



January 9, 2014

Richard M. Ferrara, Assistant Deputy Director
Contracts & Procurement Unit
Division of Property Management & Construction
State of New Jersey
33 West State Street
Trenton, NJ 08625-0034

RE: Proposal – Demolition Consultant Multiple Award Term Contract TC-008 – DPMC Project P1103-00

Dear Mr. Ferrara:

URS Architects/Engineers, Inc. (URS) is very excited at the opportunity to work with New Jersey Division of Property Management & Construction (DPMC) on this important contract. We have a profound understanding of the scope of services for this program, which was gained from our previous demolition projects, our experience with the State of New Jersey on current HUD CDBG Superstorm Sandy initiatives, and our experience with FEMA under multiple IDIQ contracts.

For this program, we have augmented our team with highly qualified teaming partners: LiRo Engineers, Inc.; USA Environmental, Inc.; Omega Environmental; and Richard Grubb & Associates, Inc. Within our proposal we delineate each firm's role and qualifications, as well as identify staff that will support the Demolition Consultant Term Contract.

The URS Team brings the following advantages to DPMC for the Demolition Consultant Term Contract:

A Highly Qualified Program Manager to Lead the URS Team: Philipp Sieber, PE, MBA has more than 20 years of experience in the areas of program, project and construction management; project scheduling, cost estimating and cost control; contract management; environmental (multimedia) and social due-diligence; environmental investigations and remediation; permitting; environmental management systems; and homeland security. Throughout his career, Mr. Sieber has been involved in the program/project management of projects comprised of multi-disciplinary teams across multiple locations. His experience includes serving as Project Manager for the NJDEP CDGB-DR Program, in which he commits resources to complete task orders generally assigned on a weekly basis. His experience also includes managing PSE&G's Resource Recovery and Environmental Compliance project, which consists of providing waste management and environmental compliance support to over 100 multi-site electrical infrastructure rehabilitation and reinforcement construction projects throughout the State of New Jersey.

An Extensive Portfolio of Local Demolition Projects: URS has been involved with hundreds of renovation projects ranging from very aggressive demolition to minimal "controlled" demolition work. Our services have included comprehensive design, environmental and construction services for small and large local demolition projects, including Green Brook Demolition and Floodproofing for US Army Corp of Engineers in Somerset and Middlesex Counties, New York City Department of Sanitation M1 Garage Demolition, Bristol Myers Squibb Transformation Project in Syracuse, New York; and New York City Department of Transportation Harper Street Yard Facility Upgrade. In addition, our teaming partner, LiRo Engineers, Inc. has been actively involved in demolition projects since the late 1980s. More recently, the firm performed a building by building survey to identify and inventory hazardous materials for DPMC's Marlboro Psychiatric Center Environmental Decontamination and Demolition Project in Marlboro, New Jersey.

Extensive Experience with HUD CDBG Programs: URS successfully processed more than 35,000 housing applications and administered hundreds of CDBG infrastructure projects. The knowledge gained and lessons learned provide a foundation for successful program delivery to DPMC. As an example, URS is working on the NJDCA's, Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program. In addition, URS

provided full service program management to the Mississippi Development Authority for the implementation of the \$5.4B Hurricane Katrina HUD CDBG Recovery Program.

In-Depth Knowledge of the Procedural, Technical and Graphical Specifications as Defined by FEMA: URS' experience has been gained through working with four FEMA regions, including Region II, by supporting FEMA under multiple successive IDIQ contracts for over 18 years, and serving as FEMA's "go-to" provider of expert technical services nationwide. URS provides on-site and office based support to FEMA at all phases of the disaster lifecycle, from hazard mitigation planning, immediate response and recovery assistance support, to long-term post-disaster compliance support. Over the years, URS has provided support to FEMA in over 185 disaster declarations through over 750 individual task orders. Also, since 1995, through multiple contracts worth over \$200 million, URS has been providing Flood Insurance Studies and Digital Flood Insurance Rate Map development and production services to FEMA nationwide as part of the Map Modernization Program and now Risk MAP.


Understanding and Knowledge of DPMC and NJDEP Policies and Procedures: URS has held several past and ongoing contracts with DPMC for projects with the New Jersey Department of Environmental Protection (NJDEP) and are quite familiar with the contracting protocols, reporting procedures, invoicing processes and forms. Presently, URS is performing on a similar DPMC/NJDEP Term Contract (Contract #P1066-00) entitled "TC-007 Floodplain Mapping Multiple Award Term Contract" in which we are performing surveying services, hydraulic and hydrologic services and preparing floodplain mapping depicting flood risk. This ongoing experience with a DPMC/NJDEP project demonstrates our experience with the agencies contracting procedures and the interrelationship between DPMC the State's contracting agent and NJDEP the contracts end user. Also, in 2013, NJDEP contracted URS to support the Superstorm Sandy HUD funded CDBG-DR Housing Recovery for New Jersey. In addition, URS has had a continued presence in New Jersey since the early 1960's and has participated in the environmental programs since the days of the Clean Air Act (1970), Clean Water Act (1972) and the RCRA (1976) programs. URS has worked under the various site cleanup programs such as Environmental Cleanup Responsibility Act (ECRA) and subsequently the Industrial Site Recovery Act (ISRA). Our local environmental professionals, including eleven Licensed Site Remediation Professionals (LSRPs), have gained their expertise not only through our project work, but also through a long history of working with the NJDEP.

An Outstanding Safety Record: URS is dedicated to safety and completed 2012 with a Total Recordable Incident Rate of 0.37, considerably below the industry average and an exceptional accomplishment. Also, in 2011, URS was named the "Nation's Safest Construction Company" by the Associated General Contractors of America. **Safety is of paramount importance to our team in every activity we perform.** URS is committed to the safety of our staff, contractors, and the general public for DPMC demolition projects.

A Commitment to MWBE participation: Although not a contract requirement, our team includes USA Environmental, Inc., an MBE and Richard Grubb and Associates, a WBE. URS has a successful track record meeting and/or exceeding M/WBE goals on all of our projects.

In closing, URS recognizes the importance of this Demolition Consultant Term Contract and we look forward to continuing a successful working relationship with DPMC. Should you have any questions, please do not hesitate to contact me directly at 973.883.8672 or by email at james.gilsenan@urs.com.

Very truly yours,
URS Architects/Engineers, Inc.


James M. Gilsenan, AIA, NCARB
Vice President

Organization Chart/Staffing Plan

Introduction

URS is a leading provider of design, engineering, and construction services and is recognized by Engineering News-Record as the #2 Design firm. For this Demolition Consultant Term Contract, URS has assembled a qualified and experienced team of professionals in site investigation and remediation; engineering and architectural design; and construction management. The combined experience of our team reflects the experience of organizational leadership, policy and procedure development at the programmatic level, a production focused management process, including time-saving techniques, procedures and significant construction oversight experience. The URS staff has worked together on previous projects and we propose to keep the same well-structured and efficient team to meet the specific needs of DPMC and NJDEP. We believe you'll find our team provides outstanding experience and an exceptional level of capability in professional consulting services to support this contract.

Our team has effectively combined URS' knowledge of HUD and FEMA requirements and NJ code to produce documents that will meet all the program requirements, meaning efficient municipal review and demolition operations.

Our Clifton, NJ architectural and environmental practice has provided design services to federal, state, and local municipalities for the past 25 years. We have been responsible for major complex task order projects organized to meet aggressive schedules with a constant flow of multiple/simultaneous assignments, similar to the important work included in this RFP.

URS Architects/Engineers, Inc. exceeds DPMCs' prequalification for Civil Engineering. The firm is also prequalified in architectural, engineering (MEP, structural etc.) and estimating. Also. URS Architects/Engineers, Inc. Subsidiary, URS Corporation, is prequalified in Environmental Engineering.

URS is uniquely qualified to provide you with full-service support. **We bring to the table an understanding of regulatory issues, design and permitting capabilities, and the knowledge of the technical aspects of demolition through our combined team strength of engineers, environmental specialists, and construction services staff. For example:**

- **URS has extensive demolition project experience.** The facility demolition that has occurred in many of these projects has also included a broad range of areas to be demolished, including structural, mechanical, and electrical interiors demolition, along with asbestos/lead paint abatement. **Our local experience includes such projects as New York City's Department of Sanitation's M1 Garage Demolition, Bristol Myers Squibb Transformation Project, Green Brook Demolition and Floodproofing, and New York City Department of Transportation Harper Street Yard Facility Upgrade.**
- **URS' wholly-owned subsidiary Cleveland Wrecking, Inc,** one of the nation's oldest and most respected demolition contractors specializing in the program management and dismantling of structures of all kind, **can assist our team in developing a demolition plan, which offers the best combination of safety, budget considerations, and schedule requirements.**

URS

- *A leader in providing professional Design and CM services in the New Jersey/New York metro area.*
- *Extensive experience in HUD CDBG Programs, including NJDCA RREM Program.*
- *Long and successful working relationship with FEMA through numerous IDIQ contracts.*
- *Exceptional local and national demolition project experience.*
- *Highly qualified staff dedicated to this project with direct experience working in New Jersey.*
- *A depth of resources, URS has more than 1,500 in the local area to address project tasks, if needed*

- **URS has extensive experience in HUD CDBG programs.** We successfully processed more than 35,000 housing applications and administered hundreds of CDBG infrastructure projects. The knowledge gained and lessons learned provide a foundation for successful program delivery. **As an example, URS is working on the NJDCA's, Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program.** URS also provided full-service program management to the Mississippi Development Authority for the implementation of the \$5.4B Hurricane Katrina HUD CDBG Recovery Program.
- **Nationally, for more than 15 years, as a joint venture partner of the Nationwide Infrastructure Support Technical Assistant Consultants (NISTAC) team supporting the Federal Emergency Management Agency (FEMA),** URS has provided technical assistance in response to disasters throughout the United States valued at more than \$250 million. We have completed more than 275,000 inspections and evaluated more than 45,000 projects exceeding \$4.5 billion in construction cost.

Safety is of paramount importance to our team in every activity we perform. URS is committed to the safety of our staff, contractors, and the general public for DPMC's demolition projects.

Our safety culture is rooted in behavior-based safety, both on and off the job, to ensure our safe habits result in the goal that "nobody gets hurt". Safe behavior is reinforced through daily safety focus meetings, job safety analysis, observations/feedback, and meeting frequently with our team members to review focus topics and share lessons learned. Each year, since 2006, all employees have been required to complete Behavior-based Safety training.

URS - We promote a Zero Accident Culture on ALL of our projects!

URS is committed to the safety of our employees, clients, contractors, and people in the communities where we work. Through our conscientious focus on safety, URS made 2012 one of the best years yet for safety with a TRIR rate of only 0.37, which is considerably below the industry average.

Key Management and Support Staff

Principal-in-Charge: James Gilsenan, AIA, NCARB. Mr. Gilsenan has more than 35 years of experience directing design teams for multi-disciplined projects. He served as Principal-in-Charge for the Demolition Design for District Garage 1 for the NYC Department of Sanitation and was/is Architectural Principal-in-Charge for several U.S. Military Academy West Point projects. He is currently serving as Design Principal and Architect of Record for the Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program, working closely with New Jersey Department of Community Affairs (NJCA) code review in obtaining plan approvals for 66 prototype housing models.

Program Manager: Philipp Sieber, PE, MBA. Mr. Sieber has more than 20 years of experience in the areas of program, project and construction management; project scheduling, cost estimating and cost control; contract management; environmental (multimedia) and social due-diligence; environmental investigations and remediation; permitting; environmental management systems; and homeland security. Throughout his career, Mr. Sieber has been involved in the program/project management of projects comprised of multidisciplinary teams across multiple locations. His experience includes serving as Project Manager for NJDEP CDGB-DR Program, in which he commits resources to complete task orders generally assigned on a weekly basis. Each task order includes from 20 to over 100 individual applications subject to environmental assessments and located throughout the State of New Jersey. He is responsible for interacting with URS' Program Manager; distributing work assignments to the staff; deploying the staff; and monitoring the execution, schedule and budget of each task order. His experience also includes managing PSE&G's Resource Recovery and Environmental Compliance project, which consists of providing waste management and environmental compliance support to over 100 multi-site electrical infrastructure rehabilitation and reinforcement construction projects throughout the State of New Jersey. Mr. Sieber also serves as the URS Clifton office Quality Officer

QA/QC Manager: Majed Khoury, PhD, PE. Dr. Khoury has 35 years of experience in geotechnical and civil engineering. Dr. Khoury has directed and/or managed staff and projects associated with large task order environmental and civil engineering projects. As Technical Reviewer/QA/QC Manager, he makes sure that the quality of the product meets the requirements of the contract and the client. He assures services we provide are in accordance with our standard of practice and a quality deliverable is achieved. He regularly performs quality project audits, which also address adherence to schedule and budget. His experience includes numerous New Jersey municipalities, counties and clients, and numerous building projects in New York.

Health and Safety Manager: Ms. Mona Parekh. Ms. Parekh serves as the Clifton, New Jersey Office Health and Safety Representative. Ms. Parekh has extensive experience in environmental, health and safety compliance in warehousing, manufacturing, and R&D environments. Her areas of expertise include: health and safety audits, employee training; incident investigations; job hazard analysis; field safety monitoring; exposure assessments; waste management and radiation safety awareness.

Site Investigations Manager: Bharti Ujjani, CIH. Ms. Ujjani has more than 20 years of experience in all aspects of regulatory compliance and site investigations. She has conducted numerous site assessments, site investigations, hazardous materials survey, including asbestos and lead based paint survey, development of scoping documents and bid specifications for site remediation, asbestos abatement and lead paint abatement in compliance with federal, state, and local regulations. She is well-versed in NJDEP requirements for site remediation, permitting, and disposal of contaminated and hazardous materials, the requirements of Department of Labor and Workforce Development (NJDOLEWD), U.S. Department of Housing and Urban Development (HUD) and NJDCA, and the Occupational Health and Safety Administration (OSHA) regulations.

Design/Permitting and Bid Packages Manager: Stu Klatzman, PE, PP. Mr. Klatzman has more than 35 years of experience and has been engaged in the direction, management and production of investigative studies, design, and construction. Mr. Klatzman served as a Morris County Planning Board Member from 2003-2010, was a member of the Morris County Open Space Committee and served as a member and chairman of the Washington Township Planning Board. He served as Engineering and Project Manager on numerous projects in New Jersey, such as the design for NJDEP's Raritan-Passaic Water Diversion Project. Mr. Klatzman's experience also includes numerous projects for NYCDEP, which included assisting the DEP in developing and evaluating design alternatives and in developing preliminary and final design criteria, drawings, and documents; providing design services and special expertise during construction and all phases of design, and advisory support for programmatic planning.

Construction Administration and Oversight Manager: Mark Miller, PE. Mr. Miller has more than 32 years of experience in project management, construction management, civil and environmental engineering and resident engineering. This experience has been built from successfully performing assignments with increasing levels of responsibility in wide areas of construction, engineering design, project planning and implementation of systems and programs for environmental, industrial, power, and related projects. His experience includes serving as Site Construction Manager for the City of Paterson, Colt Gun Mill Debris Removal Project, which included the removal of debris from this landmark status building and stabilization of the existing structure. Work included the removal of the collapsed structure, recovery of artifacts, and coordination of field forces with the archaeologists and historians, and the recovery contractor.

Staffing Plan Overview

URS has developed a comprehensive management approach with a proven track record in accomplishing the efficient and cost effective services to assist NJDEP and DPMC Sandy Blue Acres Acquisition Program and other statewide demolition projects. As prime consultant, URS will bear sole responsibility for all product deliverables and provide NJDEP a single point of contact to address all coordination between NJDEP and the team.

The URS Team is comprised of the following firms:

Firm	Services	DPMC Prequalified
LiRo Engineers, Inc.	Lead Paint Evaluation/Project Management	Yes
USA Environmental, Inc.	Asbestos Design/Lead Paint Evaluation	Yes
Omega Environmental	Asbestos Design/Lead Paint Evaluation	Yes
Richard Grubb & Associates	Historic Preservation/Archaeology	Yes

LiRo Engineers, Inc. (LiRo) is a professional engineering and construction management firm with expertise in environmental, institutional and transportation projects. With offices in New Jersey, New York, Connecticut, Pennsylvania and California, LiRo serves public and private sector clients across the Northeast and West Coast ranging from villages and small companies to large corporations and state agencies. Established in 1983, the LiRo Group employs over 650 people, including Environmental Engineers; Geologists; Hydrogeologists; Chemists; Program and Construction Managers; Certified Asbestos Investigators, Designers & Monitors; Certified Lead Inspectors; Certified Environmental Professionals; Civil/Structural Engineers; Structural Engineers; Mechanical Engineers; Electrical Engineers; and Resident Engineers. The firm is ranked among the top 30 largest construction management firm nationally by Engineering News Record. LiRo offers complete program and construction management services for environmental and demolition projects. Their environmental services include environmental investigations, site remediation, design, construction and remediation operations throughout the New York metropolitan area.

LiRo

- Resources of more than 650
- Involved in demolition projects for more than 25 years
- Currently providing pre-demolition services to DPMC for Marlboro Psychiatric Center

LiRo provides consulting services relating to the identification, control and abatement of lead based paint (LBP) for Federal, State and private clients throughout the New York metropolitan area. LiRo's highly qualified staff includes EPA certified lead inspectors, SSPC trained lead specialists, certified industrial hygienists, engineers, scientists and technicians trained to provide a complete program of lead abatement services. The primary LBP services provided by LiRo include Lead Paint Surveys and Inspections; Lead Paint Scrape Sampling and Analysis; Lead Paint Abatement Design and Support; Lead Paint Abatement Monitoring and Waste Characterization.

LiRo and URS enjoy a successful working relationship on various types of projects. In New Jersey, LiRo and URS are teamed and successfully working together on NJDCA's Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program.

LiRo has been actively involved in demolition projects since the late 1980s. The firm performed a building by building survey to identify and inventory hazardous materials for NJPMC's Marlboro Psychiatric Center Environmental Decontamination and Demolition Project in Marlboro, New Jersey. In addition, LiRo has also completed large demolition projects for the City of New York, JetBlue Airways, New York City Transit Authority, and the New York City Department of Sanitation. In all of these projects, LiRo conducted focused investigations to identify, characterize and quantify asbestos containing material (ACM) and other hazardous materials (i.e., lead paint, PCB bearing equipment, drummed waste, mercury lights and switches, CFCs, etc.). For each project, the investigation results were used to develop cost effective building abatement and demolition design documents that were protective of site workers and the surrounding public.

USA Environmental Management, Inc., (USA) a corporation established in 1994, is a multi-disciplined environmental consulting, contracting and engineering firm with corporate headquarters in Philadelphia, PA, and a branch office in, Trenton, NJ. USA graduated the SBA 8(a) program in January 2004 and due to the retirement of its founder in December 2007, also graduated from its Minority-Owned Business (MBE) status. USA is also designated as a Small Business by the US Small Business Agency.

USA's professional staff of 47 plus comprises engineers, geologists, industrial hygienists, scientists, technicians and other professionals along with a construction division staff of Project Managers, Superintendents/Supervisors and Skilled Laborers whose varied backgrounds address the many detailed aspects of environmental and construction projects.

USA's team of professionals has a superb record of accomplishment in performing assignments for the New Jersey Department of the Treasury, Division of Property Management and Construction (DPMC) and its Client Agencies. Also, USA provided independent monitoring and inspection of asbestos, lead based paint, mold and radon remediation projects under the Industrial Hygiene/Third Party Monitoring – NJ Department of Environmental Protection, Division of Parks and Forestry contract. The environmental impacts monitored were associated with renovation or demolition of Park buildings and facilities. The firm's representatives, acting as the Asbestos Building Inspectors, Management Planners, Project Designers, monitored contractor abatement procedures for compliance with Federal, State and Local requirements including but not limited to the AHERA Guidelines and New Jersey Sub Chapter 8.

Omega Environmental Services, Inc., founded over 20 years ago, designed and managed a NJDEP Site Remediation for water and airborne chlorine contamination. The firm also managed IH exposure monitoring for chlorine gas associated with renovations and facility upgrade. **The firm's experience with other governmental clients includes:** New York City Department of Environmental Protection; New York City Human Resources Administration; United States Navy; United States Army; Arthur Kill Correctional Facility, Bergen County; City Of East Orange; City Of Hackensack; City Of White Plains; Edgewater Housing Authority; Jersey City Housing Authority; Passaic Housing Authority; Paterson Division of Health; Paterson Housing Authority; Paterson Housing Authority; Weehawken Housing Authority; and Yonkers Housing Authority.

Richard Grubb & Associates, Inc. (RGA) is a full-service cultural resource management firm established in 1988 and also a certified Women-owned Business. RGA has a multi-disciplinary staff of cultural resource professionals that meet or exceed the Secretary of Interior's Qualifications Standards (36CFR61) for archaeology, architectural history, and history. RGA has a current staff size of 32. Eleven RGA Principal Investigators and field directors hold current OSHA and Hazwoper training certifications. The Principal Investigators for archaeology have performed or supervised site assessments and screenings, Phase IA, Phase I and Phase II archaeological surveys and Phase III data recovery investigations of prehistoric and historic sites. The Principal Investigators for architectural history and history have performed or supervised reconnaissance and intensive-level architectural surveys and have successfully competed cultural resource mitigation, including HABS/HAER documentation, interpretive displays, educational brochures, preservation plans, and bridge preservation covenants. The firm's experience includes working on DPMC projects, including **Elmer Lake Dam Rehabilitation, Borough of Elmer, Salem County; DeMott Lane Bridge, Delaware & Raritan Canal State Park, Franklin Township, Somerset County, NJ; and Utility Upgrade, Monmouth Battlefield State Park, Manalapan Township, Monmouth County.**

USA Environmental

- *Successfully providing environmental consulting services for more than 20 years.*
- *Staff of 47 professional engineers, geologists, industrial hygienists, scientists and technicians*
- *Successfully performed on projects for DPMC and its client agencies*

Omega Environmental

- *20 years of experience*
- *Experience working with NJDEP*
- *Work experience includes many government clients, including housing authority's in New Jersey*

RGA

- *25 years of successfully providing full-serve cultural resource services*
- *Extensive experience working on DPMC projects*
- *A staff of 32 professionals*

Organization Chart

The Organization Chart in this section summarizes the reporting chains of the exceptionally skilled staff specifically assembled to ensure that we provide you our highest level of service. The resumes and "Project Key Personnel List" attached in this section highlights the work experience and provides a summary of the anticipated project commitment for each key staff member provided on the organization chart. The roles and responsibilities of each of the proposed staff members selected for this project and a summary of their qualifications are detailed in this section.

The URS Project Principal Mr. James Gilsenan, AIA, NCARB and Program Manager Philipp Sieber, PE are experienced in mobilizing and demobilizing the right technical staff to match the level of experience required for each phase of the project.

The URS Team has the capacity to staff, manage, and perform a significant workload. The organization chart in this section depicts our core staff resource pool allocated for this project and includes people dedicated to their specific roles. While we believe this dedicated allocated staff is sufficient to meet the needs of this contract, if workload dictates, we will draw on our extensive local staff to meet surge requirements. Capacity is not just numbers; it's the ability to manage those resources effectively to be able to build up project staff quickly and to demobilize just as quickly. This is particularly true of IDIQ type assignments.

The URS Team has a staff of more than 2,000 qualified professionals in the New Jersey Metropolitan area. **This dedicated and diverse group of professionals consists of civil engineers, geotechnical engineers, geologists; construction specialists; environmental engineers, scientists and technicians; LSRPs, asbestos and lead certified specialists; architects, planners; and GIS and CADD operators.** It is supplemented, as needed, with in-house technical specialists such as mechanical engineers, electrical engineers, schedulers, specification writers, and cost estimators.

URS' office in Clifton New Jersey has exceptionally strong civil engineering, environmental and construction services capabilities. This office will provide excellent coverage throughout the state. URS, LiRo, and our team of subconsultants will provide DPMC the depth of resources, which will allow our project team to respond to Work Orders in a timely and efficient manner.

Current Work Load

One of the advantages of being such a large firm with great depth of resources is the ability to accept new projects while honoring our existing commitments.

URS' projected workload anticipates the absorption of work presented by this assignment without difficulty, even in the event of a significant increase in the project's scope. In addition, we have the resources available to commence work immediately, seamlessly and with no learning curve. The key personnel we introduce are available upon notice to proceed to perform the services associated with this project. Our key staff members have repeatedly achieved their project's scheduling goals and have responded to our clients' needs.

In addition, we will have the availability of other staff as necessary, from the various offices within the relative proximity of the project sites. Our Team prides itself on the quality of our professional staff and the ability to meet every challenge that our profession demands. In many cases, if we need to tap into those resources, we can have additional personnel placed at the site either part-time or permanently. URS also maintains a state-of-the-art technology infrastructure, allowing its project managers to work with remote project team members on a real-time basis, facilitating changes immediately, and thereby reducing overall costs. Using existing technology, the Team is able to provide any additional services requiring expertise not available on site seamlessly and efficiently.

Roles/Responsibilities

Mr. Gilsenan, Vice President, Principal-in-Charge, has the authority to make immediate decisions on behalf of URS and will be the primary point of contact for contractual matters. He will be responsible for the overall financial administration of the contract, and making sure adequate resources are committed to each Work Order.

As Principal-in-Charge, in managing this IDIQ assignment, Mr. Gilsenan will be responsible for coordinating the following related activities:

- Communication with DPMC on all contract related issues
- Coordination with the Program Manager on the assignment of appropriate technical personnel to each delivery order
- Administrative and contractual management of the overall contract.

