Sec. 2-799, Equal Benefits for Domestic Partners Affidavit
- City Ordinance Sec. 2-773, Cone of Silence Affidavit

We have also included the following items, per your request:

- Certificate of Insurance
- Certificate of Authorization from the State of Florida Board of Professional Engineers & Certificate of Good Standing
- Acknowledgement of Addendum #1

CERTIFICATE OF INSURANCE

The present standard insurance coverage of Weston & Sampson includes a policy of Professional Liability insurance that is issued by the Zurich American Insurance Company with a Limit of Liability (Per Claim and Aggregate) of $3 million, and an umbrella liability policy by Starr Indemnity & Liability Co. (Per Claim and Aggregate) for $7 million. Upon selection, Weston & Sampson would be sure to meet your specific insurance requirements for this project. For your review, we have included a copy of our current insurance certificate immediately following the above-listed forms.

PROFESSIONAL LICENSURE/CERTIFICATES

We have included our Certificate of Authorization from the State of Florida Board of Professional Engineers to provide engineering services in the state and our certificate from the State of Florida – Department of State indicating that Weston & Sampson Engineers, Inc. is a Massachusetts corporation authorized to transact business in the State of Florida.

ACKNOWLEDGEMENT OF ADDENDUM NO. 1

At the end of this section, we have included a signed copy of *Addendum No. 1–RFQ Environmental Engineering/ITB 14-004* to acknowledge our receipt and acceptance of this addendum.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
: SS
COUNTY OF Lee)

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

1st Day of July, 2014.

_____
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 4-13-2018

KALIE KIRWAN
Notary Public, State of Florida
Commission# FF 111969
My commission expires Apr. 13, 2018

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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 14-004 for Request for Qualifications for Environmental Engineering Services

2. This sworn statement is submitted by Weston & Sampson Engineers, Inc.
(Name of entity submitting sworn statement)

whose business address is 4210 Metro Parkway, Suite 250, Fort Myers, Florida 33916

and (if applicable) its Federal Employer Identification Number (FEIN) is 04-2601194 (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.)

3. My name is Jeffrey A. Wilson, PE and my relationship to
(Please print name of individual signing)

the entity named above is Regional Office Manager, Fort Myers.

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)

July 1, 2014
(Date)

STATE OF Florida

COUNTY OF Lee

Jeffrey Wilson, PE
PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Jeffrey Wilson who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

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

My commission expires:
NOTARY PUBLIC

Kalie Kirwan

KALIE KIRWAN
Notary Public, State of Florida
Commission# FF 111999
My comm. expires Apr. 13, 2018

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF FLORIDA)
: SS
COUNTY OF Lee)

I, the undersigned hereby duly sworn, depose and say that the firm of Weston & Sampson Engineers, 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

1st Day of July, 2014.

Kalie Kirwan
NOTARY PUBLIC, State of Florida at Large

KALIE KIRWAN
Notary Public, State of Florida
Commission# FF 111969
My comm. expires Apr. 13, 2018

My Commission Expires: 4-13-18

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.

CONE OF SILENCE AFFIDAVIT

STATE OF Florida)
: SS
COUNTY OF Lee)

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Weston & Sampson Engineers, 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).

REGIONAL MGR

Sworn and subscribed before me this

1st Day of July, 2014.

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 4-13-18

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.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/1/2014

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
Eastern Insurance Group LLC
233 West Central Street
Natick MA 01760

CONTACT NAME: Construction
PHONE (A/C, No, Ext): (508)651-7700
FAX (A/C, No):
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Great Divide Insurance Co	25224
INSURER B: Starr Indemnity & Liability Co.	38318
INSURER C: Zurich American Insurance Co.	16535
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
Weston & Sampson Engineers, Inc.
Five Centennial Drive
Peabody MA 01960

COVERAGES CERTIFICATE NUMBER: MASTER 2014.5 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 X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Contractual Liability coverage per policy form GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC			GLP200736211	1/1/2014	1/1/2015	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 1,000,000 $ 300,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
A A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS X HIRED AUTOS SCHEDULED AUTOS X NON-OWNED AUTOS			MAA2007361-11 MA BAP2007360-10 AOS	1/1/2014 1/1/2014	1/1/2015 1/1/2015	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			SISCCCL01974113	1/1/2014	1/1/2015	EACH OCCURRENCE AGGREGATE $	$ 7,000,000 $ 7,000,000 $
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WCA200735911 Coverage applies in MA,CT,FL,GA,NH.NY,RI,SC VT and WI	1/1/2014	1/1/2015	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C	PROFESSIONAL/POLLUTION LIABILITY			EOC9671257-06	7/3/2014	7/3/2015	PER CLAIM ANNUAL AGGREGATE	$3,000,000 $3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

"PROPOSAL USE ONLY"

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

John Koegel/PMA

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State of Florida
Board of Professional Engineers
2639 North Monroe Street, Suite B-112
Tallahassee, FL 32303-5268

Weston Sampson Engineers, Inc.
5 CENTENNIAL DRIVE
PEABODY, MA 1960

Each licensee is solely responsible for notifying the Florida Board of Professional Engineers in writing the licensee's current address.

Name changes require legal documentation showing name change. An original, a certified copy, or a duplicate of an original or certified copy of a document which shows the legal name change will be accepted unless there is a question about the authenticity of the document raised on its face, or because the genuineness of the document is uncertain, or because of another matter related to the application.

At least 90 days prior to the expiration date shown on this license, a notice of renewal will be sent to your last known address. If you have not yet received your notice 60 days prior to the expiration date, please call (850) 521-0500, or write, Florida Board of Professional Engineers, 2639 North Monroe Street, Suite B-112,Tallahassee, FL 32303-5268 or e-mail: board@fbpe.org. Our website address is http://www.fbpe.org.

State of Florida

Board of Professional Engineers

Attests that

Weston Sampson Engineers, Inc.

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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
Audit No: 228201501494

Certificate of Authorization

CA Lic. No: 26190

State of Florida
Department of State

I certify from the records of this office that WESTON & SAMPSON ENGINEERS, INC. is a Massachusetts corporation authorized to transact business in the State of Florida, qualified on October 13, 2004.

The document number of this corporation is F04000005869.

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 April 23, 2014, and its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the First day of July, 2014

Ken Detzner

Secretary of State

Authentication ID: CU8230358593

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

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

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.

Weston & Sampson Engineers, Inc.

Signature

Name of Business