Mr. Philipp Sieber will serve as Program Manager and will be the primary point of contact on all technical matters and the primary liaison to the state throughout the execution of all Work Orders. In order to address simultaneous Work Orders, Mr. Sieber will be supported by Project/Work Order Managers Mr. Duane Seaman, PE, Mr. Tony Staniscia, AIA, Mr. Kevin Condon and Mr. Christopher Zaroni. They comprise the primary management team to deliver the services requested in the issued Work Orders.

As Program Manager, Mr. Philipp Sieber will be responsible for:

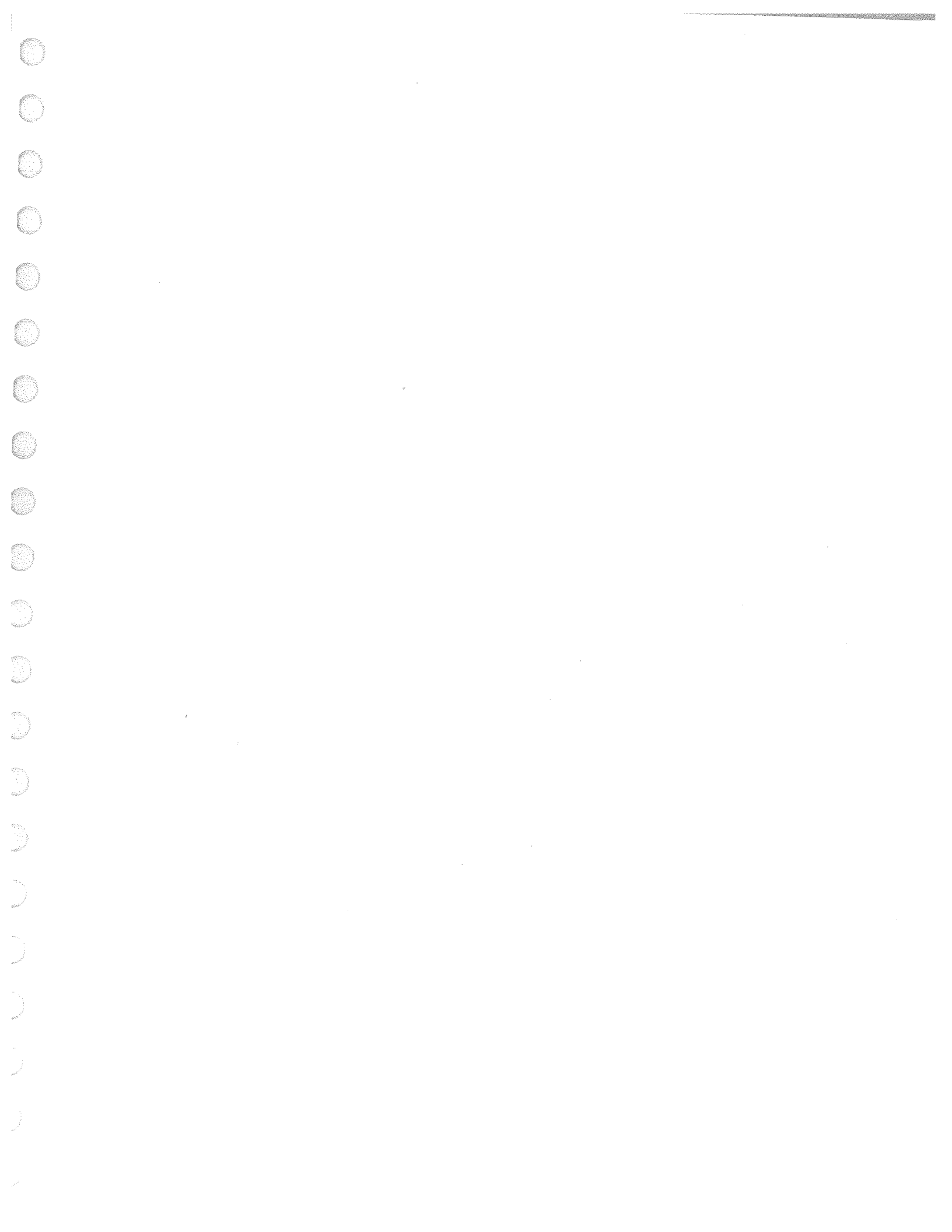
- Day -to-day management of all Work Orders managers and liaison to DPMC.
- Reviewing specific Work Orders and, if required, further discussion with NJDEP for clarification of technical direction
- Delivery of Work Order team mobilization including the selection of the Work Order managers, demobilization, debriefing and billing/payment
- Quality control of deliverables in collaboration with the designated QA/QC specialist Majed A. Khoury
- Ongoing coordination to identify workload and staffing requirements and to review the status and performance of ongoing and prior work assignments in the spirit of partnering with DPMC.

Independent of the management team, Dr. Majed Khoury, PE, a Vice President of URS will provide overall quality control and assurance to the project. Dr. Khoury brings over 30 years of experience in the delivery of large multi-task and multi-discipline projects and will ensure on a regular basis that the work of the project team adheres to the State and URS established quality principles and requirements.

Mona Parekh will serve as the project's Health and Safety Manager and assist our management and support staff with addressing field and office safety concerns as well as sourcing compliant and effective equipment and supplies. She will identify high-risk activities that require health and safety support; prepare site-specific Health and Safety Plans, Safe Work Plans and Job Safety Analyses and make sure that each Work Order initiated has a health and safety review. Ms. Parekh will also maintain health, safety and environmental related training records and provide field safety training to various URS disciplines on corporate and OSHA health and safety standards.

Technical resource personnel from each of the respective disciplines will support the management team in the production and implementation of each delivery order, including oversight of our team's sub-consultants. When a Work Order is active, the Principal-in-Charge, Program Manager and Project/Work Order Managers will engage in weekly, or more often as needed, coordination telephone calls or face to face meetings to address staffing assignments, technical concerns, schedule compliance and cost issues.

On the following page is a matrix detailing the responsibilities of the disciplines listed on our organization chart:



Discipline/Staff	Responsibilities
Project/Work Order Managers <ul style="list-style-type: none"> • Duane Seaman, PE • Tony Staniscia, AIA • Kevin Condon • Christopher Zaroni 	<ul style="list-style-type: none"> • Develop the scoping/staffing plan, schedule and cost associated with each Work Order assigned to them in coordination with the Program Manager and Technical Discipline Leaders. • Manage the day-to-day progress of the work, including permit requirements • Coordinate with the Technical discipline Leaders on specific task issues and staff/sub consultant performance. • Provide liaison with the Program Manager
Site Investigations and Planning Lead <ul style="list-style-type: none"> • Bharti Ujjani, CIH 	<ul style="list-style-type: none"> • Manage day-to-day progress of this Phase • Coordinate with the Technical discipline Leaders on specific task issues and staff/sub consultant performance. • Provide liaison with the Program Manager • Assign the appropriate staff to accomplish the related technical work • Monitor the technical delivery of the assigned staff and sub consultants
Design/Permitting and Bid Packages Lead <ul style="list-style-type: none"> • Stu Klatzman 	<ul style="list-style-type: none"> • Assign the appropriate staff to accomplish the related technical work • Monitors the technical delivery of the assigned staff and sub consultants • Provide technical leadership to the project in relation to: preparation of designs and bid specification packages, compliance with all environmental Statutes and Regulations with the various agencies, including archaeologically sensitive areas, site remediation and restoration design if required, and obtaining the necessary permits/approvals/releases
Construction Administration and Oversight Lead <ul style="list-style-type: none"> • Mark Miller, PE 	<ul style="list-style-type: none"> • Assign the appropriate staff to accomplish the related technical work • Monitor the technical delivery of the assigned staff and sub consultants • Provide technical leadership to the project in relation to: bidding and award support, inspection/oversight of the demolition work and contractors, and project closeouts
Site Assessments <ul style="list-style-type: none"> • Christine Wagner, Task Manager • Jason Barrows • Michael Collins • Brian Rodriguez 	<ul style="list-style-type: none"> • Task Leader - Assign the appropriate staff to accomplish the related technical work and monitors technical delivery of assigned staff; and monitor the technical quality of the deliverable • Perform the field work associated with the task

Disciplines/Staff	Responsibilities
Asbestos/Lead Paint <ul style="list-style-type: none"> • Steven Rozek, Task Manager • Daniel Orlic • Nora Pears • Mark Jenkins • Veronica Kero • Anton Rezin 	<ul style="list-style-type: none"> • Task Leader - Assign the appropriate staff to accomplish the related technical work and monitoring technical delivery of assigned staff • Perform the field work associated with the task
Plans & Specifications <ul style="list-style-type: none"> • Eric Bodnar, PE - Task Leader • Alicia Vaccaro, PE • Brian Lainson, PE, CME 	<ul style="list-style-type: none"> • Task Leader - Coordinate with technical discipline leaders, Phase Lead and Program Manager. Monitor technical quality of the deliverable. • Develops plans & Specifications, including drawings.
Environmental Compliance <ul style="list-style-type: none"> • Dan Stettner, PG, CHMM, LSRP - Task Leader • Stephanie Mack • Akta Patel, PE 	<ul style="list-style-type: none"> • Task Leader - Coordinate with other technical disciplines. Technical Lead and monitor quality of the deliverable • Develop environmental plans & specifications • Develop work management and beneficial re-use plans • Oversee environmental compliance during construction
Permit Coordination & Approvals <ul style="list-style-type: none"> • Robert Ferrante, ASLA, PP - Task Leader • Sherri Albrecht • Gene McColligan 	<ul style="list-style-type: none"> • Task Leader - Coordinate with other technical disciplines. Serve as technical lead and monitor quality of deliverable. • Identify permit and complete permit applications
Bid Support & Precon Assistance <ul style="list-style-type: none"> • Eric Cifaldi, PE - Task Leader • Issam Findakly • Eric Bodnar 	<ul style="list-style-type: none"> • Task Leader - Organize and leads pre-construction meeting, and serves as Technical Lead. • Attend pre-bid meetings, answer bidders questions, review bids.
Field Inspections <ul style="list-style-type: none"> • Malik Rasool - Task Leader • Terrell Simpson • Gary Bodine 	<ul style="list-style-type: none"> • Task Leader - Coordinate with other technical disciplines • Perform field inspections associated with the construction oversight • Complete inspection reports
Project Closeouts <ul style="list-style-type: none"> • Eric Cifaldi, PE - Task Leader • Bill Izer • Issam Findakly 	<ul style="list-style-type: none"> • Task Leader - Serve as Technical Lead and monitor the quality of the deliverables. • Complete and prepare closeout documentation.
Surveying <ul style="list-style-type: none"> • Barry Gleissner, PLS 	<ul style="list-style-type: none"> • Perform surveys as needed
Public Outreach & Participation <ul style="list-style-type: none"> • Ann Terranova 	<ul style="list-style-type: none"> • Attend public meetings as needed • Interact with agencies as needed
Estimating <ul style="list-style-type: none"> • Peter Witt • Aaron Drum 	<ul style="list-style-type: none"> • Develop cost estimates to compare against bids • Assist during the bid review • Review change order requests
LSRP <ul style="list-style-type: none"> • Cathy Bryant, LSRP • Marion Craig, LSRP 	<ul style="list-style-type: none"> • Assist during design and engineering process as needed • Review Phase II ESAs as needed • Serve as project LSRP as needed.
Utility Coordination Brian Lainson, PE, CME	<ul style="list-style-type: none"> • Coordinate utility disconnections with utility companies • Obtain utility clearance
Historic/Archaeology <ul style="list-style-type: none"> • Damon Travgana • Paul McEachen 	<ul style="list-style-type: none"> • Perform historic/archaeological assessments, as needed • Assist in permitting process, as needed

PROJECT KEY PERSONNEL LIST

FIRM NAME	KEY PERSONNEL & TITLE	PERCENTAGE OF TIME ASSIGNED TO PROJECT										PERSONNEL LEVEL 1-7*
		Design Development Phase	Project Outreach	Final Design Phase	Permit Application Phase	Bidding & Award Phase	Construction		Closeout Phase			
							Office	Field				
URS	James Gilsenan/Principal-in-Charge	2%	1%	3%	2%	1%	2%	2%			7	
URS	Majed Khoury/QA/QC Manager	3%		4%	1%	3%	1%	1%			7	
URS	Philipp Sieber/Program Manager	20%	5%	20%	5%	5%	10%	10%			6	
URS	Duane Seaman/Project Manager	20%	5%	20%	5%	5%	5%	5%	10%		5	
URS	Tony Stanisical/Project Manager	20%	5%	20%	5%	5%	5%	5%	10%		5	
URS	Kevin Condon/Project Manager	20%	5%	20%	5%	5%	5%	5%	10%		5	
LiRo	Christopher Zanon/Project Manager	20%	5%	20%	5%	5%	5%	5%	10%		5	
URS	Bharti Ujjani/Site Investigations Manager	15%	5%	5%	5%			8%	2%		5	
URS	Stuart Klatzman/Design Manager	15%		20%	4%	1%					5	
URS	Mark Miller/Construction Admin Manager		1%		1%	3%	5%	25%	5%		5	
URS	Christine Wagner/Site Assess Task Leader	30%	2%		8%						4	
URS	Steve Rozek/Asbestos-Lead Task Leader	30%	2%		3%			5%			4	
URS	Eric Bodnar/Plans & Specs Task Leader/Bid Support	30%		25%		5%					4	
URS	Dan Stietner/Env. Compliance Task Leader	15%		20%	20%		5%				4	
URS	Robert Ferrante/Permitting Task Leader	5%		5%	45%		5%				4	
URS	Eric Cifaldi/Bid Support Task Leader/Closeout Task Leader					30%			30%		4	
URS	Malik Rasool/Field Inspection Task Leader						10%	50%			4	
URS	Mona Parekh/Health and Safety			3%			2%	10%			4	
URS	Jason Barrows/Site Assessment	50%						10%			3	

PROJECT KEY PERSONNEL LIST

FIRM NAME	KEY PERSONNEL & TITLE	PERCENTAGE OF TIME ASSIGNED TO PROJECT										
		Design Development Phase	Project Outreach	Final Design Phase	Permit Application Phase	Bidding & Award Phase	Construction		Closeout Phase	PERSONNEL LEVEL 1-7*		
							Office	Field				
LIRo	Richard Cerrato/Lead Paint	40%		2%	3%					5%		4
USA Environmental	Mark Jenkins/Asbestos Design/Lead	40%		2%	3%					5%		4
Omega Environmental	Veronica Kero/Asbestos Design	40%		2%	3%					5%		4
URS	Alicia Vaccaro/Plans & Specs	30%		30%								4
URS	Sherri Albrecht/Permitting	5%			15%							4
URS	Issam Findakly/Bid Support/Closeout					25%					35%	4
URS	Gary Bodine/Field Inspection									60%		4
URS	Bill Izer/Closeout										60%	4
URS	Barry Gleissner/Survey	5%		5%						10%		4
URS	Ann Terranova/Public Outreach		15%									5
URS	Peter Witt/Estimating	5%		8%						2%		5
URS	Marion Craig/LSRP			5%	5%							5
URS	Cathy Bryant/LSRP			8%	2%							4
URS	Daniel Hoffner/Demo Tech Advisor	3%		5%					2%			5
Richard Grubb Assoc	Damon Travagana/Historic & Archeology	3%									7%	4
Richard Grubb Assoc	Paul McEachen/Historic & Archeology	3%									7%	4

*INSERT THE WAGE LEVEL FROM 1 TO 7 OF EACH KEY PERSON. DO NOT INSERT ANY HOURLY RATE

Note: Percent (%) assignment represents % commitment throughout the duration of the project. During periods associated with specific phases of the work orders relevant to their assigned roles, personnel could work at higher percentages than their total % indicated above.



Philipp Sieber, PE, MBA

Program Manager

Areas of Expertise

Project Management
International Projects
Oil and Gas Industry
Environmental Projects
Civil Engineering
Storm water Quality
Management
Erosion and Sediment Control
Scheduling / Cost Control
Due-Diligence
Environmental Remediation
Environmental Compliance
Environmental Site
Assessments
Environmental Management
Systems
Sustainability

Education

MS/International
Business/University of
Colorado
MBA/Business
Administration/University of
Colorado
MS/Civil Engineering/Colorado
State University
BS/Civil
Engineering/Universidad
Metropolitana

Registration/Certification

Professional Engineer,
Colorado
40 Hour OSHA 29 CFR
1910.120
CDOT Erosion Control
Supervisor
URS Certified Project Manager

Mr. Sieber has more than 20 years of experience in the areas of program, project and construction management; project scheduling, cost estimating and cost control; contract management; environmental (multimedia) and social due-diligence; environmental investigations and remediation; permitting; environmental management systems; and homeland security. Throughout his career Mr. Sieber has been involved in the program/project management of projects comprised of multidisciplinary teams across multiple locations. His experience includes serving as Project Manager for NJDEP CDGB-DR Program, in which he commits resources to complete task orders generally assigned on a weekly basis. Each task order includes from 20 to over 100 individual applications subject to environmental assessments and located throughout the State of New Jersey. He is responsible for interacting with URS' Program Manager; distributing work assignments to the staff; deploying the staff; and monitoring the execution, schedule and budget of each task order.

Project Specific Experience

New Jersey Department of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs, NJ: Project Manager for URS Clifton office team supporting the program. Ensures resources are available to complete task orders generally assigned on a weekly basis. Each task order includes from 20 to over 100 individual applications subject to environmental assessments and located throughout the State of New Jersey. Responsible for interacting with Program Manager; distribute/assign the applications to the staff; deploy the staff; and monitor the execution of each task order.

PSE&G, NJ: Project Manager of Resource Recovery and Environmental Compliance project for Public Service Electric and Gas (PSE&G). Project consists of providing waste management and environmental compliance support to over 100 multi-site electrical infrastructure rehabilitation and reinforcement construction projects throughout the State of New Jersey. Also was responsible for direct interaction with the client's management team; staff oversight; senior technical and administrative support; cost control; and contract management.

Dubai Aerospace, Various Locations: Project Manager of a due-diligence project associated with the sale of 25 airport sites across the United States and Canada. Responsibilities also included managing the preparation of 25 Phase I ESAs by multiple URS offices across the U.S. and Canada.



Hess, Pennsylvania: Construction Manager for the construction of well pads in northeast Pennsylvania for the Marcellus Shale development.

PSE&G, NJ: Prepared a Stormwater Pollution Prevention Plan (SWPPP) for the Susquehanna-Roseland transmission line project in compliance with the NJPDES 5G3 Construction Activity General Permit. Project also included development of plans and specifications to be incorporated in the SWPPP.

E. I. duPont de Nemours, New Jersey: Reviewed existing discharge permits for an existing plant in New Jersey and provided recommendations that resulted in over \$10,000 of annual savings. Also provided oversight during preparation of two separate Erosion and Sediment Control plans at another one of their existing facilities.

InterAmerican Development Bank, Various Locations: Reviewed Environmental Management Plans and performed multimedia environmental, health and safety, and social due-diligence audits for projects related to gas transportation facilities in Argentina and power plant construction projects in Mexico.

Toreador Resources Corporation (TRC): For oil exploration projects in Turkey and Romania developed environmental management systems and related plans (Public Consultation and Disclosure, Land Acquisition and Resettlement, and Archaeological Resources Protection) to maintain compliance with International Finance Corporation loan agreement requirements, including Performance Standards and EHS Guidelines.

Lockheed Martin Astronautics (LMA), Colorado: Project Manager for the execution of an erosion control study and preparing an erosion control manual for the LMA Waterton Canyon facility. Also included was the development of standard plans and specifications for stormwater management and soil erosion and sediment control; and construction oversight during construction of erosion control features.

The Jack Johnson Company, Idaho: Project Manager for the execution of a stormwater management plan, including erosion and sediment control and stormwater quality management best management practices for the development of a new ski resort located in Idaho. Included development of stormwater management and soil erosion and sediment control plans and specifications.

United States Air Force, F.E. Warren AFB, Wyoming, USA: Designed surface water control features, including hydrology, culverts, channels, and erosion control for a landfill closure project within the base. Included development of stormwater management and soil erosion and sediment control plans and specifications.

James Gilsenan, AIA, NCARB

Principal-in-Charge

Areas of Expertise

Project Management
Architecture
Coordinating Contract Documents

Education

Bachelor of Architecture/
Architecture/Oklahoma State
University

Bachelor of Architecture/
Architecture/Oklahoma State
University

Registration/Certification

Registered Architect in 13 states,
including New Jersey

Summary

Mr. Gilsenan has more than 35 years of experience directing design teams for multi-disciplined projects. His responsibilities at URS include project management and coordination of public and private sector projects, including facilities for military and academic buildings and facilities, major corporations, colleges and universities, and government agencies. He served as Principal-in-Charge for the Demolition Design for District Garage 1 for the NYC Department of Sanitation and was/is Architectural Project Principal for several U.S. Military Academy West Point projects. He is currently serving as Design Principal and Architect of Record for the Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program.

Project Specific Experience

NJDCA, Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program: Principal Architect responsible for development of fifty-seven new house models consisting of 2, 3 and 4 bedroom units designed in context with local New Jersey neighborhoods impacted by Super Storm Sandy. Responsible for obtaining plan review approval of each model from NJ Department of Community Affairs as prototypical house designs. Also, responsible for designs to rehabilitate damaged homes that require repair due to storm damage, and require elevation to meet new FEMA guidelines.

Demolition Design for New York City Department of Sanitation (DSNY), District 1 Garage, and New York, NY: Principal-in-Charge for demolition design of the DSNY garage located at 297 West Street, NYC.. The multiple-story mid-town building is located on a trapezoidal site bounded by West Street, Canal Street and Spring Street. The garage is adjacent to the Hudson Tunnel western ventilation shaft building, which is a historical landmark. Hudson Tunnel Tubes are beneath Canal and Spring Streets, adjacent to two sides of the site. Decommissioning services included testing for asbestos containing materials and abatement design, and design for removal of underground gas and oil storage tanks. URS has prepared Contract Documents for the decommissioning and demolition of the garage, and assisted DSNY in obtaining Department of Building approvals.

USACE New York District, Bartlett Hall Science Center, U.S. Military Academy, West Point, NY: Deputy Project Manager for STV/URS JV that completed final design for Phase II for the major \$210 million renovation which includes teaching and research laboratories for

biology, chemistry, physics and photonics (lasers), 45 general classrooms, a 340-person auditorium, faculty office space, computer labs and special facilities -- including NMR, subcritical nuclear reactor, linear accelerator, astronomical observatory and chemical storage. Designed to achieve LEED Silver certification (or higher).

USACE New York District, New Cadet Barracks, U.S. Military Academy, West Point, NY: Deputy Project Manager for STV/URS JV for the 15% design and development of bridging documents for a Design/Build RFP package of a new 286,000-sf barracks building at the U.S. Military Academy. The \$167 million project is a 6-story barracks building that will house 650 cadets and includes meeting and common rooms, bathrooms, and laundry facilities.

USACE New York District, Underground Steam Pipe Rehabilitation, U.S. Military Academy, West Point, NY: Design Principal for architectural, structural and mechanical engineering design. Rehabilitation work included complete or partial replacement of ten underground concrete vaults, ranging in size of 400 sf to 600 sf, with new pre-cast concrete vaults, rated for DOT H-20 roadway loads and new steam pipe fittings and equipment, while minimizing disruption to campus activities. Scope of work also included removal of a 400-foot section of underground steam pipe access tunnel, and replaced with a direct-buried engineered pipe for high and medium steam system.. All modifications to the existing steam pipe system were coordinated with West Point Environmental Compliance Group for installation in a historic district without adverse impact.

USACE New York District, West Point Museum Building Exterior Study and Rehabilitation, West Point, NY: Deputy Program Manager for a comprehensive building envelope waterproofing study and preparation of construction documents for the prestigious and historic West Point Museum of military history. Design work included masonry rehabilitation; slate, flat and metal roofing investigation, repairs and replacements; structural analysis of the tower and remedial work as found necessary; and environmental inspections and associated remedial specifications. In addition, project included designs for replacements and modifications to various HVAC equipment that services museum archives; electrical work associated with the HVAC upgrades; interior finish repairs for water damage and building modifications necessary to accommodate HVAC work.

USACE New York District, Eisenhower Hall Water Infiltration Investigation, U.S. Military Academy, West Point, NY: Architectural Project Principal -- Responsible for assuring all project resources are provided for this water infiltration and exterior structural deficiencies investigation for Eisenhower Hall, a 400,000-sf multiple story masonry structure. Based on investigation work and review of as-built drawings, URS developed phased design solutions for each specific water

infiltration condition and recommend corrective measures for structural deficiencies throughout the building. The \$25 million project consisted of three phases to accommodate limited fiscal funding and the need to maintain continuous occupancy and service of the building.

United States Military Academy - Indefinite Quantity Contract, Army Contracting Agency, West Point, NY: Project Principal for the following task orders:

- Expansion of the nation's largest Arms Room at Washington Hall including mechanical control of humidity, expansion and connection of fire suppression system, security upgrades, life safety upgrades, power and lighting. Responsible for design, construction documents and specifications.
- Design and construction documents for an E85 and Hydrogen fueling station.
- Design and construction documents for a phased replacement of the operating rooms and pathology laboratory air handling units at Keller Army Hospital
- Design alternatives for the replacement of an aluminum and glass curtain wall construction at Washington Hall.
- Design alternates for a new ADA compliant toilet facility adjacent to the historic Cadet Chapel.
- Design alternates for upgrades to the basketball and hockey facilities at the Hollender Center.

NYC Department of Sanitation Indefinite Quantity Contract, City of New York, NY: Principal-in-Charge for Indefinite Quantity Contract. Task orders included: New Underground fuel storage tanks and fuel pump stations, Emergency repairs to sheared girders in occupied garage facility, Evaluation and recommendations for adjacent building settlement during construction operations at West 56th street, NYC., ULURP approvals for new salt shed at East 125th street, NYC and Feasibility analysis / cost estimate for a proposed two story buried garage facility at West 30th street, NYC. Forensic Monitoring Program for destabilized structure adjacent to an open excavation at Queens North facility in Flushing.

Task Order Liaison, United States Postal Service CMSS IDIQ, Nationwide: Task Order Liaison for field investigation, analysis, estimating and final reports on Architectural Barriers Act Evaluation of existing, leased facilities in portions of the Eastern, Northeastern and New York Facility Service Regions.



C. Duane Seaman, PE

Project/Work Order Manager

Overview

Mr. Seaman is an experienced project manager responsible for the management and implementation of civil engineering design and construction management projects. During his 33 years of experience, he has been involved in the design and construction management of numerous solid and hazardous waste projects, including Brookfield Ave Landfill Hazardous waste site. These projects range in scope from landfill construction to contaminated site demolition to hazardous waste remedial construction. Mr. Seaman also has extensive experience in solid and hazardous waste litigation. Mr. Seaman has 33 years of experience in all regulatory and engineering aspects of landfill and Brownfields design, construction, and construction management. He is experienced in all major current project scheduling software, contracting, change orders and claims management.

Areas of Expertise

- Environmental Construction
- Civil Construction Management
- Project Management
- Hazardous Waste Management
- Demolition Oversight

Education

- BS/Civil Engineering/U.S. Military Academy
- 1978/U.S. Army Engineer Office Advanced Course

Registration/Certification

- Professional Engineer/New York, Massachusetts, Virginia

Project Specific Experience

Brookfield Avenue Landfill, Staten Island, New York: Project Manager for the construction management of the remediation of the landfill. This remediation project consists of a construction contract valued in excess of \$250 million. The project components consists of construction of a 15,000lf slurry wall, leachate filtration treatment facility, Hazardous waste management, and the construction of final cover on the landfill comprising over 125 acres. Also includes the demolition of existing site facilities and asbestos abatement. The project also includes site restoration of 125 acres into New York City park land by placing 15,000 trees and shrubs in distinct planting islands.

Clarkstown Landfill Closure, NY: Construction Project Manager for the Clarkstown Landfill, an 85-acre hazardous waste landfill which was being closed under the direction of the Hazardous Waste Remediation Group of the NYSDEC using partial funding from the EQBA. The work includes a leachate collection and discharge system, a landfill gas collection and flaring system, a slurry cut-off wall, wetland remediation and 85 acre of PVC capping. Responsibilities include supporting the client in submissions to the DEC for EQBA funding, handling all change orders, overseeing a staff of inspectors, resident engineers and design staff supporting the field effort and completing the closure certification report.

Fountain Avenue Landfill, Brooklyn, New York: Project Manager for the construction management of the remediation of the landfill. This remediation project consists of four construction contracts valued in excess of \$200 million. The project components consists of



construction of a 300' Barge off loading pier, leachate filtration treatment facility, Hazardous waste management, and the construction of final cover on the landfill comprising over 300 acres. Also included demolition of existing site facilities. The project also includes site restoration of 300 acres into Jamaica Bay park land by placing 17,000 trees and shrubs in distinct planting islands.

Lord Rubber Co., Erie, PA: Provided construction management and supervision for the cleanup of an EPA superfund site including loose 55-gallon drums and ponded hazardous wastes, construction of a 300 linear-foot slurry wall and work platform and a composite cap (clay/PVC geomembrane) for this Pennsylvania Superfund Site.

Fresh Kills Landfill (Sections 2/8 and 3/4) Staten Island, NY: Project Construction Manager for the concurrent closures of both sections (320 ac). This work was the follow-on for the design work previously performed. This work included greater than 10 million sq. ft of HDPE cap, 4 million CY of soil, and \$42 million in construction cost. The project team consisted of 16 inspectors, resident engineers, assistant project managers and supporting laboratories.

Browning Ferris Hazardous waste site, Monroe Township, NJ: Project Manager for the construction management on the installation of 8,000 linear feet of compacted clay cut-off wall and leachate collection system including leachate pretreatment and discharge to a sewer system and 60-acres of compact clay cap. The project included supervision of soils, testing, field observation, daily logs, and health and safety.

Sullivan County Landfill Expansion (Cell 3), NY: Design and CM Project Manager. The project consisted of designing a new 9 acre landfill cell as a continuation of a permitted landfill and then overseeing the construction of the cell. The manager's role in the design simplified his role as construction manager allowing for faster responses to construction difficulties and last minute regulatory delays and confusion/additions. These included the need to design and build a 30 CFS stormwater treatment plant to handle the 100 year storm after the contract was awarded for the cell construction.

Fresh Kills Landfill Closure, NY: Project Manager for the Fresh Kills Landfill Closure is a \$8.3 million six-year project incorporating six subcontractors and 25 SCS employees in three offices. This project required the completion of six consent order deliverables and seven construction bid packages worth over \$40 million, as well as three years of construction management and observation services. The project required both US Corps of Engineers and New York State Department of Conservation (DEC) permits for tidal and freshwater wetlands for 16 outfalls and sedimentation basins and SPDES permits to allow for actual discharges.



ILR Landfill, Edison, NJ: Project Manager for the capping of a 160-acre landfill and 10,000 linear feet of clay cut-off wall. This \$13 million project took over two years to complete and required the placement of over 1 million yards of clay, soil and topsoil. The project included supervision of all soil testing, field observation, daily logs and personal management.

South Brunswick Hazardous waste Landfill, NJ: Provided management and supervision for the construction of a leachate containment dike, stormwater diversion swales, leachate pump station, and a slurry wall work platform. Included were field design materials selection, selection of contractors, and coordination with NJDEP.

Solid and Hazardous Waste Remediation, Various Locations, NJ, NY, PA, MA, MD: Project experience includes work at municipal, hazardous waste and Superfund sites including the following landfills: South Brunswick Township Landfill, New Jersey; Monroe Township Landfill, New Jersey; Lord Chemical Company Landfill, Erie, Pennsylvania; Edgeboro Landfill, New Jersey; Turi Landfill, New York; Hamms Landfill, New Jersey; Mt. Holly Landfill, New Jersey; Milford Landfill, New York; City of Annapolis Landfill, Maryland; Bridgewater Landfill, Massachusetts; Central Landfill, Rhode Island and, Howard County Landfill, Maryland. His experience includes providing engineering concepts and designs for numerous sites with emphasis on slurry wall and compacted clay technology. Also performed constructability reviews of numerous remediation projects and construction cost estimates. He has conducted site area visits to develop approved and permitted sources of liners, cut off walls, capping and slurry wall backfill materials in conjunction with remedial projects. This included field and laboratory testing, applications for mining permits, and contract negotiations. Project management duties included establishment of a health and safety program, QA/QC inspection programs, contract negotiation, and design of change orders.

Confidential Client, NJ: Provided engineer design to determine the nature and extent of contamination (gasoline) and review of well logs and chemical data. This project included a design for individual potable water well treatment units (MTBE) and a groundwater pump and haul.

Professional Societies/Affiliates

American Arbitration Association



Areas of Expertise

Project Management
Design
Specifications

Education

BArch/Architecture/ New York
Institute of Technology

Registration/Certification

Registered Architect: NY

Anthony Staniscia, AIA

Project/Work Order Manager

Summary

Mr. Staniscia is a registered architect with more than 30 years of experience in the design and specification of new construction and rehabilitation projects. He served as Project Manager for the Demolition Design of DSNY District Garage. His other experience includes many U.S. Military Academy projects for USACE New York District, such as the New Cadet Barracks, Bartlett Hall Science Center, and Eisenhower Hall Water Infiltration Investigation. He has been responsible for the design and production of large-scale, multi-discipline rehabilitation projects requiring complex coordination and phasing.

Project Specific Experience

Demolition Design for New York City Department of Sanitation (DSNY), District 1 Garage, New York, NY: Project Manager for demolition design of the DSNY located at 297 West Street, NYC and replaced it with a Salt Storage Structure. The multiple-story mid-town garage is located on a trapezoidal site bounded by West Street, Canal Street and Spring Street. The garage is adjacent to the Hudson Tunnel western ventilation shaft building, which is a historical landmark. Hudson Tunnel Tubes are beneath Canal and Spring Streets, adjacent to two sides of the site. Decommissioning services included testing for asbestos containing materials and abatement design, and design for removal of underground gas and oil storage tanks. URS has prepared Contract Documents for the decommissioning and demolition of the garage, and assisted DSNY in obtaining Department of Building approvals.

Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program: Subject Matter Expert prepared a code study of the Uniform Construction Code of New Jersey / Subchapter 6 – Rehabilitation Code inclusive of the criteria necessary to meet the Energy Star Version 3 National Program criteria.

Mr. Staniscia reviewed and coordinated the prototype drawings prepared by URS for compliance with the code and Energy Star V3 criteria. He coordinated the development of the prototype drawings and their approval by the Plans Review Section of the New Jersey Department of Community Affairs.



Mr. Staniscia's responsibilities included the preparation of the Minimum Program Standard for the Construction of New Dwellings and the Standard for the Rehabilitation of Existing Homes in compliance with the HUD Housing Quality Standards (HQS), the HUD Green Building Checklist for Rehabilitation and Energy Star requirements. He spearheaded the production of two distinctly separate specifications, one for the Construction of New Dwellings and the other for the Rehabilitation of Existing Homes. Each of these specifications was coordinated with the associated Standards document.

Mr. Staniscia also fulfilled a role in Quality Assurance program, performing Detailed Independent Technical Reviews of the drawing products.

USACE New York District, New Cadet Barracks, U.S. Military Academy
West Point, NY: **Deputy Task Order Project Manager** for the STV/URS JV responsible for coordination of technical support staff and consultants, quality control review, and field investigations for a design/build RFP package and architectural design package for the construction of a new 286,000-sf barracks building at the United States Military Academy. The \$192 million project is 6-story barracks building that will house 650-cadets and include meeting and common rooms, bathrooms, and laundry facilities.

USACE New York District, Underground Steam Pipe Rehabilitation, U.S. Military Academy, West Point, NY: Project Manager for architectural, structural and mechanical engineering design. Rehabilitation work included complete or partial replacement of ten water-tight, pre-cast concrete vaults, ranging in size of 400 sf to 600 sf, rated for DOT H-20 roadway loads, while minimizing disruption to campus activities. Within the vaults work included installation of ventilation, lighting and NEMA rated electrical devices for a 160 degree F wet environment, sump pits and sump pumps; removal and replacement of deteriorated piping, fittings, specialties, and reinstallation of piping, fittings, expansion joints, thrust anchors, piping supports, stainless ladders, access doors, and complete re-insulation of all exposed steam heat infrastructure and a protective ridged insulation cover (metal); final pipe and fitting orientation ensuring proper access for preventative maintenance. Removal of the 400-foot section of tunnel, and replace with a direct-buried engineered pipe system. Expansion compensation was provided by a direct buried loop and direct buried anchors. All modifications to the existing steam pipe system were coordinated with West Point Environmental Compliance Group for installation in a historic district without adverse impact.



Indefinite Quantity Contract, United States Military Academy, Army Contracting Agency: Senior Project Manager for the following task orders:

- Expansion of the nation's largest Arms Room at Washington Hall including mechanical control of humidity, expansion and connection of fire suppression system, security upgrades, life safety upgrades, power and lighting.
- Design and construction documents for an E85 and Hydrogen fueling station.
- Design and construction documents for a phased replacement of the operating rooms and pathology laboratory air handling units at Keller Army Hospital
- Design alternatives for the replacement of an aluminum and glass curtain wall construction at Washington Hall.
- Design alternates for a new ADA compliant toilet facility adjacent to the historic Cadet Chapel.
- Design alternates for upgrades to the basketball and hockey facilities at the Hollender Center.

United States Military Academy, Eisenhower Hall Water Infiltration Investigation, West Point, NY: Project Manager for an Investigative Report and resulting Construction Documents addressing water infiltration and a variety of interior upgrades at Eisenhower Hall. The 400,000 SF multiple story masonry structure contains 4,000-seat auditorium, grand ballroom, campus cafeteria and administrative support offices. Life safety upgrades include the installation of a sprinkler system throughout the building including a new fire pump, an emergency generator, fire alarm upgrades and emergency lighting. A new orchestra pit lift, theater lighting and sound system is being installed at the auditorium. The plaster ceilings were tested for ACM prior to removal and replacement. The ticket office received a facelift with new updated finishes and a new vestibule was added for energy conservation. The \$25 million dollar project will have 3 phases to accommodate limited fiscal funding and the need to maintain continuous occupancy and service of the building.

Modernization of Bartlett Hall Science Center, US Military Academy, West Point, NY, United States Army Corps of Engineers: Deputy Project Manager for \$153 million dollar gut renovation of the Multi-purpose Academic Science Building, Bartlett Hall / Cadet Library. Duties to include coordination of site investigation process which included the design and implementation of interior geological boring program. Other specialty disciplines include seismic rehabilitation, historic preservation and life safety evaluation.



NYC DOT, Brooklyn Bridge Maintenance Shop, New York City, NY: Project Manager and lead designer of a new maintenance shop within the bridge abutment of this historic structure on the Brooklyn side of the East River. Project included a careful code study to assure a safe working environment within a bridge abutment that by definition is not a building and therefore out of the jurisdiction of the Department of Buildings. The gut renovation included asbestos and lead based paint abatement. The re-design incorporated electric and compressed air services to 8 work bench stations and a variety shop equipment, the design of a series of parts storage cabinets, lockers, toilets, showers, laundry, kitchen, break room and offices. A mezzanine was provided to increase the overall usable area. The shop is fully air conditioned and includes CO exhaust system, an emergency generator, fire alarm and CCTV systems. Careful attention was paid to minimizing the exterior impact of the renovation and maintaining 'no adverse effect' on the historic structure. Structural reinforcement at the underside of the overhead bridge deck for equipment support was closely coordinated with bridge deck replacement project, also designed by URS.

Department of Environmental Protection, New York State, Hunts Point Water Pollution Control Plant, Bronx, NY: Project Architect for Phase 1 of a 3-Phase process plant and facility upgrade. This first phase was a \$200 million project that including the demolition of the existing single story administrative wing and replacement with a new 21,000 sq. ft. personnel addition, an 18,000 sq. ft. process facility, 14 assessor pump and process buildings and a new masonry veneer on the existing 110,000 sq. ft. main bldg. Mr. Staniscia was responsible for architectural design, specifications and inter-discipline coordination. The basement of the facility, which is below sea-level, was designed to resist the hydrostatic tidal pressures. Mr. Staniscia then served as Project Manager for the Architectural portion of the 2nd phase budgeted at approximately \$250 million dollars and includes: Aeration and Centrate process buildings, and a new electrical substation.

Project Manager, NYC Department of Sanitation Indefinite Quantity Contract, City of New York, NY: Project Manager for Indefinite Quantity Contract. Task orders included: New Underground fuel storage tanks and fuel pump stations, Emergency repairs to sheared girders in occupied garage facility, Evaluation and recommendations for adjacent building settlement during construction operations at West 56th street, NYC., ULURP approvals for new salt shed at East 125th street, NYC and Feasibility analysis / cost estimate for a proposed two story buried garage facility at West 30th street, NYC. Forensic Monitoring Program for destabilized structure adjacent to an open excavation at Queens North facility in Flushing.



Kevin E. Condon

Project/Work Order Manager

Areas of Expertise

Civil Engineering
Construction Management
Environmental Site Assessment
Environmental Site Assessments
Environmental
Health and Safety
Hydrologic/Hydraulic Engineering
Investigation
Quality Control
Safety
Site Assessment
Subsurface Evaluation

Education

Bachelor of Science / Civil Engineering / Drexel University

Mr. Condon has over 15 years of experience in field activities, oversight, analysis, and reporting for quality control of construction and various phases of site assessments and investigations on a wide variety of projects. He also has extensive experience in civil engineering construction management and design, hydrologic and hydraulic engineering, and environmental site assessments and investigations.

Project Specific Experience

Former Nuodex Corporation Site, Keasbey, NJ: Resident Engineer and owner's representative for design-build of remediation under NJDEP remedial action work plan, upland redevelopment for commercial/industrial use and wetlands mitigation of various portions of the 185 acre site. Specific responsibilities include review of design/construction documents; chair of regular design/construction progress meetings; and oversight of construction quality assurance, cost control, safety and permit/regulatory for all phases of project construction. Project construction components include demolition of existing building structures; excavation and off-site disposal or on-site consolidation of contaminated soils; installation of a 7,000 linear foot hydraulic barrier wall; filling/grading and installation of drainage features and utilities for redevelopment parcels; and installation of a groundwater extraction and treatment system.

Alley Creek CSO, Queens, NY: Project Engineer for design services during construction for the Alley Creek drainage area improvements, new CSO retention facility, and existing pumping station and outfall upgrades. Specific responsibilities include review of/response to contractor submittals and RFIs, coordination and design of upgrades and modifications based on field conditions.

Atlantic City/Brigantine Connector Project, Atlantic City, NJ: Task Leader for Subsurface Field Investigation. Responsible for installation of test borings, test pit excavations, and piezometers, implementation of site health and safety plans, and monitoring worker and perimeter air quality during drilling.

Engineering Pre-Design Studies and Remedial Action at the PSE&G Former Gas Plant, Paterson, NJ: Conducted field activities for the Engineering Pre-Design Studies and Remedial Action at the PSE&G former gas plant. Responsible for the installation and development of monitoring wells, the implementation of site health and safety plans, and the monitoring of worker and perimeter air quality during drilling and utility excavations.

Fuel Storage Tank Systems Closure, Replacement and Remediation



Project, Statewide, NJ: Project Engineer responsible for the design and construction management of the closure, replacement and remediation of fuel storage tank systems under the State of New Jersey Department of Property Management and Construction at over 60 facilities statewide. Design responsibilities included developing construction drawings, technical specifications, cost estimates, SPCC plans, site investigation reports and remedial action plans. Construction management responsibilities included construction quality control for contract compliance, technical interpretations of plans and specifications, review of contractor submittals and evaluation of change order proposals.

Pennsylvania and Fountain Avenues Landfills, Brooklyn, NY: Deputy Project Manager for engineering design services during construction for the closure of the Pennsylvania and Fountain Avenues Landfills project for the NYCDEP. Specific management responsibilities include attending monthly progress meetings, the review of/response to contractor submittals and RFIs, design of utility upgrades and oversight of the development of design modifications based on changed field conditions, including the creation of quantity/cost estimates. Developed hydrologic analyses for the modification of drainage sub-sheds at the two landfills based on modifications to site grading for erosion control and incorporation of drainage features/structures and revised roadway layouts.

Queens 7 Garage Diesel Fueling Systems Retrofit, Queens, NY: Design Engineer for development of City of New York Fire Department permitting drawings for retrofit of diesel fueling systems at the DSNY Queens 7 Garage. Specific responsibilities included layout and design of tank, pipe and pumping systems including the coordination of geotechnical, structural and electrical disciplines. Also responsible for contract specifications and construction cost estimate.

Sears Auto Center Waste Oil Remediation, NJ: Project Engineer responsible for the design and construction management of the closure, replacement and remediation of waste oil and hydraulic lift systems at various Sears Auto Center facilities. Specific responsibilities included quality assurance review of construction drawings and specifications, coordination of local permitting and regulations, management of field inspection staff.

Specialized Training

1998/Hazardous Waste Operations Supervisor Training, 8-hour, 1998

1997/Health and Safety Training Course for Hazardous Waste Operations, 40-hour



Education:

Ph.D. (pending), Civil
Engineering, NYU/ Polytechnic
University

M.E., Civil Engineering, Cooper
Union School of Engineering

B.E., Civil Engineering, Cooper
Union School of Engineering

Licenses/Registrations:

NYSDOL Asbestos Project
Designer

NYSDOL Asbestos Inspector

OSHA 10 Hour Occupational
Safety & Health Training

NYC DOB Scaffold User
Training

Christopher Zanoni
Project/Work Order Manager

Professional Profile

Mr. Zanoni has over 20 years experience in the environmental field, with extensive code compliance, project and QA/QC experience. Mr. Zanoni is responsible for the management, planning and staging of all aspects of hazardous materials remediation projects especially those involving PCB, asbestos and lead based paint, starting from the initial site survey through design, and preparation of bidding documents. Mr. Zanoni is also experienced in all areas of abatement related services including: submittal review, project abatement monitoring and project close-out requirements. Some of the notable projects Mr. Zanoni has been directly involved with are provided below:

Experience

New York Rising Housing Recovery

Serving as the prime consultant under contract with DASNY on this CDBG-DR funded Sandy Housing Recovery Program, LiRo is assisting the New York State Division of Homes and Community Renewal (HCR) in implementing this accelerated housing recovery program. Executing a rapid mobilization plan, LiRo coordinated the efforts of more than a dozen consultants and over 500 inspectors to complete 4,984 inspections in 30 days - in time for HCR to issue award letters to registered homeowners by the first Sandy anniversary.

The LiRo team provided program procedures, set up data and management information systems, and a call center, as part of the scope to achieve the program's goals.

Mr. Zanoni is serving as the project manager of all policies and procedures dealing with environmental inspection, reporting, and cost estimating elements of the project and the Tier 1 document.

Marlboro Psychiatric Center

Provided overall project management of all environmental inspection, reporting, and cost estimating elements of the project. Mr. Zanoni worked closely with the project team to prepare the inspection phasing plan which required coordination between facility personnel, safety engineers, all group leaders from the structural, architectural, and environmental teams. In addition to performing management oversight of the site inspection work, tracking milestones, and preparing look-ahead schedules, Mr. Zanoni also reviewed and defined the code compliance requirements associated with remediation work associated with both the pre-demolition of the 100+ buildings at the site as well as the infrastructure components including utility manholes, access roads, and foundation footings. He prepared abatement and demolition strategies and assisted in the cost evaluation of those strategies.

DASNY On-Call Environmental Services Senior Project Manager: Mr. Zanoni served as the principal point of contact for all asbestos, lead paint and mold hazards that are impacted by planned DASNY capital improvement projects at hospitals and universities statewide. Work orders in combined excess of \$1M since 2008 have been issued in connection with façade, roof, window, emergency power systems, and full facility demolition work. All project efforts from inspection/design through abatement management are coordinated with the DASNY project manager at each facility as well as the DASNY code compliance officers. Inspections typically require review of architectural and MEP specifications to determine affected areas of the facility and the extent of impact to hazardous/regulated materials. Remediation designs are followed by detailed design review meetings. Abatement management includes review and approval of contractor pre-work submittals, monitoring of abatement activities, waste tracking, and area air testing. Recent projects have involved interfacing with NYC DEP/ATRU as a result of phased abatements in NYC/DCAS operated facilities managed by DASNY.

NYPA Decommissioning of the Kensico and Vernon Hydroelectric Facilities: Mr. Zanoni provided direct environmental technical assistance and project management for the Power Authority during the critical, time sensitive assessment of existing hazardous materials at two hydroelectric facilities slated for decommissioning. One of the two sites was located on the grounds of the New York City Department of Environmental Protection (NYC DEP) water supply facility in Valhalla: The execution

of this work began with preparing a site specific Health and Safety Plan for this site, undergoing, reviewing NYC DEP site safety protocols, coordinating site inspection tasks with NYS DEP personnel, and accessing and reviewing Bureau of Water Supply site investigation records; a full inspection of existing condition was performed which included coordinating electrical Lock-Out Tag-Out services for high voltage equipment, and representative sampling of bulk material and tank fluid. A comprehensive report with equipment inventory was prepared along with bid documents for the remediation of hazardous materials. All design documents were approved through multiple design review sessions with stakeholders.

NYCDEP Legacy Program Remediation of Contaminated Paint, NY: LiRo served as Project Manager during program aimed at removing coatings contaminated with lead, PCB, and mercury. Sixteen sites consisting of effluent chambers, intake chambers, shaft-ways, maintenance facilities, were targeted throughout the Hudson Valley watershed area. Management tasks included field reconnaissance to confirm inspection data and site conditions, interviews with local DEP personnel to obtain information on individual facility operations and potential constraints to the pending remediation effort, specification drafting, and construction management during abatement.

New York Power Authority, On-Call Environmental Services: Managed on-call services for NYPA Energy Services and Technology in connection with energy efficiency improvement projects affecting building structures and systems. These services are focused upon identifying, quantifying and assessing asbestos containing materials (ACM) and lead based paints (LBP) impacted by these proposed efficiency improvements; related services include the identification of broader hazardous and universal waste material and bulk PCB materials. Responsibilities included prepare scope of work assessments based upon an understanding of the contract deliverables and the site specific project goals, reviewing A/E project specifications and drawings associated with facility energy efficiency upgrades so as to define a corresponding investigation work plan; pre-inspection meetings with project principals are often held, staffing and overseeing the scope specific inspections aimed at determining the presence of regulated ACM hazardous materials, and generating feasibility reports and cost estimates associated with the potential impact on hazardous materials by proposed facility renovations.

NYCEDC High Line Park Reconstruction Rehabilitation, Task Manager: Mr. Zanon provided direct assistance to the Resident Engineer for implementation and enforcement of SSPC, NYSDOT, EPA, OSHA, NYS, and relevant Local laws and guidelines for the abatement of ACM and the removal, treatment, disposal and handling of lead based paint during abrasive blasting of lead based paint from over 2 miles of elevated structural steel. He Conducted QC inspections of blasting containments and waste storage areas along with managing support and technical guidance during excavation of contaminated soil and demolition of ancillary structures below the Highline. Defined the scope and procedures for abatement of asbestos containing track bed expansion joint tar, rail connector rust inhibitor, and miscellaneous ACM encountered during the project.

JFK International Airport, JetBlue Airways, Terminal 6 Remediation – Terminal 6, most recently used in 2008 as the temporary arrival/departure facility for JetBlue Airways during the construction of Terminal 5, required a complete hazardous materials and asbestos investigation that defined the extent of remediation necessary to enable modernization and conversion of the facility for future aviation operations. The investigation required a comprehensive survey of all spaces associated with the facility most notably the non-passenger receiving areas, mechanical spaces, manholes beneath outer access roadways, and the truss-supported ceiling plenum high above the passenger area. All hazardous materials were inventoried and specifications were drafted for their future disposal or recycling. Asbestos-containing materials (ACM) were identified and quantified: Detailed ACM removal plans and specifications were prepared that defined the phasing of the sequential removal work, locations of work area limits and decontamination units, access/egress points, temporary utilities, and the requisite number negative air units for containment support. Variance applications to New York State Department of Labor Engineering Services Unit were secured that provided modified abatement methods sufficient for facilitating and expediting the removal work while maintaining environmental health and safety. All inspection and design work was coordinated with the PANYNJ environmental department and Tenant Liaison office



MTA NYCT Comprehensive Environmental Services Contract, Project Manager: LiRo was responsible for several continuous indefinite quantity environmental On-Call services contracts. Services included development of lead based paint and asbestos abatement work plans, cost estimating, project coordination and interfacing with site representatives, and project management of inspections and oversight of abatement activities. Mr. Zanoni supervised over 80,000 hours of field operations including abrasive blasting, needle gun scaling, chemical stripping wet scraping at various NYCT facilities ranging from elevated structures on the Flushing IRT line and pedestrian bridges at Corona Park, to active bus depots and station platforms; he has prepared work plans for field operations and managed the hazardous waste storage maintenance program for NYCT. Mr. Zanoni was also responsible for the preparation and enforcement of site specific Health and Safety Plans. Project sites included operating substations, subway stations, office buildings, mechanical rooms, rail yards, bus depots, tunnels, bridges, and various other structures throughout many of NYCT's three thousand facilities located throughout the five boroughs of New York City.

New York City School Construction Authority On-Call Asbestos and Lead Paint Services: Since 2004, served as the quality assurance officer and senior project manager responsible for maintaining the quality of all contract deliverables and performing overall task order management for asbestos/lead/PCB inspection, design and abatement monitoring. Approximately 1,000 separate projects have been executed and requisitioned over the course of 2 continuous contracts valued at over \$4M. Asbestos and lead inspection/design/remediation have been conducted in connection with capital improvements to New York City schools throughout the 5 boroughs including climate control upgrades, roofing system replacements, façade restorations, classroom conversions, elevator installations, new playgrounds, window replacements, and electrical upgrades associated with new fire alarm systems and computer centers.



Bharti Ujjani, CIH

Site Investigations and Planning Manager

Areas of Expertise

- Program Management
- Due Diligence
- Site Investigation
- Expert services
- EHS Regulatory Compliance
- Industrial Hygiene
- Environmental Health and Safety

Education

- MS/Chemistry/University of Wisconsin, Milwaukee
- BS/Chemistry, Physics and Mathematics/Bangalore University, India

Registration/Certification

- Certified Industrial Hygienist, American Board of Industrial Hygiene, No. 7129

Specialized Training

- OSHA 40 Hour HAWOPER
- OSHA HAZWOPER Incident Commander
- Asbestos Project Designer NY and NJ
- Lead Renovator Safe Work Practice trainer
- 10 Hour OSHA Construction Health and Safety
- OSHA HAZWOPER trainer
- Health & Safety Training for Supervisors
- USDOT Hazardous Materials Transportation
- Confined Space Entry

Overview

Ms. Ujjani is the proposed site investigations manager. She has over 20 years of experience in all aspects of regulatory compliance and site investigations. She has conducted numerous site assessments, site investigations, hazardous materials survey, to include asbestos and lead based paint survey, development of scoping documents, bid specifications for site remediation, asbestos abatement and lead paint abatement in compliance with federal, state, and local regulations. Specifically she is well versed in NJDEP requirements for site remediation, permitting, and disposal of contaminated and hazardous materials; she is familiar with the requirements of Department of Labor and Workforce Development (NJDOLWD), U.S. Department of Housing and Urban Development (HUD) and the New Jersey Department of Community Affairs (NJDCa) and the Occupational Health and Safety Administration (OSHA) regulations. She manages a group of environmental professionals, AHERA certified asbestos inspectors and NJ licensed lead inspectors and risk assessors.

Project Specific Experience

Reconstruction, Recovery, Elevation and Mitigation (RREM) contract, New Jersey Department of Community Affairs, NJ: Ms. Ujjani served as the Environmental Program Manager for NJDCa's contract to assist the Super Storm Sandy affected home owners in New Jersey. She is responsible for technical and management responsibility associated with asbestos survey and lead based paint risk assessment of thousands of sandy damaged homes. She developed Policies and Procedures for asbestos, lead based paint inspection/risk assessment, National Environmental Policy Act (NEPA) compliance and mold inspection in compliance with federal, state and local regulations including HUD-CDBG requirements; supported implementation of project start up for all asbestos, and lead inspection of homes. She prepared bid specification for the asbestos and lead abatement for contractors to bid the rehabilitation and demolition of homes. She participated in various meetings and training sessions conducted by NJDCa and NJDEP in order to develop the program in compliance with client's requirements.

New Jersey School Development Authority, Site Feasibility Investigation & Environmental Site Closure, NJ: Ms. Ujjani served as the Program Manager for NJSDA's Site Feasibility, Investigation & Environmental Site Closure Services. Scope of Services included: Surveying Services; Environmental Screening; Land Acquisition



Environmental Quality Investigation; Site Investigations; Remedial Alternative Analysis; Remedial Design and Implementation; Environmental Communication Plan and Support Services; Geotechnical Investigations; Wetlands Investigation and Determination; Utility Investigation and Determination; Utility Investigation Analysis; Asbestos Containing Materials (ACM), Lead-Based Paint; Radon; Mold and PCB Investigation; Abatement, Demolition and Site Improvement; Property Acquisition Environmental Cost Estimate Report; Traffic and Air Quality Feasibility Analysis; Site Feasibility Report and Conceptual Site Plan; Executive Order 215 Report; Architectural Pre-Design and Programming Services; Architectural/Building Site Evaluation Services; ACM, Lead-Based Paint abatement.

Public Service Electric & Gas (PSE&G) – Pre-Demolition Hazardous Material Assessment, Burlington, NJ: As Project Manager and Lead Investigator she conducted hazardous material assessment of the 100 year old decommissioned Burlington power plant. Assessment included development of a site specific health and safety plan, survey of suspect asbestos-containing materials; lead-based paint; and other on-site hazardous materials including but not limited, mercury-containing bulbs and PCB ballast; hydraulic oil systems; above ground storage tanks (ASTs), ozone depleting substances; mercury switches in thermostats; PCB-containing transformers, and smoke detectors. The project included sampling, for asbestos bulk samples, lead paint by XRF and prepared a detailed report for building demolition planning and development of bid specifications.

New York City School Construction Authority, New York: Ms. Ujjani served as Program Manager for NYCSCA's Industrial and Environmental Hygiene Department's HAZMAT contract for various environmental services including, due diligence, Environmental Site Assessments (ESAs) for site acquisitions; Site Investigations (SIs); soil and/or ground water remedial designs, installation, and operations and maintenance; contaminant transport modeling and other specialty services; remediation project management; aboveground storage tank (AST), underground storage tank (UST) documentation and regulatory follow-up; lead based paint (LBP) investigation, abatement design, and project monitoring; indoor air quality (IAQ) investigation and remedial recommendations; emergency response services for hazardous conditions, and hazardous material spills.

New York City School Construction Authority, New York: Project Manager for Indoor Air Quality and Mold investigations to include site survey, recommendation, preparation of remediation specifications, monitoring of remedial actions, inspection and testing for re-occupancy. Served as the asbestos expert in the decontamination of PS 219K, developed asbestos cleanup protocol for the entire school,



and its content. Interacted with regulatory agencies including, EPA, DEP, and DOH representatives. Prepared specification and cost estimates for the decontamination of school records.

Program Manager, Multi-Media Compliance Assessments for Commercial, Industrial and Institutional Clients, Various Locations, US: Provided regulatory compliance assistance to include, federal EPA and OSHA, State and local standards. Performed numerous EHS audits as a lead auditor to assess compliance with the federal, state and local regulation related to environmental and worker health and safety issues. This included but not limited to RCRA, CWA, CAA, FIFRA, CERCLA, DOT, and OSHA standards.

Environmental, Health & Safety Audits, New York City Department of Environmental Protection Alley Creek CSO, NY: Project responsibilities included performance of environmental and health & safety onsite compliance audit for NYCDEP Bureau of Engineering Design and Construction Division for compliance with NYCDEP policies, and applicable federal, state and local regulations.

NYCDEP, Expert Professional Services, English Kills Aeration System, NY: Ms. Ujjani reviewed and prepared an expert report in response to USACE's Human Health Risk concerns regarding bacteria becoming aerosolized due to the proposed aeration system and causing a public health concern. Ms. Ujjani completed a qualitative assessment of the potential health risks associated with the operation of the English Kills (EK) aeration system.

NYCDEP, Environmental Investigator and Site Safety Professional, Three Sites, JFK Airport, Jamaica, NY: Investigate the presence of regulated or non-regulated waste and the extent of contamination of the construction site. Developed site specific Health and Safety Plan for the confined space entry and drilling operations. Hazardous material sampling included asbestos, lead, and PCBs in vaults identified as confined spaces. Site investigation included drilling for sampling of soil and water and waste characterization.

NYCDEP, Site Safety Professional, Hannah Street Pump Station, Staten Island, NY: Developed a site specific Health and Safety Plan for the hazardous material survey to include asbestos, lead based paint survey of the Hannah Street Pumping Station is located on Murray Hulbert Avenue, south of Hannah Street in Staten Island, New York.



Stuart Klatzman, PE, PP

Design/Permitting and Bid Packages Manager

Areas of Expertise

Direction, management and production of investigative studies, design and construction

Education

BE/Engineering, Stevens Institute of Technology

Registration/Certification

Professional Engineer:
1983/NJ; 1994/NY; 1987/PA
Professional Planner/1983/NJ

Mr. Klatzman has more than 35 years of experience and has been engaged in the direction, management and production of investigative studies, design, and construction. Supervises the preparation of plans/specifications, cost estimates, construction contract administration and resident engineering services during construction for public works and private development facilities. Has extensive experience in roadway layout, utility design, stormwater control, and water quality devices and land development engineering (roadways, drainage, utilities).

NYCDEP, Professional Engineering Design Services (PEDS): New York, NY: Project Director for URS assisting NYCDEP In-House Design by providing professional engineering design services and technical engineering support services in connection with wastewater and waterworks capital projects for various sites in all the boroughs and the upstate watershed. The purpose of the contract is to supplement the department's staff and to provide expertise and services not available through in-house resources. Mr. Klatzman's responsibilities include assisting the DEP in developing and evaluating design alternatives and in developing preliminary and final design criteria, drawings, and documents; providing design services and special expertise during construction and all phases of design, and advisory support for programmatic planning, strategic planning, analytical planning, resource planning, innovative technology evaluation, scheduling issues, methodology issues, and implementation strategy.

NYCDEP, Hunts Point WPCP Plant Upgrade – Phase 1 and Phase 2, New York, NY: Project Director for the \$500 million plant upgrade involving two phases of construction. Both phases ran concurrently and involved four prime contractors, per New York State Wick's Law. Phase 1 involved replacement of all six (6) of the plant's Main Sewage Pumps to bring the plant's capacity up to 400 MGD. Other aspects of the upgrade included improvements to the plant head-works, selective demolition of the Main Administration Building, a new Central Residuals Handling facility for sludge dewatering and conveyors for solids handling, new RAS and WAS. Phase 2 upgrades were designed to increase the biological nitrogen removal from the Plant effluent. Major modifications, included replacement of the existing process air blowers, modification to the process air distribution system, and upgrading of the Aeration Tank equipment. A new main electrical substation with new electrical feeder service from Con Edison has also been provided under Phase 2.



Mr. Klatzman assisted the CM staff in directing the contractor, providing resolutions to all field issues, review of payments, change orders, schedules and managing the staff and subconsultants.

Green Brook Sub-Basin Flood Control Project, Green Brook, NJ: Project Engineer for flood damage survey and correlated results with data developed for the Passaic River Basin to generate depth damage relationships for project benefit analysis including hydraulic and hydrologic design and economic evaluation.

Union County Police Academy, Union County, NJ: Project Engineer for site work related to design, including parking areas and stormwater sewers.

County College of Morris, NJ: Project Manager for roadway, recreation and drainage improvements.

NJDEP, Raritan-Passaic Water Diversion Project, Various Locations, NJ: Engineer responsible for design of the regional interbasin water pipeline project involving river intake, pump stations and water transmission facilities for the New Jersey Department of Environmental Protection.

Various Water Supply Systems, NJ: Project Manager for residential, commercial and industrial developments throughout New Jersey.

Crystal Springs, Hardyston, NJ: Project Manager for the design of a 500-unit mixed residential and retail planned development including stormwater drainage, roadways and utilities, several pump stations and coordination with the Sussex County MUA. Water supply design involved three wells, pump house, treatment, storage, and creation of a Hardyston MUA.

Bowling Green, Jefferson, NJ: Project Manager for this low density housing community on an existing golf course. Full infrastructure design, including stormwater, sanitary, roadways and utilities. Sanitary disposal design included individual septic tanks discharging to a community leaching field.

Stone Mill, Independence, NJ: Project Manager for the design of 240 housing complex adjacent to Hatchery Brook. Design involved stormwater collection and detention wetlands preservation, dam permits and stream protection.

Professional Societies/Affiliates

Morris County Planning Board, Member 2003-2010

Morris County Open Space Committee, Member/Chairman 2007-2010

Washington Township Planning Board, Member/Chairman 1991-2001



Areas of Expertise

Civil Engineering
Environmental Engineering
Environmental
Landfills
Project Management
Resident Engineering

Education

Master of Science / Civil
Engineering / Rutgers University
Bachelor of Science / Civil
Engineering / City College of
New York

Registration/Certification

1995 / Professional Engineer
New York 074180
1998 / American Society for
Quality Auditor

Mark Miller, PE

Construction Administration and Oversight Manager

Mr. Miller is a Professional Engineer with over 32 years of experience in project management, construction management, civil & environmental engineering and resident engineering. This experience has been built from successfully performing assignments with increasing levels of responsibility in wide areas of construction, engineering design, project planning and implementation of systems and programs for environmental, industrial, power, and related projects.

Project Specific Experience

City of Paterson, Colt Gun Mill Debris Removal Project, City of Paterson, NJ - \$1,000,000: Site Construction Manager responsible for the removal of debris from this landmark status building and stabilization of the existing structure. Work included the removal of the collapsed structure, recovery of artifacts, and coordination of field forces with the archeologists and historians, and the recovery contractor. Provided shop drawing and submittal reviews, review and approval of contractor's project schedule, processing construction progress payments, and provided construction inspection and administration in accordance with City of Paterson Procedures Manual. Responsible for supervision and management of all onsite work including construction inspection and coordination with the City of Paterson Project Manager.

New Jersey Turnpike Authority - Soil Remediation Project, Clara Barton Service Area 1S, Oldmans Township, Salem County, NJ - \$1,000,000: Resident Engineer for construction of a soil remediation system. Work included the removal of contaminated soil, well installations, piping, installing a vapor recovery system, electrical work, pavement restoration and landscape restoration. Provided shop drawing and submittal reviews, review and approval of contractor's project schedule, processing construction progress payments, and provided construction inspection and administration in accordance with NJTA Construction Procedures Manual. Responsible for overall supervision of onsite construction inspection and coordination with the NJTA Project Manager.

New York City Department of Environmental Protection - Fountain Avenue Landfill Closure Project, Fountain Avenue Landfill, Brooklyn, NY - \$158,000,000: Resident Engineer responsible for closure of this 300-acre hazardous waste landfill and preparation for turnover to the National Parks Service as part of Gateway National Recreation Area. Work included construction management of all aspects of the work



including re-grading of landfill, installation of vapor extraction wells, flare system and associated piping, installation of cap liner system, construction of temporary pier and construction of 1 mile of stone revetment shoreline protection. All of the approximately 3.5 million cubic yards of imported clean soils arrived via barge. Additionally provided shop drawing and submittal reviews; review and approval of contractor's monthly updated project schedules; review and approval of monthly progress payments, and provided construction inspection services and project administration in accordance with drawings, specifications, NYCDEP and NYSDEC environmental and construction requirements. Also responsible for management of office and construction management staff, change management and regulatory agency liaison.

New York City Department of Environmental Protection – Brookfield Avenue Landfill Closure Project, Staten Island, NY - \$250,000,000:

Resident Engineer responsible for closure of this 130-acre hazardous waste landfill and preparation for turnover to the New York City Department of Parks & Recreation as a community public park. Provided shop drawing and submittal reviews; review and approval of contractor's monthly updated project schedules; review and approval of monthly progress payments, and provided construction inspection services and project administration in accordance with drawings, specifications, NYCDEP and NYSDEC environmental and construction requirements. Also responsible for management of office and construction management staff, change management and regulatory agency liaison.

Operating Industries Incorporated, Landfill Project, Monterey Park, CA - \$60,000,000:

Quality Control Manager, responsible for transitioning staff from a design effort to a construction effort. Tasks included performing training, setup and startup implementation of the quality control management system for the cover replacement/final closure of this 100-acre landfill. Also performed constructability analysis for construction/installation of the new mono-cover cap system.

Red Bull New York, Red Bull Arena, Harrison, NJ - \$200,000,000:

Resident Engineer responsible for construction oversight of this 25,000 seat soccer and entertainment arena. Scope of responsibilities included monitoring of all concrete work (below/above grade); structural steel fabrication and erection; precast stadia fabrication and erection; precast plank fabrication and installation; all MEP installations; all building envelope installations (stadium skin, canopy skin, building skin, all roofs); soccer field construction, including drainage and underground heating systems; site utility and drainage installation. This effort includes direct management of a team of four (4) field inspectors additional to a subcontractor inspection/laboratory team of NJ State



certified DCA Special Inspectors for (1) structural steel bolting/welding, (2) concrete placement & testing laboratory, (3) concrete reinforcement pre-placement inspection (4) spray-on fireproofing which totaled 9 inspectors when structural steel fabrication (in Canada) and precast concrete fabrication (in Pennsylvania) were active.

US Army Corps of Engineers - Bridgeport Rental & Oil Services, Superfund Hazardous Waste Cleanup Project, Bridgeport, NJ - \$178,000,000: Quality Control Manager. Responsibilities included implementation, administration, surveillance, inspection, and documentation of all site activities, which included: excavation and backfill of a 12-acre oil waste filled lagoon; operation of a rotary kiln thermal (PCB) destruction facility; drum removal, classification and disposal (utilizing USDOJ evidence collection protocols); operation of the on-site water treatment facility; and liaison between client and construction personnel.

U.S. Environmental Protection Agency, Raymark Superfund Project, Stratford, CT - \$78,000,000: Quality Control Systems Manager responsible for quality control management at this 33-acre Superfund site. Specifically responsible for overall project quality management for the design/construction. Managed a staff of 12 Field Engineers/Inspectors working on two shifts as well as specialty subcontractors and cap liner installation crew.

U.S. Navy, North Div RAC, Naval Weapons Station Earle, Landfill Caps for Site 4 and 5, Colts Neck, NJ - \$6,000,000: Construction Manager responsible for site management and construction at these two simultaneously constructed landfill caps and closures.

U.S. Navy, North Div. RAC I & II, Program Management, Langhorne, PA - \$250,000: As Program Quality Control Manager responsibilities included the management of the overall contract wide quality control program with the primary focus on implementation and maintenance of a consistently high level of construction quality on over 100+ tasked projects. Projects have included but were not limited sanitary and storm sewer design and construction; asbestos, lead and mold abatement; and demolition. As Project Manager, responsibilities included directing all segments associated with assigned remedial action projects. Such responsibilities included as main focuses: budget, scope, schedule, managing change, client relations, managing field staff, as well as subcontractors.

Professional Societies/Affiliates

American Society of Civil Engineers, Member (Active)



American Society for Quality, Member (In-Active)

Specialized Training

40-Hour OSHA Hazardous Waste Health and Safety Training - 1992

10-Hour OSHA Construction Safety & Health Training - 2009

8-Hour OSHA Hazardous Waste Health and Safety Refresher Course - 1993-2013

8-Hour OSHA Hazardous Waste Health and Safety Supervisory Refresher Course -1996-1999

Value Engineering 40 Hour Training/Workshop - 2006

Project Management 40 Hour Training/Workshop - 2000

Loss Control Self-Study Course - 1997

MCACES Software Training - 2002

Negotiation Skills Training - May 1999

Government Institutes - RCRA Compliance Course - 1995

US DOT Hazardous Materials Regulations, General Awareness Training - 1993 - 2000

Start Up QA, Nuclear Plant Pre-operations QA, and Civil Design Drafting - 1981-1989

ANSI/ASME Auditor - per ANSI/ASME NQA-1 and ANSI N45.23

TROXLER (Nuclear Gauge) Operations



Majed A. Khoury, PhD, PE

QA/QC Manager

Areas of Expertise

Project Management
Geotechnical Engineering
Civil Engineering
Environmental Engineering
Quality Control/Assurance

Education

PhD/Geotechnical
Engineering/University of
Illinois

MS/Structural
Engineering/Tufts University

BS/Civil Engineering/Damascus
University, Syria

Registration/Certification

Professional Engineer: New
Jersey

Summary

Dr. Khoury has 35 years of experience in geotechnical, civil and environmental engineering. Dr. Khoury has directed and/or managed staff and projects associated with waste facilities and landfills, dams and reservoirs, slurry wall cutoffs, foundations for various facilities and support of deep excavations and tunnels. Projects under his direction have included multidisciplinary services in civil engineering, geotechnical engineering and the geosciences.

On many multi-year projects/programs he served in various roles, including Technical Reviewer and QA/QC Manager, which included making sure that the quality of the product meets the requirements of the contract and the client. He assures URS services are in accordance with our standard of practice and a quality deliverable is achieved. He regularly performs quality project audits regarding deliverables completeness, schedule and budget.

Project Specific Experience

Burlington County, NJ: Project Manager/Principal-in-Charge/Technical Reviewer and QA/QC Manager for hydrogeological and geotechnical site characterization; landfill stability evaluations; design and construction quality control of liner systems for the various phases of the County solid waste facility and landfill in Burlington County, New Jersey.

New York City Environmental Protection (DEP), Water Supply Dams and Reservoirs, NY: Principal-in-Charge/Senior Technical Reviewer and QA/QC Manager for dam inspection and assessment, emergency action planning and other rehabilitation considerations for over 20 major dams located East and West of Hudson in New York.

Exelon Energy, Merrill Creek Reservoir, NJ: Principal-in-Charge/Technical Reviewer and QA/QC Manager for safety inspections and evaluations of dam and dikes, Emergency Action Planning, operations and maintenance, and instrumentation monitoring for the Merrill Creek Reservoir System in New Jersey.

NYC Department of Sanitation (DSNY), Fresh Kills Landfill: Project Director/Senior Technical Reviewer and QA/QC Manager for static and seismic stability evaluations; design of automatic stability instrumentation monitoring system to control refuse placement rate; and progressive closure design, including stormwater drainage system and final cover system, for the Fresh Kills Landfill in Staten Island, New



York.

Various clients in New York, New Jersey and other states: Project Manager/Director/Technical Reviewer and QA/QC Manager for subsurface soil and rock investigations and foundation recommendations for several corporate headquarters, high-rises and apartment complexes; design of support systems for several deep excavations in soil and rock; recommendations to limit damage to historic structures from nearby excavations and pile driving in New York City; and resident geotechnical engineering during construction.

Various Municipalities, Counties and Lake Associations, NJ: Supervised/provided technical reviews for safety evaluations; design of dam rehabilitation measures; dam breach studies; emergency action planning, and remedial construction monitoring for several small dams and reservoirs in New Jersey.

Yonkers Construction Co: Provided senior technical reviews for geotechnical investigations and design associated with the Brigantine connector in Atlantic City, New Jersey.

NJDOT: Provided technical review of the seismic risk prioritization phase of the New Jersey Bridge Seismic Retrofit program.

NYSDEC: Provided technical reviews and consultation in relation to the slope stability concerns at the Clarkstown Landfill, New York.

NYC Department of Sanitation (DSNY): Provided value engineering and technical reviews and consultation for the design of a 6-mile long soil-bentonite and cement-bentonite cutoff walls for leachate containment, and the assessment of construction impacts on slope stability at the Fresh Kills Landfill in NYC.

PSE&G, NJ: Provided technical reviews for the design of soil-bentonite barrier wall at the PSE&G Manufactured Gas Plant site in Paterson, New Jersey.

Mohawk Power Co., NY: Provided technical reviews for design and construction monitoring of a one-mile long 100-ft deep plastic concrete cutoff for the Stewarts Bridge Dam abutment in New York.

American Electric Power: Supervised the design and construction monitoring of two 100-ft deep cement-bentonite cutoff walls to reduce seepage and improve stability of the Muskingum and Clinch River ash retention dams in Ohio and Virginia.

NJDEP, Lone Pine Superfund Landfill, NJ: Provided value engineering and reviews for redesign of containment system.

Feld, Kaminetsky and Cohen: Supervised the investigations and remedial design of an aeration tank failure at the Farrington Road Wastewater Treatment Plant, North Carolina.



Areas of Expertise

Environmental
Health and Safety
Industrial Hygiene
Regulatory Compliance
Indoor Air Quality & Industrial
Hygiene Monitoring
Environmental Health & Safety
Management Systems

Education

Graduate Certificate /
Occupational & Environmental
Hygiene / Johns Hopkins
University / Baltimore, MD
Bachelor of Science / Public
Health / Rutgers University /
New Brunswick, NJ
Bachelor of Arts / Economics /
Rutgers University / New
Brunswick, NJ

Registration/Certification

Asbestos Hazard Emergency
Response Act Asbestos Building
Inspector
40-Hour OSHA HAZWOPER
RCRA Waste Generator
Manager
Confined Space Entry Training

Mona Parekh

Health and Safety

Summary

Ms. Parekh serves as the Clifton, New Jersey Office Health and Safety Representative. Ms. Parekh has over seven years of experience in environmental, health and safety compliance in warehousing, manufacturing, R&D environments. Her areas of expertise include: health and safety audits, employee training; incident investigations; job hazard analysis; field safety monitoring; exposure assessments; waste management and radiation safety awareness. Ms. Parekh was formerly employed in the Operations Department for Merial Limited where she was recognized for reducing the use, storage, and disposal of chemicals; organized sustainability initiatives; and implemented recordkeeping functions in compliance with New Jersey State and OSHA requirements.

Project Specific Experience

URS Office Health & Safety Representative: As the Office Health and Safety Manager, my responsibilities include:

- Assisting project managers, management, and staff with overall addressing field and office safety concerns as well as sourcing compliant and effective equipment & supplies;
- Identifying high-risk activities that require health and safety support;
- Preparing site-specific Health and Safety Plans, Safe Work Plans and Job Safety Analyses for various URS projects throughout New York & New Jersey.
- Ensuring that all projects initiated through the operating unit have a health and safety review. Some example activities requiring health and safety support include: environmental and geotechnical investigations; hazardous waste operations; facility inspections; dam inspections; on water/over water work; excavation/trenching; waste disposal; and, sample storage.
- Identifying and providing all health and safety training needs (i.e. OSHA HAZWOPER, Field Safety, CPR/First Aid, DOT, etc.) for the operating unit;
- Maintaining health, safety and environmental related training records for the local operating unit.
- Provide field safety training to various URS disciplines on corporate and OSHA health and safety standards.
- Provide consulting support & services for URS clients to assess their risk & compliance status as it pertains to employee health & safety



- in the laboratory, pharmaceutical, and manufacturing industries
- Perform site assessments and provide recommendations on mechanisms for proactive program improvement or related to a regulatory audit related to chemical handling & storage, waste disposal, recordkeeping, confined space inventory, or emergency procedures
 - Investigate conditions of client facilities evaluating specific ambient or supplied air quality conditions including asbestos, lead, CO, CO₂, etc.
 - Lead implementation of office health & safety programs of URS employees at the URS Clifton, NJ office. Guide project managers in developing and implementing field safety tools & practices including behavior based safety observations, PPE, and daily tailgate talks rooted in previous created HASP & JSA.
 - As requested, provide safety services which may include respirator fit testing, PPE demonstrations, mock audits of radiation, & incident investigation.

Kinray, Inc. (Cardinal Health) – Environmental Health & Safety Management Services, Queens, NY: Evaluate risks and compliance gaps using Environmental Health & Safety Management System (EHSMS) tools at a warehouse & distribution center of pharmaceutical products serving the 5 boroughs. Developed and implemented programs and standards to improve OSHA, EPA, NY State, & New York City compliance and safety culture. Key outcomes include establishing emergency response & planning team, implementing risk management plan written by URS, redesigning of waste area, installation of job safety analysis through a Whitebelt project, revising incident response & investigation, and acting as a subject matter expert to management team.

IBA Cyclotron (Radiation Dynamics) – Site Environmental Health & Safety Compliance Survey, Long Island: Assisted in assessing environmental health & safety program and compliance audit of a Dynamitron production facility (ionizing radiation laser equipment). Supported thorough site survey of program activities considering OSHA, EPA, NY State, & Suffolk County regulations including hazard communication, waste management, air quality, water & air pollution, and employee protection against electronic assembly hazards.

Public Service Electric & Gas (PSE&G) – Pre-Demolition Hazardous Material Assessment, Burlington, New Jersey: Conducted hazardous material assessment of decommissioned power plant. Assessment includes evaluation of suspect asbestos-containing materials; lead-based paint; and other on-site hazardous materials including but not limited, fluorescent light fixtures including mercury-containing bulbs



and PCB ballast; hydraulic oil systems such as lifts and elevators; ozone depleting substances such as refrigerant in cooling systems and water coolers; mercury switches in thermostats; potential PCB-containing transformers, and smoke detectors and exit signs.

Merial Limited, A Sanofi Company - Research and Development Laboratories - Environmental Health and Safety Specialist – North Brunswick, NJ: Acting as EHS technical expert, led safety program of pharmaceutical R&D facility & pilot plant by recreating and managing safety program including program manual, training, & monitoring RCRA waste program. Additionally, coordinating laboratory and manufacturing operations & training related to bloodborne pathogens, chemical waste disposal, chemical hygiene plan and laboratory standard, personal protective equipment, industrial hygiene, hazard waste minimization, hazardous energy program (lockout/tagout), and contractor safety. As chair of the safety committee, performed group safety audits of chemical, biological, and radiological R&D laboratories in accordance with environmental & safety federal, state, local, & corporate environmental health and safety standards. Audit findings rolled into continuous improvement efforts. Managed RCRA hazardous waste program, universal waste, & regulated medical waste by establishing waste profiles, maintaining records including manifests, coordinated waste transfer and shipment of wide range of hazardous and non-hazardous waste streams produced in laboratory activities with contractor. Led site safety committee through transition to a behavior-based safety program which recognized positive behaviors & at-risk behaviors to celebrate leading safety indicators. Created first-ever site emergency response team and established a regular calendar of drills through coordination with occupational health nurse and local emergency services. Coordinated medical surveillance activities with occupational medical provider including respiratory clearances and annual sound surveys.

PHASE Associates – Industrial Hygiene Consulting – Industrial Hygiene Specialist – Livingston, NJ: Prepared Site Investigation Reports for submittal to the NJDEP and NJDHSS evaluating child care center facilities. Support long-term program with clients to turn around their EHS activities but performing first-ever regular EHS audits, establishing training programs, assessing & updating regulatory registrations, and developing first ever EHS program. Assisted clients with Occupational Safety and Health Administration (OSHA) requirements including but not limited to: hazard communication; incident reporting, industrial hygiene program; indoor air quality surveys, hazardous energy program (lockout/tagout); personal protective equipment; respiratory protection program; and, hearing conservation. Inventoried chemicals and created MSDS catalog for facilities undergoing reorganization. Conducted



indoor and outdoor air quality sampling for volatile organic compound (VOC) utilizing ambient. Conducted qualitative exposure/hazard assessment including area and personal air monitoring to assess potential chemical exposures in manufacturing suites. Monitoring equipment utilized included qualitatively measure concentrations in real time and digital velometer to measure airflow at various locations. Sampling and analysis was also conducted following OSHA & NIOSH Methods using filter cassettes and/or sorbent tubes and personnel air sampling pumps. Air sampling investigations included:

- Food Manufacturing Facilities, Fair Lawn, NJ
- Pharmaceutical Manufacturing Facilities, East Hanover, NJ, Rahway, NJ, Totowa, NJ
- Cosmetics Manufacturing Facility, Piscataway, NJ
- Flavor & Fragrance Manufacturing Facility, Piscataway, NJ
- Child Care Facilities throughout NJ
- Long-term safety management and air monitoring services (weekly presence):
- Industrial Spray Coatings Facility, Bristol, PA
- Transformer Disposal Facility, Kearny, NJ

Training Topics Delivered

Bloodborne Pathogens

Emergency Procedures

Chemical Hygiene Plan

Respiratory Protection

Chemical Waste Disposal including Universal Waste

Personal Protective Equipment

Specialized Training

40-hour OSHA Hazardous Waste Operations & Emergency Response

American Heart Association First Aid-CPR/AED

Geographic Information Software (ArcGIS 10.0)

Homeland Security Exercise & Evaluation Program (HSEEP)

Asbestos Inspector EPA/NY/NJ

EPA RCRA Waste Generator

Permit-Required Confined Space Entry



Daniel O. Hoffner

Demolition Technical Advisor

Education

BS/ Mechanical Engineering, State University of New York at Buffalo, NY

Training

- 40-Hour HAZWOPER, 1992
- Annual 8-hr HAZWOPER Refresher
- CPR, AED, 2007
- Loss Prevention System, 2006
- SHECN Safety Awareness, 2000
- Project Management Certification, 2006
- Excavation Competent Person, 2004

Mr. Hoffner is a Project Manager with 30 years of diversified experience in decontamination and demolition, asbestos and lead paint removal, hazardous waste remediation, construction project management, financial performance, cost estimating, and project scheduling. He has worked on and completed over 100 demolition projects.

Project Specific Experience

Transco – Demolition & Remediation of Former Warehouse Site, Roseland, NJ:

- Asbestos abatement, universal waste removal, and demolition of two warehouse/office buildings (approximately 132,000 sf), and one residential house. Concrete slabs and foundations were removed as well as underground water and sewer lines. Structural steel and concrete was recycled. Remediation activities included well abandonment, removal of process piping, erosion controls, in-situ groundwater injections, clearing & grubbing, excavation T&D of 1,500 tons of non-hazardous soils, excavation T&D of 1,600 tons of F001 contaminated soil and T&D of more than 60,000 gallons of qF001 contaminated groundwater. The work included all waste characterization and waste profiling. The site was prepared for construction of a new gas line compressor station. Position: Estimator & Project Manager; Time 6 months; Value \$2.5M.

Glenn Springs Holdings – Demolition of Former Silicates Plant, Jersey City, NJ:

- Demolition of entire OXYCHEM silicates plant. The job site was 4.5 acres and over 1,500 tons of scrap metals were reclaimed/recycled. The work included structural demolition, concrete slab removal and site grading. The work was completed ahead of schedule. Position: Estimator & Project Manager; Time 1 month; Value \$400K.

Private Client – Phillips Station, South Heights, PA:

- Demolition of a power plant that included 23,000 tons of scrap metal. Position: Senior Project Manager, Time: 8 months, Value \$5.0M.

2001- 2011 Parsons, Project Manager.

Steam Plant Demolition, Charleston, WV:



- Work included asbestos and hazardous waste removal, demolition of the steam plant and associated buildings/structures, and removal of concrete foundations. Position: Lead Designer and Project Consultant; Time; 12 months; Value \$3.0M.

VA Incinerator Demolition, Somerville, NJ:

- Closure of a site formerly used for waste incineration. Work included demolition of the incinerator, excavation of contaminated soil and debris, off-site disposal, backfill and site restoration. Position: Lead Design Engineer and Construction Manager; Time; 6 months; Value \$0.3M.
- This project was a turnkey site investigation, design/build effort. Work plans were developed, site characterization samples were collected, construction design specifications and drawings were developed, subcontractor bids taken, oversaw all site work and wrote completion reports.

Building Demolition, Fort Leavenworth, KS:

- This project was a fast track preparation of a demolition and asbestos removal estimate for the Army Corps of Engineers. Over a weekend, provided a quantity take-off and cost estimate of \$3M (govt est \$6M) which was within \$50K of actual bids received. Consulted on scope and means & methods.

Building Demolition, Hastings-on Hudson, NY:

- This project included providing a quantity take-off and preparation of a cost for demolition and asbestos removal for several industrial facilities. The cost provided (\$1.5M) was within 3% of the selected bidder.

Nebraska Ordnance Plant Demolition, Mead, Nebraska:

- Demolition of former WWI bomb manufacturing facility. More than 500,000 square feet of buildings were demolished including 102 ammo bunkers. Work included asbestos removal and recycling of 150,000 tons of concrete. Position: Estimator & Project Manager; Time 10 months; Value \$2.0M. Oversaw entire project from initial cost preparation, bidding process, and layout of the work. Special functions included maintenance of fields used by the University of Nebraska, total separation of wood from recyclable debris and work with a minority contractor

Marine Ocean Terminal Building Demolition, Bayonne, NJ:

- Asbestos abatement and demolition of six warehouses totaling approximately 550,000 square feet. Position: Estimator; Time 6 months; Value \$2.3M.



Special functions included teaming with an 8a contractor for bidding and subcontracting of all work to local contractors.

East Rome Business Park Remediation, East Rome, New York:

- Demolition and asbestos abatement of a large boiler house. Excavation of 6,000 cy of contaminated soils, cleaning of sewer lines, PCB transformer removal, UST removal (20,000 gal) and miscellaneous chemical identification and packaging. Position: Estimator & Project Manager; Time 10 months; Value \$1.6M. Oversaw entire project from initial cost preparation, bidding process, and layout of the work.

Ford Assembly Plant, Avon Lake, Ohio:

- Demolition of an auto body assembly line including crane rails, conveyors, ovens, paint booths and all mechanical and electrical systems. Position: Superintendent; Time 6 weeks; Value \$2M. Supervised a 35 man labor crew which included operators, burners and laborers. This crew worked 10-hour days, 7 days per week dismantling the Econoline van painting line. Operations included removal of 150 tons of steel per shift, mechanical and manual demolition.

Niagara Viaduct Demolition, Buffalo, New York:

- Three-phase demolition of elevated concrete expressway. Demolition of 3,375 foot elevated concrete bridge span in downtown Buffalo. Position: Estimator & Project Manager; Time 4 months; Value \$2.5M. Oversaw entire project from initial cost preparation, bidding process, and layout of the work. Special functions included making sure manpower and equipment was coordinated so that each phase would be completed on time and in harmony with other trades.

Atlantic City Housing Authority, Atlantic City, New Jersey:

- Asbestos removal and re-insulation of piping systems in crawl spaces in 67 low income housing units. Position: Project Manager; Time 1 year; Value \$2.5 M. Oversaw all aspects of the pipe insulation removal and re-insulation. Responsibilities included preparation of work plans, coordination of subcontractors and contract administration.



Christine Wagner

Site Assessments Task Leader

Areas of Expertise

Environmental Regulatory Compliance
Environmental Site Assessment
Remedial Investigation
Regulatory Compliance
Remedial Actions

Education

Bachelor of Arts/ Biology / Kean University
MA/Environmental Sciences/Toxics Option / New Jersey Institute of Technology

Registration/Certification

NJDEP Underground Storage Tank - Subsurface Investigations, Certification No. 0014665
Organic Data Validation - New York State Dept. of Environmental Conservation (1992)
OSHA 40 Hour Hazardous Waste Health & Safety Training
OSHA 8 Hour Hazardous Waste Health & Safety Training for Supervisors
USDOT Hazardous Materials Transportation
CPR and First Aid

Ms. Wagner is a Senior Environmental Scientist in the URS Clifton, New Jersey office and Group Leader for Compliance Services. Ms. Wagner has extensive experience as a Project Manager for Due Diligence Assessments (Phase I/Phase II Environmental Site Assessments), and Environmental Regulatory Compliance Audits for commercial and industrial clients. She has assisted clients in environmental regulatory matters and performed multi-media environmental regulatory compliance audits for various chemical, pharmaceutical and manufacturing facilities. Ms. Wagner has also directed complex industrial site remedial investigations, from conduct of Preliminary Assessments through implementation of remedial actions.

Project Specific Experience

USPS ECRM Combined Environmental Compliance Review/Regulated Underground Storage Tank Inspection Program Environmental Compliance Technical Support, FY 2013: Team Leader for twenty-two (22) ECRs and UST inspections of P&DCs, NDCs, VMFs and MPOs in New Jersey, New York, and Pennsylvania as part of ECRM's 2013 ECR program. Responsible for identifying federal, state, and local environmental regulations applicable to the facility operations and assets; coordinating with facility management and staff during the onsite ECRs; providing entrance briefings; reviewing onsite environmental records; collecting facility asset and aspect data while onsite; preparing a list of preliminary Findings, BMPs, and Recommendations for review during the exit briefings; And preparation of Draft and Final ECR Reports. Access ETK to review facility documents and provide ETK training to USPS staff.

PSE&G - Waste Management/Regulatory Compliance Support, Public Service Electric & Gas, Linden and Harrison, NJ: Environmental Coordinator for transformer replacement project in Linden, NJ and LPG tank refinishing project in Harrison, NJ. Prepared environmental compliance plans and managed off-site disposal of wastes including non-hazardous soil, construction debris, recyclable metals, asbestos containing materials, cardboard, and other solid wastes. Interfaced with PSE&G staff as well as PSE&G-selected contractors. Conducted audits of TSDF facilities to assess compliance with applicable environmental regulations and potential liabilities.

New York City Department of Environmental Protection - Hazardous Materials Assessment, NY: Project Manager for assessments of 360 facilities located throughout New York State. Each facility was evaluated for asbestos, lead-based paint, mercury and PCBs.



Assessment activities focused on worker health and potential for exposure to environmental contaminants. URS prepared summary reports for each facility detailing findings and recommendations for corrective actions. All assessments and reports were completed under an accelerated schedule in less than the two-year contract period.

ISRA Support Services, Dollar Rent-A-Car, Newark, NJ: Project Manager for auto rental facility. Assisted client in closure of Classification Exception Area (CEA) for groundwater including coordination of groundwater sampling activities and preparation of Biennial Reports. Assisting client with preparation of Institutional Control (Deed Notice) for historic fill material on-site. Coordinate all activities with Licensed Site Remediation Professional (LSRP).

ISRA Support Services, Confidential Auto Dealership, West Windsor, NJ: Project Manager for site investigation and remedial action at auto dealership. Assessed impacts to soil and groundwater from subsurface hydraulic lifts. Prepared Institutional Control (Deed Notice) for historic fill material on-site. Coordinate all activities with Licensed Site Remediation Professional (LSRP).

Goodyear Tire & Rubber Company, Three Retail Facilities, North Brunswick, Montgomery and Wrightstown, NJ: Project Manager for baseline investigation of three Goodyear Tire Service Centers. Managed soil and groundwater investigations. Based upon findings, remedial actions including removal of subsurface hydraulic lifts and subsurface oil/water separator were conducted at the facilities. All investigations and remedial actions were completed in accordance with the Technical Requirements for Site Remediation (NJAC 7:26E) and the Site Remediation Reform Act (SRRA). A Remedial Action Outcome (RAO) letter was prepared for two locations. Groundwater investigation is ongoing at one location.

PSE&G Preliminary Engineering 69kV Conversion Upgrade Project, Five Substations, Contract No. SCM-2012-DEL-1001670: Task Manager for Phase I Environmental Site Assessments at five (5) substation properties (Madison, Marshall, Carlstadt, Great Notch and Totowa) located in Carlstadt, Hoboken, and Totowa, New Jersey. Each property was inspected and assessed in accordance with ASTM Standard E 1527-05. A report of findings with conclusions and recommendations for further investigation of Recognized Environmental Conditions (RECs) was prepared for each site.

New Jersey School Development Authority - Remedial Investigation and Remedial Action Workplan, Newark, NJ: Project Manager for proposed school development site. Groundwater investigations revealed light non-aqueous phase liquids (LNAPLs) present on groundwater. Free product appears to be associated with former residential USTs on-site. Implemented interim response measures



including enhanced fluid extraction and recovery via vacuum extraction. Prepared Remedial Action Selection Report (RASR) in preparation of Remedial Action Workplan (RAWP) preparation. A Remedial Action Workplan that included limited excavation and bioremediation of petroleum-affected soil was prepared and submitted to NJDEP in March 2010. NJDEP approval of the RAWP was obtained in April 2010. Managed URS staff who prepared design specifications for future property use as parking facility.

Industrial Site Recovery Act (ISRA) Consulting Services, ITT Exelis, Clifton, NJ: Conducted Preliminary Assessment (PA) of ITT Avionics Division property in accordance with Technical Requirements for Site Remediation (NJAC 7:26E). Areas of Concern (AOCs) were further evaluated and a Remedial Action Outcome (RAO) was prepared for select soil AOCs and submitted to the NJDEP.

Hammer Manufacturing, Inc. - Preliminary Assessment, Site Investigation, and Remedial Investigation Assessment, Linden, NJ: Managed and conducted field activities under NJDEP Industrial Site Remediation Act for metal parts manufacturer. Preliminary Assessment identified Areas of Concern (AOCs) for which Site Investigation was warranted. Based upon site investigation activities, a remedial action was implemented at one AOC. Upon completion of field activities, a Negative Declaration Affidavit was submitted to NJDEP.

NJ Transit Task Order Contract 06-064, NJ: Project Coordinator for Underground Storage Tank (UST) management, hazardous materials management and disposal, site investigation and remediation, design and operation of remedial treatment systems, environmental compliance assessments, and environmental permitting. Liaison with client Project Managers and URS staff to meet project objectives, schedules and budget.

UST Closures and Installation at Essex County Parks Department Facility, Kip's Castle, Verona, NJ (2007-2008): Project Manager coordinated and oversaw the removal of regulated and unregulated USTs and installation of one 1,000-gallon fuel oil UST. UST decommissioning completed in accordance with the NJDEP requirements (NJAC 14:B). Activities included installation of temporary tank system to maintain heat during closure activities; removal of five tanks ranging in capacity from 250-gallons to 1,000-gallons; post-excavation soil sampling and analysis; preparation of UST Closure Report; and obtaining local and state approvals for tank system installation.



Steven M. Rozek

Asbestos/Lead Paint Task Leader

Areas of Expertise

Asbestos, Lead-Based Paint and
Mold Inspections
Mold Remediation
Phase I Site Investigations

Education

BS/2009/Environmental Science,
Minors: Biology, Mathematics
William Paterson University

Registration/Certification

- OSHA 40-Hour HAZWOPER Certification
- EPA/AHERA/ NYS Accredited Asbestos Inspector
- New Jersey Asbestos Safety Technician
- New York City Department of Environmental Protection Asbestos Investigator
- New Jersey Lead Inspector / Risk Assessor
- EPA Region 2 - New York Lead Inspector/ Risk Assessor
- Confined Space Entry
- NYC DOB Suspended Scaffold 16- Hour Certificate
- NYC DOB Supported Scaffold 4- Hour Certificate

Mr. Rozek's experience includes site investigation, asbestos and lead-based paint and mold inspections, air and bulk sample collection, groundwater sampling, abatement oversight, Phase I Site Investigations, Preliminary Assessment Reports, Indoor Environmental Health Assessments and Indoor Air Quality Investigations. Mr. Rozek also has experience in equipment maintenance and equipment management from a previous firm.

Project Specific Experience

IMTT, Bayonne, NJ: Environmental Scientist worked with a team to collectively conduct an environmental and health and safety audit of the 600-acre IMTT facility in Bayonne, NJ. Audited working and walking surfaces, stormwater, wastewater, asbestos, and lead-based paint procedures, recordkeeping, and practices to demonstrate compliance with all applicable regulations.

NJDCA, Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program: Environmental Scientist

responsible for assisting in the development of the written scope of work for both the asbestos and lead-based paint inspections, inspection procedures, and coordination of project needs. Assisted in improving the iPad application used by inspectors in the field with the addition of new materials and by improving data input. Trained new hires on field techniques and iPad use during inspections.

New Jersey Department of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs, NJ: Environmental Scientist conducted environmental field assessments as part of the NJDEP project that is being conducted in conjunction with the NJRREM project. Responsible for conducting a visual assessment of target properties, inputting information including GPS location and photographs into electronic tablet form, and document and GPS-locate other ASTs identified during travel.

PSEG Burlington, NJ: Asbestos Inspector conducted inspection and sample collection for asbestos, lead-based paint, and PCBs throughout the 500,000 SF facility. Measured mercury vapor throughout and inventoried hazardous materials. Worked with subcontractors to distribute work, maximizing work completed during limited time available on site. Responsible for daily tailgate meetings and safety and hazard communication for URS and subcontractor staff on site.



Assimilated all previous and current inspection data into comprehensive report for the client.

JFK Water Meter Replacement Project, NY: Asbestos Inspector, Lead-Based Paint Inspector, and Confined Space Entry collected asbestos, lead-based paint, and sediment samples in two different underground water meter vaults requiring confined space entry. Responsible for pre-entry atmosphere monitoring, set-up of retrieval equipment, confined space entry, sample collection, record keeping, and sample submittal.

ARC Tunnel Project, NJ: Asbestos Inspection and Abatement responsible for monitoring asbestos abatement throughout the 145,000 SF warehouse complex for demolition of the structures. In addition, conducted limited asbestos bulk sample collection to complete previous inspection by another firm that was not conducted diligently. Collected air samples throughout the abatement project, oversaw and corrected contractor preparatory, abatement, and disposal work practices, and acted as liaison between New Jersey Transit Authority and subcontractors involved in asbestos abatement project.

Riverbay Corporation, NY: Asbestos Project Monitor, Asbestos Inspector. Riverbay at Co-Op city is the largest cooperative development in the world with 15,372 residential units in 35 high rise buildings and seven clusters of townhouses located on 320 acres in the Bronx, New York. Mr. Rozek conducted a wide array of environmental services for the client including asbestos inspections, asbestos project monitoring, lead-based paint inspections for HUD compliance, mold inspections, and general indoor air quality inspections. Asbestos abatement at the site occurs year-round and number of apartments scheduled per day ranged from 5-57 depending on the time of year. During busier days (25+ apartments) was responsible for sample delivery to lab and acted as runner for project monitors. In addition, was responsible for maintenance and tracking of all field equipment used by project monitors and periodic quality control inspections.

EPA Region 2 Lead Inspector/ Risk Assessor, River Park Towers, Bronx, NY: Conducted an XRF inspection in 45 Apartments and all common areas in the 1,600+ unit development in the Bronx, NY. Compiled XRF data into comprehensive report for client summarizing all XRF tests and all positives identified.



Eric Bodnar, PE, CME

Plans & Specifications Task Leader

Areas of Expertise

Constructability Review
Drainage Design
Hydraulic and Hydrologic
Design and Modeling
Project Design Development
Project Management

Education

Bachelor of Engineering/Civil
Engineering / Stevens Institute
of Technology

Registration/Certification

2000 / Professional Engineer
New Jersey #42564

Mr. Bodnar is a Project Manager and Civil Engineer with more than 21 years of consulting experience, providing a broad range of consulting services to private and public sector clients. His area of expertise includes all aspects of commercial, industrial and residential site development, including grading, drainage and utility design, hydraulic modeling and storm water management, as well as extensive experience in municipal capital and infrastructure projects, including sanitary sewer pump station improvements, watermain and sewer extensions, and public open space improvements.

Project Specific Experience

Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program: Civil Engineer responsible for development of conceptual site plans and final construction documents for individual homeowners requiring reconstruction of their homes following Superstorm Sandy. Project tasks included review of local land use ordinances, site design, grading, and utility design.

Steelpointe Harbor Redevelopment Project, Bridgeport, CT: Civil Engineer responsible for development of conceptual and final site development plans for a 51 acres urban mixed use redevelopment project and marina located along the Pequonnock River in Bridgeport, CT. Project tasks included site and parking design, drainage design, utility relocation and design, and intermodal transportation planning (streetcar and bus), as well as extensive outreach and interaction with local and state agencies.

Maxwell Place, Hoboken, NJ: Civil Engineer responsible for development of conceptual and final site development plans for a waterfront residential development project and public waterfront park located in northeastern Hoboken, NJ. Project tasks included site and parking design, stormwater management, drainage design, and utility design. Project also included public outreach and interaction with local and state agencies.

Wood-Ridge Recreation Facility, Wood-ridge, NJ: Civil Engineer and Lead Designer of new town recreation facility which included a natural turf softball/Little League field & associated site amenities and playground facility. Services included design of site and parking layout, drainage, and site utilities, as well as professional services during bidding and construction.

United Water, New Jersey, Hackensack Service Facility, Hackensack, NJ: Lead Designer for upgrades to the facility's drainage system. United Water relocated to an existing building, which required significant



architectural and site improvements to meet United Water's needs. Services included hydrologic modeling of local water shed area, hydraulic modeling of the existing and proposed storm water conveyance system, including a new underground storm water detention, preparation of construction documents and design services during construction.

Bergen County Parks Department, Van Saun Park/Bergen County Zoological Park - Pump Station and Force Main Upgrades, Paramus, NJ: Lead Designer for repair and upgrades to the existing pumping station, which included installation of new force main and pump station controls. Services included design of forcemain, pumps and controls, preparation of bid documents and construction coordination.

Chubb Avenue Pump Station, Town of Lyndhurst, Bergen County, NJ: Lead Designer for replacement of the existing pumping station. Services included modeling of existing and future inflow to the station, design of new wet well, pumps and controls, preparation of bid documents and day-to-day construction oversight.

Chubb Avenue Sewer Repairs, Town of Lyndhurst, Bergen County, NJ: Lead Designer for the repair and lining of approximately 3,500 linear feet of sanitary sewer piping and associated structures. Due to the high ground water table associated with the New Jersey Meadowlands area, the sewers in this area were experiencing high levels of infiltration. Services included design of pipe lining system, preparation of bid documents and day-to-day construction oversight.

NYCDEP - Pine Hill Sewer Extension, Shandaken, NY: Lead Designer for the extension of the existing sanitary sewer. Services included design of sewer extension and laterals, preparation of SEQR documents, preparation of bid documents and coordination/public out-reach to community stakeholders.

Polito Avenue Pump Station Upgrades, Town of Lyndhurst, Bergen County, NJ: Designer for repair and upgrades to the existing pumping station. Services included modeling of existing and future inflow to the station, design of new wet well, pumps and controls, preparation of bid documents and day-to-day construction oversight.

Roosevelt Avenue Watermain Improvements, Town of Lyndhurst, Bergen County, NJ: Served as Project Manager and Lead Designer for the replacement of approximately 1,200 linear feet of watermain, valves, house services and associated street improvements. Services design of watermain, preparation of bid documents and day-to-day construction oversight.

Specialized Training

Certified Municipal Engineer/NJ CME



Daniel Stettner, PG, CHMM, LSRP

Environmental Compliance Task Leader

Education

BA/Geology / Rutgers
University

MA/Environmental
Management / Montclair State
University

Registration/Certification

Professional Geologist
Tennessee 3966

New Jersey Department of
Environmental Protection UST
Subsurface Evaluator 0003132

Certified Hazardous Materials
Manager (CHMM)

Mr. Stettner is a Principal Geologist based in Clifton, NJ with over 17 years of experience with URS in a variety of capacities both as a consultant and as an independent contractor. As a consultant Mr. Stettner has been responsible for field and office project supervision of remedial investigations and the implementation of remedial action work plans, under the NJDEP ISRA & ARRCs regulatory environment. He has also been responsible for a broad range of project work ranging from the initial preparation of a proposal to the final report. As an independent contractor Mr. Stettner performed home renovations and facilities management.

Project Specific Experience

PSE&G, NJ: Environmental Project Coordinator coordinating waste management of multi-site electrical infrastructure rehabilitation and reinforcement construction projects in PSE&G's Palisades division. Evaluate assigned projects to determine the scope of Resource Recovery's role. Prepares an environmental plan defining that role; prepare cost estimates, prepare budget forecasts; implement/ schedule tasks; confirm receipt of services. Project portfolio consists of up to 20 concurrent projects, including:

- Coordinate emergency storm response for releases to the environment as a result of Superstorm Sandy and Hurricane Irene.
- Salvage of oil filled equipment including but not limited to transformers; CCVTs, CTs, PTs, Circuit Breakers, and, capacitors. Included the management of PCB oils and contaminated equipment.
- Management of spoils generated during the civil construction phase at electrical substation/switches and oil-filled underground circuits.
- Management of water generated during the civil construction phase at electrical substation/switches and oil-filled underground circuits.
- Management of scrap metal and concrete generated during the civil construction phase at electrical substation/switches and oil-filled underground circuits.
- Coordinate emergency spill response for construction equipment, vehicular, and underground circuit releases to the environment

DuPont - Pompton Lakes Works, NJ: Site Manager for the remediation and redevelopment of a former munitions manufacturing plant. Project portfolio consisted of 10 multi-year projects, including:



- Ground water compliance sampling and reporting for the semi-annual groundwater sampling events and the permits to operate the treatment system;
- Quarterly Regulatory Compliance reporting as set forth in the site Administrative Consent Order

Jersey City Chromium Sites, NJ: Project Manager for the remediation and redevelopment of Study Area 1 (College Towers), Study Area 2 (Bayonne Pipeline) and Study Area 4 (Former Foodtown).

Electric Power Research Institute, PSEG Hackensack, Harrison, Hoboken and Market St. former MGP Sites, NJ: Managed the collection of bulk MGP impacted soils for the bench scale testing of various of insitu soil stabilization as a remedial technology on MGP sites.

W.R. Grace - Active Building Materials Manufacturing Site, Paulsboro, NJ: Managed the investigation of the existing storm water drainage system as part of the property transfer.

Rhodia, Former Chemical Manufacturing Plant, New Brunswick, NJ: Deputy Project Manager planned, implemented and prepared the reports for multiple remedial investigation efforts.

Reliant Energy, Multiple Generating Stations in NJ and PA: Field Operations Lead responsible for the coordination of field efforts at the Werner, Gilbert Station, and Portland Generating Stations during the divestiture of Reliant's generating assets, including utility clearance, analytical sampling, field personnel, and implementation of field sampling program.

Professional Societies/Affiliates

Alliance of Hazardous Materials Professionals

Institute of Hazardous Materials Managers

Specialized Training

1991-2013/Hazardous Waste Operations (29CFR 1910.120) Refresher, 8 hour

1991/Hazardous Waste Operations Supervisory Training, 8-hour

1990/Health & Safety Training Course for Hazardous Waste Operations, 40-hr

1990/Calibration and Maintenance of Hazardous Waste Field Equipment, 8-hour

1997/Programmable Logic Control, County College of Morris



Areas of Expertise

Permitting
Green Building Design
Landscape Architecture
Planning
Wetland Delineation
Sustainability

Education

BLA / Bachelor of Landscape
Architecture / College of
Environmental Science and
Forestry (SUNY)

Robert J. Ferrante, ASLA, PP

Permit Coordination and Approvals Task Leader

Mr. Ferrante has worked in a variety of disciplines in the land development field since 1985; including site planning, environmental permitting, and landscape architecture. He has extensive experience in the preparation of construction documents and permit applications for land development and infrastructure projects. He has been involved in site design, environmental due diligence, State clean water permitting, State and Federal wetlands and flood hazard permitting, wetland delineations, environmental impact statements, wetland mitigation and streambank stabilization. His current focus at URS includes environmental and land use compliance reporting for PSE&G facilities in northeastern New Jersey. Skills utilized include an in-depth knowledge of applicable Federal and State environmental regulations, as well as regional and local land development and building code requirements.

Project Specific Experience

Gateways at Saddle Brook, Township of Saddle Brook, NJ: This project for the Value Group is comprised of 156 apartment units and an attached 3 level parking garage situated within a disturbed floodplain. Also worked with the client and NJDEP to rectify a notice of violation (NOV) and to obtain environmental permits. The project scope included site layout, grading, landscape and lighting design, wetlands delineation, flood hazard permitting, soil erosion and sediment control certification, and other municipal approvals.

Pennington Park, Paterson, NJ: This project involved the renovation of an existing park along the banks of the Passaic River in Paterson, NJ. The project included new and expanded parking facilities, walkways, playground, athletic fields, grandstand, historically appropriate site amenities, site lighting and environmental permitting. Included in the landscape scope was site layout, landscaping and lighting, playground design and the selection of site amenities.

Environmental Compliance for PSE&G, Palisades Division, NJ: This is an oversight program jointly developed by URS Corporation and PSE&G to help identify and eliminate potential environmental and land development permitting violations. Compliance specialist responsible for all PSE&G - Delivery Products & Construction projects in the Palisades region. Relevant tasks include interviewing site personnel and providing educational feedback, conducting comprehensive environmental and land use compliance audits, developing individual project reports and providing support to resolve non-compliant issues.



Regulatory Permitting for PSE&G, Various Locations, NJ: This project involved system upgrades to current substation facilities operated by the Public Service Electric and Gas Company (PSE&G). Worked with several PSE&G licensing & permitting managers to obtain necessary environmental and/or municipal land use and zoning permits for each project. Relevant tasks included land use and environmental due diligence, the preparation of State NJDCA application submittals and Municipal construction / zoning permits.

Delaware River Swim Beach, Township of Hardwick, NJ: This project for the National Park Service (NPS) included the development of a beachfront with associated parking and support buildings situated within the floodplain of the Delaware River. Worked with NPS to develop a site plan sensitive to the historical, cultural and environmental elements of the site. Pertinent tasks included site layout, grading, water quality assurance, environmental permitting, soil erosion and sediment control certification and local municipal permitting.

Gateways at Saddle Brook, Township of Saddle Brook, NJ: This project for the Value Group was comprised of 156 apartment units and an attached 3 level parking garage situated within a disturbed floodplain. Worked with the client and NJDEP to rectify a Notice of Violation issued for illegal filling at the site as well as flood hazard permitting. Pertinent tasks included site layout, grading, water quality assurance, major site plan approval, wetlands delineation, environmental permitting, soil erosion and sediment control certification, soil moving permit and local municipal permitting.

Professional Societies/Affiliates

American Society of Landscape Architects (ASLA)

Hardwick Township Planning Board, 2010 to present

Chairperson, Hardwick Township Environmental Commission, 2010 to present



Eric Cifaldi, PE

Bid Support & Pre-construction Assistance Task Leader

Mr. Cifaldi has 22 years of progressive experience in construction management, landfill construction and design; dredging; geotechnical engineering design and soil index testing; design of foundation systems, retaining structures, bituminous pavement and slope stability; subsurface investigations, field testing, and boring inspection.

Areas of Expertise

Construction Management
Preconstruction Services
Environmental Engineering
Geotechnical Engineering

Education

BS/Civil Engineering/Rutgers
University

Registration/Certification

2007/Professional Engineer/NY/
84876
1997/Professional Engineer/NJ/
40309

Project Specific Experience

NJDCA, Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program, NJ: Procurement Manager provides procurement services for bidding and assignment of rehabilitation and reconstruction of program homes. Responsible for:

- Updating bidding information on the web-based procurement system
- Working with Designers to ensure the Contractors have the correct information to bid the projects
- Meeting with Homeowners and Contractors during the bid process
- Coordinating assignments between the various consultants involved in the program

Final Cover Construction, Hyde Park Landfill, Hyde Park, NY - \$4,000,000: Managed the project through the final design revision, preparation of construction plans, the bid process and construction. Duties included oversight of design and field staff; presiding over meetings with the client, contractor and NYSDEC; approval of contractor payment applications; client invoicing; preventing a project shutdown by NYSDEC and resolution of contract issues.

Dynegy Northeast Generation, Inc. Baseline Construction, Danskammer Point Landfill, Newburgh, NY - \$6,500,000: Project Manager managed the project through various design revisions, preparation of construction plans, the bid process and construction. Duties included oversight of design and field staff; presiding over meetings with the client, contractor and NYSDEC; approval of contractor payment applications; client invoicing; and resolution of contract issues.

NYCDEP, Paerdegat Basin City Wide Dredging, Brooklyn, NY - \$8,900,000: Resident Engineer provided construction management services, which includes managing all staff required to perform field inspection services; maintaining and providing all records, information



and forms required by NYSDEC and the Federal Government; initiating change order requests and maintaining time and material records; facilitating and monitoring coordination of the Contractor's work with public and private companies including NYCDE; preparing draft response correspondence for NYCDEP's use; verifying partial payment requests; scheduling and chairing various meetings for the project then issuing meeting minutes; coordinating shop drawing reviews and requests for information with the Design Engineer; monitoring status of all required permits; monitoring the Contractor's compliance with all planning and scheduling requirements.

NYCDEP, Hendrix Street Canal Interim Dredging, Brooklyn, NY - \$13,200,000: Resident Engineer provided construction management services for the New York City Department of Environmental Protection (NYCDEP), Bureau of Engineering Design & Construction (BEDC), Facilities Construction South. Responsibilities included:

NYCDEP, Tallman Island WPCP Wet Weather Flow Maximization, Queens, NY - \$5,500,000: Project Engineer provided project management services during design, which included budget forecasting, revising the project execution plan, reviewing subcontractor invoices, reviewing our client invoices and preparing our client's EAC accounting spreadsheet.

NYCDEP, Worldwide Technical Inspection & Concrete Quality Assurance Service Contract, New York, NY - \$12,500,000: Concrete Technologist for Program Management, inspection, laboratory testing, information management systems, and engineering support services for the New York City Department of Environmental Protection (NYCDEP), Bureau of Engineering Design & Construction (BEDC), In-House Design, Division of Design Services.

NYCDEP, Professional Engineering Design Services, Interim Concrete Inspection Program (ICIP), New York, NY - \$3,000,000: Concrete Technologist for the implementation of the Interim Concrete Inspection Program (ICIP) for NYCDEP, In-house Design, Division of Design Services. Led QA/QC of mix design reviews and overall program compliance to NYC Department of Building Codes (DOBC), NYCDEP and ACI standards.

Project Design, Ocean County Landfill, Manchester, NJ - \$1,000,000: Project Engineer designed force main systems for three condensate sumps, which were part of a supplemental gas header project for the landfill. Prepared construction plans, specifications and cost estimates for the condensate sumps and force mains. Attended several meetings with the client to address their comments on the design.



Specifications and Submittals, Cape May County MUA, Cape May, NJ - \$1,500,000: Project Engineer prepared project specifications for new cell construction at the county's landfill. Reviewed a majority of the project's submittals and coordinated geosynthetic conformance and interface testing with the contractor, manufacturers, laboratory and client.

USACE, Seneca Army Depot, Romulus, NY - \$1,000,000: Quality Control prepared and/or reviewed project documentation, which included specifications, technical submittals, permits, regulatory compliance, daily reports and certified payroll. Monitored project quality control using the USACE Three Phase Inspection system. Communicated with USACE representative and all project staff to ensure that the project goals were achieved.

USACE, Plattsburgh Air Force Base, Plattsburgh, NY - \$1,000,000: Site Manager/Quality Control supervised and inspected a landfill closure. Supervision included inspecting various remedial construction activities, geotechnical sampling and testing of soils, and fabrication of geosynthetics in field. Coordinated work with subcontractors and submitted transmittals to USACE.

USACE, QC, Lone Pine Landfill Superfund Site, Freehold, NJ - \$50,000,000: Quality Control Engineer inspected remedial construction activities for a Superfund landfill closure. Remedial construction activities included a leachate collection system, a slurry trench, a gas venting system, and a very low-density polyethylene (VLDPE) liner.

USACE, Environmental QA Oversight, Picatinny Arsenal, Picatinny, NJ \$1,000,000: Provided QA oversight of preliminary site investigations, remedial construction, and site cleanup at several locations within the Arsenal. Activities included building decontamination, abandonment, removal of underground storage tanks (USTs), unexploded ordnance (UXO), and waste classification and disposal.

Specialized Training

40-hour / Hazardous Waste Site Training Course

8-hour / Hazardous Waste Refresher Course

10-hour/ Construction Safety Training Course



Malik Rasool

Field Inspections Task Leader

Areas of Expertise

Construction Inspection
Project Management

Education

Degree/B.E. in Civil
Engineering/N.E.D. Engg. University
/Karachi, Pakistan

Registration/Certification

NICET Level III, Transportation
Engineering Technology Highway
Construction, Cert.# 119182

NICET-Level III

Associate Project Manager (URS)
OSHA 10 Hour

Mr. Rasool has over 16 years of experience on major public work projects, holding positions ranging from Office Engineer/Senior Inspector to Change Order Specialist and well versed in Project Management. His experience encompasses roadways, pump stations, sewer and force mains, water mains and other infrastructure projects.

Project Specific Experience

New Jersey Department of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs, NJ: Performed NJDEP Tier II environmental site assessments/inspections for Sandy related work in NJ State. Examined the overall exterior condition of the homes. Coordination with home owners.

Dormitory Authority of the State of New York – RECREATE, Various Locations, NY: Perform QA/QC review of completed site assessment reports (Estimated Cost to Repair and Allowable Activities) for Sandy storm related work in NY State. Marked up inspection reports with detailed room measurements, analyze inspection report and enter relevant information into the estimating database system, examine photographs of homes and file and code them, run quantity and measurement reports for homes by using Xactimate software, and examine inspection packets for completeness.

NYCDEP, Ave V Pump Station/Force Main Construction, Brooklyn, NY - \$160,000,000: Office Engineer for this major upgrade of the 30 MGD Avenue V Pump Station. The upgrade increased capacity to 80 MGD, allow for unmanned operation and, improve and restore the appearance of the 1917 Beaux Arts architecture. Scope of work included, installation of new HVAC and Electrical equipment and Plumbing modifications, installation of over 3 miles of 42-inch force main and 2.5 miles of 48-interceptor along major highways, elevated trains, etc were constructed. Major construction challenges were temporary pumping, dewatering, community relations and permitting. Assists Construction Manager and Sr. Resident Engineer on various office and field tasks. Performs site inspections for demolition and removal of old concrete/wooden structures including mechanical, electrical and plumbing demolitions.

NYCDDC, Construction of Storm Sewer & Outfall in Far Rockaway, Queens, NY - \$10,000,000: Inspector/ Assistant Office Engineer for the construction of Outfall and box sewer over timber and concrete mini piles, installation of catch basins, 8- to 20-inch distribution water mains, construction of curbs, sidewalks, and roadways, street lighting, installation of traffic signals, traffic and street name signs, landscaping



and tree plantings. Work also included coordination with various city agencies. Assist office engineer for reviewing inspectors reports, processing payments, change orders as per NYC DDC specs and procedures.

NYCDDC, Reconstruction of Rosedale Area Streets, Queens, NY – \$8,500,000: Construction Inspector for this project, which consisted of construction of 36- to 48-inch diameter storm sewers on piles, reconstruction of sanitary sewers and lining of some existing sanitary sewers, installation of catch basins, 8- to 20-inch distribution water mains, construction of curbs, sidewalks, and roadways, street lighting, installation of traffic and street name signs, landscaping and tree plantings. Work also included coordination with various city agencies, extensive community relations with local businesses and residents. Review contractor's payment package and submittals for completeness and accuracy.



Jason M. Barrows

Site Assessments

Areas of Expertise

Asbestos, Lead-Based Paint
Chemical Engineering
Environmental Remediation
Process Control

Education

BS/2013/Chemical Engineering,
Minors: Environmental Studies
and Sustainability

Associates of Liberal Arts
Sussex Community College,
Newton, New Jersey

Registration/Certification

- OSHA 40-Hour HAZWOPER Certification (pending)
- EPA/AHERA/ NYS Accredited Asbestos Inspector
- New Jersey Lead Inspector / Risk Assessor
- SaChE Safety Certification

Overview

Mr. Barrows has extensive experience as an environmental scientist, which includes site investigation of asbestos and lead-based paint inspections. He is currently working on the NJDEP RREM program.

Project Specific Experience

New Jersey Department of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs, NJ: Environmental Scientist providing site inspection/identification of any and all hazardous materials; documenting environmental concerns and wetlands mapping; and locating any ASTs in area and documenting.

Reconstruction, Rehabilitation, Evaluation and Mitigation Program (RREM), New Jersey: Environmental Scientist performing Lead Based Paint inspections and risk assessment; asbestos inspection and assessment; using Touch-draw sketch dwelling units and sampling areas; and using Finback670 enter in data for detailed reporting.

Fermentation Project, Chemical Engineering Laboratory, Newark, New Jersey: New Jersey Institute of Technology- Research Assistant, controlled batch fermentation experiment, data collection, growth rate analysis, optimized alcohol production for each trial fermentation, and maximized production by scaling up the process from a batch reactor to a CSTR.

Otto H. York Dept. of Chemical Engineering, Newark, New Jersey
New Jersey Institute of Technology- Research Assistant performed various experiments on pharmaceutical powders; characterization of powder behavior using standard pharmaceutical grade equipment; dissolution profile optimization to extend drug effectiveness.

Affiliates

- American Chemical Society (ACS) **2010 - Present**
- American Institute of Chemical Engineers (AIChE) **2010 - Present**
- New Jersey Mycological Association (NJMA) **2012 - Present**
- Northeast Organic Farming Association of New Jersey (NOFA- **2012 - Present**
- American Society for Quality (ASQ) **2013 – Present**
- New Jersey Mycological Association (NJMA) **2013 - Present**

Licenses/Registrations:

NYCDEP Asbestos Investigator

NYCT Track Safety Training

NYS DOL Asbestos Inspector

NYS DOL Asbestos
Management PlannerNYS DOL Asbestos Project
MonitorNYS DOL Asbestos Air
Sampling Technician

USEPA Lead Paint Inspector

OSHA 10 Hour Safety
Standards for Construction

Joined LIRO on 7/17/06

Richard Cerrato
*Asbestos/Lead Paint***Professional Profile**

Mr. Cerrato has over 20 years of experience in performing asbestos inspections and abatement monitoring. Some of the notable projects Mr. Cerrato has been directly involved with are provided below:

Experience**Marlboro Psychiatric Center**

Provided quality control review of data associated with the asbestos and environmental inspection of over 100 buildings associated with the abandoned facility. Mr. Cerrato worked closely with both the environmental and structural assessment teams to ensure that the identified hazardous materials were accurately and consistently quantified and mapped. Subsequently he prepared detailed remediation cost estimates that minimized mobilization and logistical costs, and reflected practical application of abatement and controlled demolition procedures.

DASNY Asbestos/Environmental Consulting Services, Statewide: LiRo is provided environmental consulting services for the Dormitory Authority of the State of New York (DASNY) in their managed properties throughout New York State. These services included (a) site inspections to identify and evaluate the impact of any existing hazardous materials, universal wastes, lead based paint, and asbestos containing materials, (b) design services to generate site specific abatement specifications and removal drawings, (c) abatement project management, (d) project monitoring and air testing during abatement.

JFK International Airport, JetBlue Airways, Terminal 6 Remediation: Terminal 6, most recently used in 2008 as the temporary arrival/departure facility for JetBlue Airways during the construction of Terminal 5, required a complete hazardous materials and asbestos investigation that defined the extent of remediation necessary to enable modernization and conversion of the facility for future aviation operations. The investigation required a comprehensive survey of all spaces associated with the facility most notably the non-passenger receiving areas, mechanical spaces, manholes beneath outer access roadways, and the truss-supported ceiling plenum high above the passenger area. All hazardous materials were inventoried and specifications were drafted for their future disposal or recycling. Asbestos-containing materials (ACM) were identified and quantified: Detailed ACM removal plans and specifications were prepared that defined the phasing of the sequential removal work, locations of work area limits and decontamination units, access/egress points, temporary utilities, and the requisite number negative air units for containment support. Variance applications to New York State Department of Labor Engineering Services Unit were secured that provided modified abatement methods sufficient for facilitating and expediting the removal work while maintaining environmental health and safety. All inspection and design work was coordinated with the PANYNJ environmental department and Tenant Liaison office.

New York City School Construction Authority, NY: Mr. Cerrato served as Project Manager responsible for several indefinite quantity Asbestos and Lead Paint Consultant Services Contracts since 1995. Inspection services include project scoping with SCA managers, review of architectural restoration plans and MEP drawings, conducting asbestos investigations and preparing comprehensive, scope specific reports complete with photographic documentation, ACM location plans, and cost estimates for possible remediation or O&M. For renovation projects entering the construction phase, the development of site specific abatement work plans, phasing schemes and defining site logistics is performed in close coordination with SCA environmental compliance auditors and project officers. During abatement, management responsibilities include close coordination and scheduling with contractors and lab analysts to ensure timely re-occupancy of abated school areas, general project management, and final report compilation submission.

NYCT Asbestos, Lead and Comprehensive Environmental Consultant Services Contract, NY: Mr. Cerrato served as Project Manager for large abatement efforts. His services included chairing Project Roles Meetings, reviewing work plans, assisting NYCT in preparation of in-house work permits, cost estimating, project coordination and interfacing with site representatives, and project management with oversight of the abatement contractors. Project sites included operating substations, subway stations, office buildings, mechanical rooms, rail yards, bus depots, tunnels, bridges, and various other structures throughout many of NYCT's three thousand facilities located throughout the five boroughs of New York City.

Properties for ConEdison, Reliant Energy, Keyspan and the former LILCo: Mr. Cerrato served as Project Manager responsible for Asbestos Consultant Services. Lead Based Paint and other Hazardous Material remediation management as requested. Services included asbestos inspections, project coordination, corresponding with management and facility supervisors, on-site project management, completing project reports and submission of payment requisitions. Managed field staff, ensuring contractor and technician compliance with all regulatory and contractual requirements. Project sites included power generating plants (steam and gas turbine), substations, office facilities, manholes, and cable tunnels beneath the East River. Responsible for site investigations and generating NYC DEP ACP-5 forms for work within NYC in order to obtain NYC DOB permits.

NYCT Indefinite Quantity Remediation Contract, Various Locations Throughout New York City: Mr. Cerrato served as Project Manager responsible for three indefinite quantity remediation services contracts. Responsible for maintaining schedule documents, maintaining shop drawings, working drawings and catalogue cuts of replacement materials, directing the field staff (managing, scheduling and coordinating all workers to complete a task order), ensuring the delivery to the work site of all required materials and equipment, managing waste disposal and/or recycling and completing all cost estimates/proposals and the completion of payment requisitions. Project sites included operating substations, subway stations, office buildings, mechanical rooms, rail yards, bus depots, tunnels, bridges, and various other structures throughout the five boroughs of New York City. The three contracts totaled \$25M in value. Mr. Cerrato was responsible for managing five subcontract agreements, with various General Contractors, performing asbestos and hazardous material remediation for station rehabilitation projects.

Various Private Properties, Throughout NYC, Upstate NY and Long Island, NY: Mr. Cerrato served as Project Manager for Environmental Consulting and Remediation Contractors. Developed work plans for asbestos abatement and the removal/remediation of other hazardous materials. He prepared site specific variances and other variance applications for asbestos abatement projects. Services included inspections, project coordination, corresponding with building management, on-site project management, completing inspection and project close-out reports and submission of payment requisitions. He also managed field staff, ensuring contractor and technician compliance with all regulatory and contractual requirements. Mr. Cerrato coordinated safety, pre-construction, progress and staff meetings. He also prepared and reviewed project bid documents and was responsible for site investigations and generating NYC DEP ACP-5 forms for work within NYC in order to obtain NYC DOB permits. Assisted with obtaining alteration and demolition permits within NYC.

MARK JENKINS – Asbestos/Lead Paint

WORK EXPERIENCE:

2002-Present	Project Manager, USA Environmental Management, Inc.
1997-2002	Senior Project Manager, Environmental Services & Technologies, Inc.
1995-1997	Environmental Hygienist, ATC Environmental
1994-1995	Environmental Hygienist, Hill International
1989-1994	Environmental Hygienist, Killam Associates

EDUCATION:

Bachelor of Arts in Statistics, Rutgers University

EXPERIENCE:

Over sixteen years experience as an Industrial Hygienist and Project Manager for various environmental projects.

- Performed air monitoring and on site analysis for numerous asbestos abatement projects to insure the health and safety of building occupant.
- Participated in quarterly monitoring well sampling on various superfund sites, conducted indoor air quality surveys to determine quality of air in office environments.
- Conducted Phase I Site Assessments of various properties for the purpose of acquisitions
- Performed soil testing on various properties in Atlantic City for the Atlantic City Casino Redevelopment Authority.
- Compiled project reports utilizing various computer programs including CAD drawings.
- Comprehensive experience with design and monitoring asbestos abatement projects with Verizon and MCI Communications locations in New York, New Jersey and Pennsylvania.
- Performed lead-based paint risk assessments for Newark, Harrisburg, Wilmington and Philadelphia Housing Authorities.

Mr. Jenkins has been involved in all aspects of environmental project management. He has managed asbestos survey and abatement projects for the City of Philadelphia and School District of Philadelphia. Coordinated and managed lead risk assessments and inspections projects for New Jersey Transit, Philadelphia and Harrisburg Housing Authorities. Approved time sheets and submitted payroll. Prepared detailed asbestos and lead abatement project design specifications. Assigned environmental technicians to specific projects on a daily basis. Prepared project reports utilizing CAD and invoices for delivery to clients. Interacted with private and government client contacts to ensure efficient project progress. Prepared numerous lead risk assessment reports. Performed proposal writing and preparation for marketing new clients.

LEAD-BASED PAINT MANAGEMENT

In 1994 while employed at Hill International I attended the Lead-Based Paint Risk Assessment course and the SciTech XRF training course. After obtaining these certifications, I performed inspections and risk assessments in over 500 housing units for the Newark Housing Authority.

From this experience of field testing ATC assigned me to review the inspection data and produce over 600 lead inspection reports for Day Care Centers throughout New York City. While employed at Environmental Services & Technologies, Inc., I managed the lead-based paint inspections and risk assessment projects for the Philadelphia and Wilmington Housing Authorities. I joined USA Environmental Management, Inc. as a Project Manager specializing in lead-based paint projects.

- Coordinated and managed lead-based paint risk assessments and inspections projects for New Jersey Transit, Philadelphia, Wilmington and Harrisburg Housing Authorities.
- Prepared numerous lead risk assessment reports.
- Prepared detailed lead-based paint abatement specifications for public and private clients.

ASBESTOS MANAGEMENT

I attended my first asbestos training course in 1989 while working at Killam Associates. I proceeded to perform asbestos inspections and abatement air monitoring on various projects. I continued performing Environmental Hygienist duties at Hill International and ATC. I was hired as a project manager by Environmental Services & Technologies, Inc., and managed numerous asbestos abatement and inspection projects. I joined USA Environmental Management, Inc. in 2002 and continued to manage projects for School District of Philadelphia, Verizon, and Philadelphia Housing Authority.

- Compiled project reports utilizing CAD to create drawings.
- Written asbestos abatement project design specifications.
- Managed asbestos inspection and abatement design projects for very sensitive communication clients MCI and Verizon.

INDOOR AIR QUALITY

- Mr. Jenkins has indoor air quality surveys to determine quality of air in various office environments.
- He has performed mold testing in housing authority units and private homes.

SITE ASSESSMENTS

- Mr. Jenkins has conducted Phase I Site Assessments of various properties for the purpose of acquisitions.
- Mr. Jenkins has conducted Phase I Site Assessments and prepared reports for properties owned by Equiva, LLC (Shell-Texaco).
- Participated in quarterly monitoring well sampling on various superfund sites.
- Performed soil testing on various properties in Atlantic City for the Atlantic City Casino Redevelopment Authority.

PROFESSIONAL CERTIFICATIONS

Pennsylvania Asbestos Project Designer
Pennsylvania Asbestos Building Inspector
Philadelphia Asbestos Investigator
Philadelphia Asbestos Project Inspector
Philadelphia Asbestos PCM Laboratory
New Jersey Asbestos Safety Technician
Delaware Asbestos Project Monitor
Certified USEPA NIOSH 582
AIHA Asbestos Analyst Registrant (AAR)
Scitec XRF Spectrum Analyzer Operator Training
RMD XRF Operator Training
Pennsylvania Lead Inspector Risk Assessor
Pennsylvania Lead Abatement Supervisor
Pennsylvania Lead Abatement Project Designer
New Jersey Lead Inspector Risk Assessor
New Jersey Lead Abatement Supervisor
New Jersey Lead Abatement Project Designer



Technical Personnel Resources

VERONICA KERO, CIH, PE, MSEN

ASBESTOS/LEAD PAINT

Ms. Kero is a Certified Industrial Hygienist, a Professional Engineer and has a Masters of Environmental Engineering with 23 years experience in the environmental industry. She was a Senior Environmental Engineer with Corning, a Fortune 500 company, before co-founding Omega. Her responsibility is to oversee technical and field operations. She is also very active in the American Industrial Hygiene Association (AIHA) and the American Conference of Industrial Hygienists (ACGIH). She has presented many seminars and lectures.

PROFESSIONAL CERTIFICATIONS & LICENSES

- ABIH "Certified Industrial Hygienist"
- NJ Professional Engineer (P.E.)
- NY Professional Engineer (P.E.)
- OSHA 40-Hour HAZMAT
- NYS-DOL/EPA Asbestos Project Designer and Project Monitor, Supervisor
- OSHA Authorized 30-Hour Safety & Health Instructor

PREVIOUS WORK EXPERIENCE:

Ms. Kero's experience in the environmental & industrial hygiene field includes holding the following positions:

- Vice President of Operations for Omega for 21 years
- Environmental Engineer for Corning Engineering Environmental Services for 2 years

RESPONSIBILITIES:

- Microbiological assessments in health care facilities and institutional buildings
- Manage and design programs for field services personnel including health and safety officers, IAQ/air pollution specialists, Phase I and II Auditors, asbestos and environmental sampling technicians
- Develop/audit OSHA compliance programs for hospitals and industry
- Design IH and environmental sampling plans for hazardous waste sites
- Obtain NJ DEP air permits/air pollution control
- Conduct IAQ assessments/recommend corrective action
- Design and conduct Lead paint hazard assessments
- Design and manage Phase I And II Auditing programs
- Environmental project design and engineering
- Develop Industrial Hygiene (IH) and environmental sampling plans for hazardous waste and UST remediation sites

REPRESENTATIVE PROJECTS

Corning Glassworks (1991-present)

Designed and implemented industrial hygiene and training programs associated with tank renovation projects and process operations.

Columbia University (1992-present)

Designed and implemented asbestos, lead and industrial hygiene programs.

Hackensack University Medical Center (1992-present)

Designed and implemented asbestos, lead and industrial hygiene programs.

Phelps Memorial Hospital (1994-present)

Designed and implemented asbestos, lead, industrial hygiene programs. Designed and conducted Phase II environmental and UST site investigations and specification of corrective action.

International Paper (1995-present)

Designed and implemented asbestos investigations and abatement for the campus. Performed multiple microbiological and IAQ investigations.

Honeywell International (1995-2007)

Designed and implemented asbestos, lead, industrial hygiene programs. Designed and conducted Phase II environmental and UST site investigations and specification of corrective action.

Mount Vernon Hospital (1996-present)

Designed and implemented asbestos, lead, industrial hygiene programs. Designed and conducted Phase II environmental and UST site investigations and specification of corrective action.

Hoffmann-La Roche (1997-present)

Designed and implemented asbestos and industrial hygiene programs in construction & hazardous waste clean-up projects.

Turner Construction (1997-present)

Designed and implemented environmental, IH and worker exposure programs.

Hospital for Special Surgery (1998-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Developed the asbestos Operation and Maintenance Program.

Hercules Chemical (1998-present)

Designed and implemented asbestos investigations and abatement for 64 industrial buildings.

New York Medical College (1999-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Acted as the on-site Asbestos Project Manager and developed the Operation and Maintenance Program.

Columbia University Medical Center (2000-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings.

New York Presbyterian Hospital (2000-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Performed IH sampling inside Operating Rooms for Anesthesiologists. Prepared abatement specifications and drawings. Performed IH sampling inside the Operating Room Suite got Joint Commission compliance.

St. Francis Hospital (2003-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Performed IH sampling inside the Operating Room Suite got Joint Commission compliance. Performed multiple microbial and IAQ investigations.

National Grid (2000-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple power plants throughout New York. Prepared abatement specifications and drawings.

Bovis Lend Lease (2000-present)

Designed and implemented environmental, IH and worker exposure programs. Designed the investigation and restoration of multiple flood events in multiple new construction projects.

Torcon Construction (2001-present)

Designed and implemented environmental, IH and worker exposure programs. Designed the investigation and restoration of multiple flood events in multiple new construction projects.

Tompkins Builders (2001-present)

Designed the investigation and restoration of multiple flood events in multiple new construction projects.

United States Postal Service-Morgan Postal Facility (2001)

Designed the remediation of Anthrax contamination at the facility.

Tompkins Builders (2001-present)

Designed the investigation and restoration of multiple flood events in multiple new construction projects.

J.A. Jones-Westin Charlotte Convention Center Hotel (2001-2002)

Conducted investigation and managed the interior restoration of extensive flood event.

World Trade Center (2001-present)

Managed IH team conducting exposure monitoring for OSHA compliance during demolition.

Wyeth Pharmaceuticals (2002-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings.

Seton Hall University (2002-present)

Designed and implemented asbestos investigations and abatements for multiple buildings on the campus. Performed multiple microbiological and IAQ investigations.

Consolidated Edison of New York (2005-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple facilities in NYC. Prepared asbestos abatement specifications, and oversaw the bid review process.

North Shore/Long Island Jewish Health Care System (2007-present)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Developed the asbestos Operation and Maintenance Program. Prepared abatement specifications and drawings.



Areas of Expertise

Design

Specifications

Education

Bachelor of Engineering /
Engineering / Manhattan
College / Riverdale, NY
Minor in Business (3.1 GPA)

Registration/Certification

2013 / Professional Engineer
New York 091832

Alicia Vaccaro, PE

Plans & Specifications

Ms. Vaccaro has ___ years of experience providing engineering design services. Her experience includes preparing construction plans and technical specifications for residential projects.

Project Specific Experience

Tallman Island Wet Weather Maximization Project, NY: Design of the New Whitestone Interceptor and Throttling Facility and Regulator Improvements to deliver 160 MGD of wet weather flow to the Tallman Island WPCP. Project also includes the investigation of existing conditions of the Flushing Interceptor on Ulmer Street to determine if settlement has occurred.

- Compiled historical data of debris accumulation within the Flushing Interceptor and made recommendations for cleaning.
- Issue monthly project reports per NYCDEP Consultant Monthly Guidelines, for submission to NYCDEPs PMIS database.
- Issue monthly Permit Tracking Database updates.
- Prepare NYCDPR and NYSDEC Permit Applications for use of City Park land for interceptor location and wetland buffer intrusion.
- Provide support in gaining Community Board approval of project.
- Prepared Project Management Plan, Quality Management Plan, Regulatory Compliance Plan and Consent Management Plan per NYCDEP BEDCs Project Delivery Manual guidelines.
- Assisted in the preparation of the 30% design contract documents.
- Initiated Internal Technical Review of 30% design deliverable. Coordinated with the Quality Review Team and compiled the completed QA/QC documents.
- Started preparation of 60% design contract documents, including development of detailed specification.
- Started preparation of Joint Application for construction through Tidal Wetland, including but not limited to Federal Coastal Consistency, NYC Waterfront Revitalization Program

Consistency Assessment and Long Island Well Permit. Alley Creek Design Services During Construction provide shop drawing review support; revise and prepare application to the NYC Art Commission for above grade improvements to the Old Douglaston Pump House;



provide support in the acquisition of NYSDEC Freshwater Wetlands Permits for Boardwalk reconstruction and wetland restoration.

Master Plan Committee, Town of Monroe, NY: Project Engineer reviewed the Towns existing Master plan and developed a Comprehensive Plan which provides guidance and recommendations for future Town Board actions.

Planning Board, Town of Monroe, NY: Project Engineer reviewed Subdivision, Site Plan, Lot Line changes, & Wetland Permit applications submitted to the Town for compliance with the Towns Master Plan, Zoning Code and NYS SEQRA regulations.

Anthony Vaccaro, P.E., Town of Monroe, NY: Project Engineer for a Residential Site Plan Design and Residential Subdivision Design.

John E. Railing, PE., P.C. & Gray, Railing & Heinsman, Engineering & Surveying, Wappingers Falls, NY: Office Engineer prepared Construction Plans and Technical & Contract Specifications for Park Improvements; oversaw bid process, made bid recommendation, shop drawing & payment requisition review, construction inspection & Contract close-out per NYSOPRHP grant guidelines. Reviewed several existing wastewater treatment facilities for compliance with Ten State Standards, made recommendations for upgrades, prepared Construction Plans & Specifications for WWTF upgrades from 30,000 gpd to 150,000 gpd facilities, including an RBC & Sand Filter replacement at Valley View WTF, Pleasant Valley

Site Plan & Realty Subdivision Design - Office Engineer - Middletown, NY: Worked with clients to design projects in accordance with Town Zoning Law, including site layout, road design based on Town guidelines, drainage design using TR-55, Federal and NYSDEC Wetland, Stream Crossing and NYSDOH permit acquisition, individual well design & individual sanitary disposal system (SDS) design per NYSDOH Appendix 75-A & presented projects to Town Planning Boards. Phase I Environment Assessment prepared reports for multiple commercial properties.



Sherri M Albrecht

Permit Coordination and Approvals

Areas of Expertise

ESA Protection Plans
Ecological Evaluations
Environmental Chemistry
Environmental Permitting
Environmental
Permitting/Wetland Delineation
Environmental
Habitat Assessment
NEPA
NEPA/SEQRA Compliance
Permitting
Wetland Delineation
Wetland Restoration

Education

Master of Arts/Environmental
Science / Montclair State
University
Bachelor of Science / Biology,
Minor Chemistry / Montclair
State College

Ms. Albrecht has worked in a variety of disciplines in the environmental field since 1986 and currently focuses on environmental permitting, compliance and ecological services, including: permitting under the Clean Water Act, State wetland, floodplain and coastal regulations, incorporation of stormwater management and soil erosion/sediment control standards, NEPA compliance, ecological evaluations and habitat characterization, wetland delineation/restoration, and environmentally sensitive area protection plans.

Project Specific Experience

Private Sanitary Landfill Closure Permitting, Gloucester County, NJ: - Wetland/Permitting Specialist prepared NJDEP freshwater wetland, waterfront development and flood hazard area permit applications, which included wetland restoration and stream bank stabilization measures, for the closure of a sanitary landfill located within a former chemical manufacturing plant adjacent to the Delaware River in Gloucester County, NJ. Due to tide gates, the creek adjacent to the landfill is a freshwater, non-tidal system.

NJ Turnpike Authority - Newark Bay Bridge Reconstruction /Rt. 440 Improvements, NJ: Wetland/Permitting Specialist provided environmental permitting services to support bridge reconstruction and security improvements. Regulatory coordination with NJDEP Fish and Wildlife was required due to presence of Peregrine Falcon, a State threatened species. Wetland delineation was conducted as necessary and NJDEP Div. of Land Use Regulation permit applications were prepared as needed, including Coastal GP and Individual Waterfront Development permit applications.

Remedial Investigations- GenOn, Generating Stations, NJ: Ms. Albrecht provided environmental permitting support to advance remedial investigations in regulated areas of the GenOn Sayreville, Werner, Gilbert and Glen Gardner Generating Stations. She also was the task lead for conducting the baseline ecological evaluations at each site to fulfill NJDEP Site Investigation requirements. Work at the Sayreville and Werner Stations, which are adjacent to the tidal Raritan River and Raritan Bay required NJ Freshwater Wetland and Coastal Permits. Gilbert and Glen Gardner Stations required NJ Highlands Applications and Freshwater Wetlands approvals.

NJPDES Outfall, Salem County, NJ: Ms. Albrecht served as the permitting specialist for the construction of a NJPDES permitted



discharge into the Delaware River. Multiple jurisdictions, including NJDEP, DNREC and USACE added to the complexity of this project which required NJ Waterfront Development, NJ Tidelands, NJ and DE Coastal Consistency, DNREC Subaqueous Lands and USACE Clean Water Act Individual Permits, as well as SESC Plan approval. Coordination with state and federal fish and wildlife agencies was necessary to establish protection measures (i.e., timing restrictions) for threatened and endangered species (Atlantic and Shortnose Sturgeon) and fishery resources (both managed and anadromous fish species).

PSE&G Garden State Reliability Project, NJ: Permitting Specialist provided permitting program management services and oversaw preparation of permit applications for the upgrade of approximately 60-miles of existing transmission line in New Jersey. The alignment crossed multiple jurisdictions, including the Great Swamp National Wildlife Refuge and the New Jersey Meadowlands and the project also included improvements to multiple substations. She coordinated with the project team to identify all federal, state, regional, and local permits which would be required to fully construct the project.

Delaware River Shoreline Remediation, Salem County, NJ: Wetland/Permitting Specialist delineated tidal and freshwater wetlands within a two acre parcel of land adjacent to the Delaware River in Salem County to support site remediation. She was also the permitting specialist for obtaining the necessary NJDEP, DNREC and USACE permits. Permit applications included a mitigation proposal to address wetland and water impacts and included a functional assessment to justify the proposed mitigation option.

Wanaque River Remediation, Northern New Jersey: Ms. Albrecht served as the wetland and permitting specialist for a project involving the remediation of 21 residential, commercial and public properties along the trout maintenance river in Northern New Jersey. She conducted wetland delineations and prepared wetland mitigation plans for areas where wetland impacts could not be avoided. She prepared three separate Freshwater Wetlands and Stream Encroachment permit applications for this project. Since remediation was necessary on heavily wooded properties adjacent to the stream bank, tree surveys were conducted to document existing conditions. This was done to comply with NJ Stream Encroachment regulations for environmentally sensitive areas. Following project implementation, Ms. Albrecht conducted mitigation monitoring of restoration sites to comply with permit conditions.

Toms River Bridge, Toms River, NJ: Wetland/Permitting Specialist prepared USACE Nationwide and NJDEP Freshwater Wetland, Waterfront Development and CAFRA permit applications, as well as



NJDEP Tidelands License applications, on behalf of Ocean County Engineering Department for the construction of a new bridge over Toms River. Due to project location, complexity and funding sources, coordination with a variety of agencies, including USACE Philadelphia District, NJDEP LURP, NJ Department of Transportation, and the Federal Highway Administration, and two municipalities, was necessary. Designed the wetland mitigation plan which was required to compensate for tidal and non-tidal freshwater wetland impacts.

New Jersey Department of Transportation - Term Contract - Environmental Permitting Task, NJ: Environmental Permitting Task Leader for a multi-year service contract with the NJDOT. Several NJDEP permit applications were completed under this contract, including Stream Encroachment and Freshwater Wetlands permits for bridge replacements along the Sussex Branch Trail, a Waterfront Development permit for an outfall structure relocation in Bayonne, and a Freshwater Wetland permit for roadway widening in South Brunswick.

Professional Societies/Affiliates

Society of Wetlands Scientists (SWS)

Society for Ecological Restoration



Areas of Expertise

Construction Management
Preconstruction Services
Civil Engineering

Education

MS/Civil Engineering
Catholic University of America
Washington, D.C.

BS/Civil Engineering University
of Baghdad
Baghdad, Iraq

Issam Findakly

Bid Support & Pre-construction Assistance / Project Closeouts

Mr. Findakly has 37 years of experience in the design and construction management of diverse civil engineering projects in public and private sectors. Responsibilities include project management; design; review and process project documentations including bidding documentations and bid support services; setting site preparation & demolition required before new project is built; invoicing; monitoring contract implementation, safety and quality of work; scheduling; handling constructability issues; project close out and as built documentations.

Project Specific Experience

NJDCA, Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program, NJ: Provided structural design of timber piles for the rehab properties damaged by the Sandy Storm in New Jersey. Performed geotechnical investigation as well as environmental assessment of damaged properties to provide detailed information about the sites and properties involved.

Dormitory Authority of the State of New York – RECREATE, Various Locations, NY: Analyzed inspection reports of Estimated Cost to Repair (ECR) & Allowable Activities (AA) for damage assessment of properties damaged by the Sandy Storm in New York City; performed QA/QC and examined inspection packages for completeness before submittal.

NYCDEP, Alley Creek CSO Abatement Facilities, ODPS Pumping Station & Alley Park Environmental Restoration, Queens, NY: Civil Engineer provided design services during construction for the Alley Creek improvement project, and now closing the project.

Stage 1 of the project with a cost \$100,000,000 involved in increasing the hydraulic capacity of the combined sewers in sections of the drainage basin area to alleviate the sewer surcharging and street flooding occurred in the past in that area; including building a new CSO retention facility.

Stage 2 of the project, with a cost \$30,000,000, includes upgrade of the Old Douglaston Pumping Station (ODPS) from a dry pit to a wet pit submersible pumping station, geared towards increasing wet weather flows to the Wastewater Treatment Plant, which in turn minimizes combined sewage overflows to the East River and results in improved water quality within the NYC waterways. The ODPS capacity increased from 6 MGD to 8.5 MGD to accommodate the draining of the 5 MGD CSO storage facility constructed in Stage 1 and existing pumping station and outfall upgrades. It also involves installing, testing and



commissioning all equipment, gates, and related electrical and mechanical installations of the CSO retention facility constructed in stage 1.

Stage 3 with a cost of \$10,000,000 involves the restoration the wetland and upland of the Alley Park, which is disturbed by construction activities related to Stages 1 and 2.

Clifton Medical Center, Clifton, NJ: - \$2,000,000: Project Manager responsible for preconstruction, construction and closeout for 14 offices spread over three stories and basement, designed to house physicians' offices and medical facilities.

NJ Transit, Trenton-Camden Light Rail Project, Camden, NJ- \$5,000,000: Project Manager for the train maintenance and administration buildings for NJ Transit Trenton project involving construction of 450 ft x 48 ft train shed, a prefabricated building with CMU walls and brick facing, gate and fence. The administration building is a 500 sq. ft prefabricated building, and 56 train stop canopies.

NJSCC Abbott School Program Health and Safety Upgrades, Paterson Public Schools, Paterson, NJ - \$300,000: Project Manager for schools renovations and removal of hazardous old construction materials. Responsibilities included pre-construction, bid phase support; construction phase oversight and project close out.

The Agape Family Worship Center in Rahway, NJ - \$5,000,000: Project Manager for construction of a 50000 sq. ft built on two floors, a church with teaching classes and daycare center. Responsibilities included pre-construction, bid phase support; construction phase oversight and project close out.

Specialized Training

10 Hrs OSHA Construction Safety and Health



Gary Bodine

Field Inspections

Areas of Expertise

Architecture
Construction Inspection
Construction Administration
Historic Preservation

Education

Architecture / New Jersey
Institute of Technology
School of Architecture
Architecture / Rome, Italy
Architecture Studio
Bachelor of Arts / Historical-
Political Science / Rider
University

Certifications

OSHA 10 hour Construction Site
Safety Certification
16 Hour Suspended Scaffold
User Certification
4 Hour Supported Scaffold
User Certification
6-Hour NYC/DEP Health &
Safety Training for Construction
Sites from the NYC/DEP Bureau
of Engineering, Design &
Construction (BEDC).

Mr. Bodine has over 26 years of experience in architecture, historic preservation, construction, and construction administration. His technical expertise is in building restoration, physical condition assessments, and construction inspections.

Project Specific Experience

USPS - Morgan Facility Renovation, New York, NY - \$67,000,000: Specifications Coordinator and Construction Inspector for the renovation of the Landmark postal administration and mail processing facility. Mr. Bodine also provided inspection services during construction for various renovations which included replacement of 1,000 historic steel windows, lighting and AHU upgrades, office renovations, and the installation of a 120,000 SF green roof.

United States Postal Service, ADA Compliance - NJ and NY Post Offices: Coordinated the inspection of 260 USPS facilities in New York and New Jersey for compliance with the federal Americans with Disabilities Act (ADA) and the Architectural Barriers Act (ABA). Also provided construction administration, construction inspection services and project close-out for facility upgrades to 65 Post Offices.

NYCSCA - IS 2R Structural Repairs, New York, NY - \$3,500,000: Project Designer/Inspector for the repair of the structural concrete frame at Intermediate School #2 in Staten Island. Repairs focused on extensive spalling and failure of reinforced concrete structure. Responsibilities included supervising the production of contract documents, construction administration, inspection selected demolition and reconstruction, and conformance documents.

NYCSCA - Public School Capital Improvement Projects, New York, NY - \$40,000,000: Staff Designer/Inspector for the modernization of PS 15M, 190M, 72M, IS 223M, 52X, PS68X, 22M, The Wadleigh School and Manhattan Vocational Technical High School. Improvements include roof replacement, window replacement, masonry restoration, ADA compliance and HVAC upgrades. Responsibilities included field supervision, construction inspection of selected demolition and reconstruction, contract administration and conformance documents.

NYCSCA - Rehabilitation of George Washington High School, Historic Landmark Building, New York, NY - \$17,000,000: Staff Designer/Inspector for the exterior rehabilitation of this Historic Landmark building. The restoration of the 395,000 sq. ft. building included the removal and re-assembly of a six-story cast stone cupola.



Along with the restoration of 1300 historic steel windows, over 3,000 lineal feet of detailed cast stone parapets were reconstructed and reinforced. Responsibilities included field supervision, inspection of copula removal and replacement, construction inspection of selected demolition and reconstruction, contract administration and conformance documents.

Avenue "V" Pumping Station Restoration, City of New York Dept. of Environmental Protection, New York, NY: Preservation Advisor/Field Supervisor for the preservation and restoration project designed to NYC Landmark Preservation Commission standards at the direction and review of NYC Public Design Commission (formerly the Art Commission). The project addressed the preservation and restoration of a 10,000 SF, early 20th century, Beaux Arts style, pump house. All historic elements required substantial restoration or preservation due to years and neglect and water penetration. Additional site work included the construction of two matching period style support buildings, the re-creation of original terra brick and cotta garden walls, and the installation on a new Green Roof. Responsibilities include advising the URS construction management team on historical preservation and restoration procedures during the construction phase, along with field supervision of the restoration and preservation of all historic elements.

NYCDDC - City of New York School Building Rehabilitation Program, New York, NY - \$24,000,000: Staff Architect/Inspector for rehabilitation project for various schools for the Department of Design and Construction. Improvements included roof replacement, window replacement, masonry restoration, ADA compliance and HVAC upgrades. Responsibilities included construction administration and construction inspection of selected demolition and reconstruction.

Newark Public Schools Health and Safety Upgrades, NJ Economic Development Authority, Newark, NJ - \$5,500,000: Staff Designer for the Health and Safety Upgrade for the Branch Brook, Roseville, Franklin and Clemente elementary schools and for Technology HS for the New Jersey Economic Development Authority. Upgrades included window replacement, masonry restoration and fire egress compliance. Responsibilities included building assessment and construction documents.

Jersey City Public Schools, P.S. 16 and P.S. 37, NJ Economic Development Authority, Jersey City, NJ - \$2,300,000: Staff Designer for the restoration of PS 16 and PS 37 for the NJ Economic Development Authority Education Facilities Construction Program. Rehabilitation work included masonry restoration, asbestos abatement, electrical upgrades and fire egress compliance. Responsibilities include building



assessment construction administration and construction inspection of selected demolition and reconstruction.

NJEDA, Irvington Public Schools Health and Safety Upgrade Projects, NJ - \$2,600,000: Staff Designer for the Health and Safety Upgrade for the Grove, Madison, Augusta and Mt. Vernon schools for the New Jersey Economic Development Authority. Upgrades included window replacement, masonry restoration and fire egress compliance. Responsibilities include building assessment, construction administration and conformance documents.

USPS - Springfield Avenue Post Office - Staff Designer- Newark, NJ - 2002: Staff Designer responsible for field supervision for the construction of the 20,000 square foot postal facility for the United States Postal Service.



Areas of Expertise

Construction Management
Field Inspection

Education

BS/Civil Engineering
Technology / Roger Williams
College

William E. Izer

Project Closeouts

Mr. Izer is a Project Engineer responsible for construction management, inspection, field engineering and design services. Responsibilities include water, wastewater treatment and civil projects, preparing plans and specifications, reviewing bids, assisting in contract award, attending pre-construction meetings; scheduling work, reviewing shop drawings, inspection and testing; resolving construction problems; preparing progress reports; preparing and approving progress payments; issuing bulletins and change orders; contact with State and Federal agencies to approve change orders; attending start-up meetings; preparing operation and maintenance information; preparing as-built drawings; organizing project close-out and preparing information for contract litigation.

Project Specific Experience

Wyeth Ayerst/Lederle Building Demolition, Pearl River, NY: Project Engineer for design of process building demolition and relocation of process piping and utilities.

Weldon Road Water Treatment Facility, Jefferson Township, NJ: Project Engineer for design and engineering services during construction of a new water treatment facility for the Jefferson Township Municipal Utilities Authority.

Raritan Township Wastewater Treatment Plant, Raritan, NJ: Project Engineer for construction management and engineering services during the expansion of the facility for the Raritan Township Municipal Utilities Authority.

White Rock Lake Wastewater Treatment Plant, Jefferson Township, NJ: Project Engineer for design, engineering and inspection services for upgrading the existing wastewater treatment plant with new electrical and mechanical equipment, cleaning and repainting two steel clarifiers and refurbishing existing sand filter beds.

Belvedere Wastewater Treatment Plant, Belvedere Pumping Station and Oxford Wastewater Treatment Plant, Warren County, NJ: Project Engineer responsible for construction management and engineering services during construction for the Warren County Pequest River Municipal Utilities Authority. These projects include two new 0.5 MGD treatment facilities and two 1.5 MGD pumping stations.

Bowling Green Townhouse Development Sanitary Sewer and Water Distribution Systems, Jefferson Township, NJ: Project Engineer responsible for construction management, engineering and inspection



services for the installation of sanitary sewers, storm sewers, water mains, sanitary sewage holding tank with ejector and subgrade filter beds.

Peach Hill Estates Townhouse Development, Ramsey, NJ: Project Engineer responsible for construction management and engineering and inspection services for the installation of storm drainage and seepage pits, sanitary sewers and water mains.

DeGraw Avenue Sanitary Sewer, Teaneck, NJ: Project Engineer responsible for construction management, engineering and inspection services for the Township of Teaneck, during the installation of a new 20/24" gravity sewer.

Bluff Road Pumping Station Reconstruction, Fort Lee, NJ: Resident Engineer/Project Engineer for the Borough of Fort Lee, involving the installation of a new combined sewer overflow/regulator chamber, piping and mechanical equipment and general upgrading of this facility.

Main Pumping Station Reconstruction, Fort Lee, NJ: Project Engineer for the Borough of Fort Lee, involving the installation of a new combined sewer overflow/regulator chamber, piping and mechanical equipment.

Glenwood Park Sewage Pumping Station, Teaneck, NJ: Project Engineer responsible for construction management, engineering and inspection services for the Township of Teaneck for the construction of a sewage pumping station.

Jockey Hollow Booster Pump Station, Morristown, NJ: Project Engineer responsible for construction management, engineering and inspection services for construction for the Southeast Morris County Municipal Utilities Authority.

White Rock Lake Well House No. 2, Jefferson Township, NJ: Project Engineer responsible for construction management, engineering and inspection services for modifications and architectural improvements to an existing water supply pumping facility for the Jefferson Township Municipal Utilities Authority.

Weldon Road Water Transmission Main, Jefferson Township, NJ: Project Engineer responsible for construction management, engineering and inspection services for installation of the ductile iron water transmission main for the Jefferson Township Municipal Utilities Authority.



Barry A Gleissner, PLS

Surveying

Areas of Expertise

Surveying

Education

AA/Pre-Engineering /
Cumberland County College /
NJ

Registration/Certification

2013 / New Jersey Professional
Planner 2000

Mr. Gleissner has been responsible for the managing and oversight of land surveying and mapping for a wide range of projects for both the private and public sector clients. He has experience with the following, to name a few; ALTA/ACSM Land Title Surveys, right-of-way surveys, highway, existing conditions, railroads, construction, environmental, subdivisions, as-built, preparation of various types of descriptions, and expert witness testimony. Quality control and safety are a big part of every project he works on. The experience that Mr. Gleissner has, allows him to identify survey issues before they become critical to a project. He believes that good communication with the client is the most important part of a project.

Project Specific Experience

USDOT - Revision of the USDOT/FAA William J. Hughes Technical Center Hazardous Waste Management Plan, FAA William J. Hughes Technical Center, Atlantic City International Airport, NJ: Surveyor in charge for this 5 year Task Order contract involving field surveying and management services to upgrade the subject plan and to insure the facility's compliance with Federal and New Jersey environmental and occupational safety regulations. The first task required a review of the current plan, field crews receiving appropriate safety and security training and clearances, and the conduct of field surveys to locate existing hazardous material sites. New sites were mapped and located on the Center's GIS mapping system.

USDOT - FAA William J. Hughes Technical Center Environmental and Safety Support Services, Pomona, Atlantic County, NJ: Provided engineering and survey services to the USDOT/FAA Research & Development facility to insure the facility's compliance with Federal and New Jersey environmental and occupational safety regulations. Work involves locating (GIS), documenting and verifying hazardous material sites at the facility. This project is a 5-year task order agreement.

PANYNJ - On-Call Professional Land Surveying Services, New York and New Jersey.: Provided survey services at the following PANY&NJ locations:

- Newark Airport involving Runway 4-22, intersecting taxiways, and a bridge to a water treatment plan
- Outerbridge Crossing involving the Toll Plaza area
- Hudson Bergen Light Rail Transit System involving providing



- control and topographic survey of Corbin Street
- Maher Terminal, a 2 lane highway for trucking and shipping traffic involved control and topographic survey in 25' grids for repaving and for the Light Rail
- Holland Hook Shipping Port involved construction layout for settling plates for dock construction, pilings, waterline, borings, and a truck wash bay
- World Trade Towers (Ground Zero) survey work in the aftermath
- Construction layout at various sites for the port facilities, etc.

New Jersey Turnpike Authority - Interchange 1 Toll Plaza Relocation, Contract No. 1886, Salem County, NJ: Served as Professional Land Surveyor for the preparation of as-built services and quantity calculations for the new toll plaza. The roadway was as-built (both horizontal and vertical) periodical to verify that the proper amounts of material were being brought in. Horizontal locations were also done for ramps including guiderail, support structures, and walkways.

City of Bridgeton - Route 49 Bridge over the Cohansey River, Cumberland County, NJ: Served as Professional Land Surveyor for an effort to provide engineering/survey services for the replacement of the Route 49 Bridge over the Cohansey River. Work included: topographic survey with GPS control; roadway and hydrographic cross sections; planimetrics, boring and wetland locations, Survey Control Report, utility relocations, base maps, riparian issues, and development of a deed mosaic.

Spartan Township - Replacement of Bridge Q-11 (CR 620) over Sparta Glen Brook, Sussex County, NJ: Surveyor in charge of topographic survey including: establishing control, roadway and stream cross-sections, establishing existing ROW from tax maps, bridge structure and supports, survey wetlands markers, base maps, locating boring and pavement coring sites, preparing a survey tie and grade sheet as well as drainage and utility locations information, and preparation a survey control report.

Replacement of Cedar Bridge over Patcong Creek, Atlantic County, NJ: Surveyor in charge of a survey of an existing 2 lane, single span, steel stringer bridge. Work included: topographic survey, roadway cross-sections, centerline profile, driveways, ROW, stream cross-sections, and location of water storage areas. Also included base mapping, DTM, and calculations to determine height and span of the new bridge.

Corbin City, Atlantic County & Upper Township, - Route 50, Section 2E, 3B, Bridge Replacement over the Tuckahoe River, Cape May County, NJ: Surveyor in charge of an effort to provided survey services including: setting of targets and review aerial mapping; conduct of



topographic survey with primary control established on site by GPS; conduct of roadway and river cross sections; preparation of a survey control report, final base plans, as well as preliminary and final ROW documents.

Burlington Road Reconstruction Project (Route 638), Fairfield Township, Cumberland County, NJ: Surveyor in charge of an effort to establish on site control points with the use of GPS. Centerline road profiles and cross-sections were performed along with collecting all topographic features along the roadway. Field edits were performed on the base maps developed from the fieldwork. All information gathered was then delivered to the county engineer's office in the form of hard copies and in AutoCAD format.

Louis's Court Subdivision, Vineland, NJ: Planner/Surveyor responsible for an approximately 38 acres outbound, topographical and wetlands delineation survey to support an in-house Major Subdivision Design (ongoing.) The project included the design of two new streets (roadway, curb, sidewalks, and inlets), and utilities including sanitary sewer and drainage facilities. Barry is also responsible for the preparation of the final plat, deed descriptions of proposed roadways, and setting monumentation.

Fawn Hollow Subdivision, Woolwich Township, Gloucester County, NJ: Planner/Surveyor responsible for the performance of engineering design services for this 130 acre, 58-unit subdivision which included the design of four new streets (roadway, curb, sidewalks, and inlets), included design of utilities (septic and well) including drainage facilities.

Washington Oaks II & III Subdivisions, Franklin Township, Gloucester County, NJ: Planner/Surveyor responsible for this project involving a 20 acre, 16 lot and a 30 acre, 16 lot subdivision including the design of a new street (roadway, curb, sidewalks, inlets), along with all the utilities, drainage, streetscape and basin landscape. Work also included: outbound surveys for each parcel, and ongoing surveys during construction; developing a hydraulic design, storm water drainage and detention system, designing sanitary sewer and potable water extensions; obtaining local and state permits, calculating construction quantities, designing a subdivision layout. Preparing Minor Subdivision Plans, obtaining municipal and county approvals.

Orchard Glen Subdivision, Bridgeton, Cumberland County, NJ: Planner/Surveyor responsible for the topographic survey to verify existing conditions, outbound surveys for each parcel, and ongoing surveys during construction; developing a hydraulic design, storm water drainage and detention system, designing sanitary sewer and potable water extensions; obtaining local and state permits, calculating construction quantities, designing a subdivision layout, preparing Minor



Subdivision plans, obtaining municipal and county approvals.

City of Vineland - Boulevard Estates, Cumberland County, NJ:
Planner/Surveyor responsible for performing design services for a 38 acre subdivision with 30 lots. The project included the design of two new streets (roadway, curb, sidewalks, and inlets), and utilities including sanitary sewer and drainage facilities.

Elk Township - Country Woods Subdivision, Gloucester County, NJ:
Planner/Surveyor responsible for this project involving a 68 acre, 20 lot subdivision including the design of two new streets (roadway, curb, sidewalks, inlets), along with all the utilities, drainage, streetscape and basin landscape. Work also included: outbound surveys for each parcel and ongoing surveys during construction, calculating construction quantities, designing a subdivision layout, preparing Minor subdivision plans, obtaining municipal and county approvals. Barry is also responsible for the preparation of the final plat, deed descriptions of proposed roadways, and setting monumentation. Meeting an aggressive schedule was a particular challenge.

Buena Borough - Minotola Estates, Atlantic County, NJ:
Planner/Surveyor to perform design services for a 19 acre, 20-lot subdivision. The project included the design of a new street (roadway, curb, sidewalks, inlets), and utilities including sanitary sewer and drainage facilities.

City of Millville - The Woods at Millville, Cumberland County, NJ:
Planner/Surveyor responsible for performing engineering design services for this 13 acre, 40-unit subdivision which included the design of two new streets (roadway, curb, sidewalks, and inlets), included design of utilities including sanitary sewer and drainage facilities.

City of Vineland - Rockefeller Estates, Cumberland County, NJ:
Planner/Surveyor responsible for the performance of engineering design services for a 22 acre subdivision with over 40 lots. The project included the design of a two new streets (roadway, curb, sidewalks, inlets), and utilities including sanitary sewer and drainage facilities.



Ann Terranova

Public Outreach & Participation

Areas of Expertise

- Public Outreach Strategy & Implementation Management
- Project and Program Management
- Creative Solution-Based Public Affairs Consultation
- Mediation & Dispute Resolution

Education

- BS/Urban and Regional Planning

Registration/Certification

- Certified Floodplain Manager

For almost 30 years, Ann Terranova, Senior Program Development Manager and Senior Communications Specialist with URS, has created, managed, and implemented strategic community engagement and outreach programs to assist clients solve highly controversial and complex technical and environmental problems. Through demonstrated experience, Ann knows how to successfully plan for and complete community engagement and risk communications projects.

Project Specific Experience

FEMA Risk MAP PTS, FEMA Regions II, III, IV, V, VI, Community Engagement and Risk Communications Lead: Ms. Terranova is currently serving as the Community Engagement and Risk Communication Lead for PTS Provider RAMPP on the Federal Emergency Management Agency's Risk Mapping, Assessment, and Planning Program (Risk MAP). This involves a high degree of coordination with communities affected by FEMA's initiative to communicate about the risks of living and working in high flood hazard areas. Ms. Terranova also has provided community engagement and risk communication support in the Advisory Base Flood Elevation and Preliminary Work Map rollout in New York and New Jersey in the aftermath of Hurricane Sandy. She worked closely with FEMA Regional and Headquarters staff in developing communications materials for New York City and New Jersey Governor-hosted meetings with community officials, Congressional staff, and the media to explain the advisory information and answer questions.

Task Manager/Principal Planner/Facilitator, Mississippi River Gulf Outlet Program, Public Meeting Coordination and Facilitation, USACE New Orleans District, LA. Ms. Terranova managed community meetings with key stakeholders regarding the USACE evaluation of the Mississippi River Gulf Outlet. She managed a staff of four communications specialists responsible for preparing all information materials and coordinating the logistics associated with the meeting. She worked with USACE technical and public affairs staff to develop a meeting strategy, which included goals and objectives, key messages, tools and tactics and an evaluation approach to assess how well the meetings met USACE objectives. She served as the senior technical reviewer for fact sheets, flyers, posters, display ads and poster boards that were prepared for the meeting.

TARC National Dam Safety Program Task Order Manager: Ms. Terranova leads a team of strategic communications specialists in the



development of a multi-dimensional strategy to enhance the visibility of FEMA's National Dam Safety Program. Through the development of the strategy, Ms. Terranova helped to create the overarching theme regarding shared responsibility for dam safety awareness and actions to reduce associated risks when living and working in areas affected by dams. Discrete elements of the program included development and implementation of the 2013 National Dam Safety Awareness Day, the development of the NDSP 2012 Annual Year in Review, establishing the NDSP presence on FEMA.gov and the preparation of multiple updates to important NDSP publications.

HMTAP Floodplain Management Technical Assistance Task Order Manager. Ms. Terranova has led a team of strategic communications and NFIP experts in the execution of FEMA's Floodplain Management Branch Technical Assistance Contract under the URS HMTAP Contract. She has been responsible for all aspects of Task Order administration as well as directing qualified staff in providing support to the Community Rating System efforts, the development of a FPM Accomplishments document showcasing important program achievements, preparation of four higher standards one-pagers, and the development of Web content recommendations for enhancing FPM presence on FEMA.gov.

U.S. Army Corps of Engineers National Levee Database Outreach Task Order Manager: URS is providing support to the U.S. Army Corps of Engineers (USACE) in developing and implementing a comprehensive communications and outreach strategy to raise awareness about the USACE National Levee Database and increase usership by important internal and external audiences. Ms. Terranova is leading a team of strategic communications and public relations specialists in the development and implementation of a multi-faceted, multi-media communications strategy to meet USACE NLD communications goals and objectives. A cornerstone of the strategy is conducting stakeholder interviews to gather information about the current level of NLD use and how the USACE can enhance communications to raise awareness and increase its use. An important component of the work provided by URS is the development and delivery of NLD training and the development of information materials about the NLD database. To garner support, URS is providing meeting facilitation services with key internal and external stakeholders to obtain important feedback on the efficacy of the NLD.



Education

Associates in Architecture /
Architecture / SUNY Delhi /
New York

Peter Witt

Estimating

Mr. Witt is an experienced manager with 30+ years of experience delivering on-time, on-budget quality projects. He has extensive experience performing estimating services for numerous projects in NJ, including housing. He is currently the estimator for the NJRREM Program.

Project Specific Experience

NJ Department of Community Affairs, NJ RREM Program (Rehabilitation, Reconstruction, Elevation and Mitigation), NJ: Estimator responsible for producing estimates for 63 New Home Designs prepared by URS architects. Worked with DCA and all the NJ and Federal Agencies involved with the program. Also served as Procurement Officer in charge of all bidding for the program. All the homes were priced by Pre-Qualified Contractors and an analysis against the RREM estimate was used to come up with a reasonable cost for the Program homes.

Ramsey Senior Housing - Ramsey Senior Housing, Rutherford, NJ: Estimator for this HUD funded project, which included construction of 100 residential units.

Rutherford Senior Housing - Rutherford Senior Housing, Rutherford, NJ: Estimator for this HUD funded project, which consisted of construction of 56 residential units.

The Mill at Little Falls - The Mill at Little Falls, Little Falls, NJ: Estimator for the renovation of 4 carpet Mill buildings and construction of a 9-story concrete residential building. Also included was construction of a 2-story pre-cast parking garage.

Montclair Mews - Montclair Mews, Montclair, NJ: Estimator for the construction of 10 wood framed 3-story condominium buildings. Cost approximately \$300,000 per unit.

Renaissance Square - Renaissance Square, Edgewater, NJ: Estimator for the renovation of an existing manufacturing facility into condominiums. Environmental cleanup also occurred on this project.

Bradley Hall, Rutgers University - Bradley Hall, Rutgers University, Newark, NJ: Estimator for the renovation of their Arts Building, which included a new façade, mechanical systems, and interior finishes.

Manhattan Psychiatric Center - Manhattan Psychiatric Center, Wards Island, NYC - Present: Estimator for the interior and exterior



renovation of a 21-story fully operational hospital. Cost approximately \$81,000,000.

Metropolitan Detention Center - Metropolitan Detention Center, Brooklyn, NY: Estimator for the construction of a 1,000 bed correctional facility.

Wal-Mart, Cedar Knolls NJ: Estimator for an interior renovation, new floors, painting, refrigeration equipment and office remodeling.

Puissance Enterprises LLC - Puissance Enterprises LLC, New York City, NY: Estimator for the renovation of a 5-story office building. The project included converting office space into five luxury condominium units. Cost approximately \$12,000,000.

Con Edison ECC Control Center, New York, NY: Estimator for the renovation of Con Edison's control center in New York City. The project included demolition while facility was in operation, new interior heating and cooling systems, interiors and computer equipment.

Mill Pond, Franklin Lakes, NJ: Estimator for the construction of 100 rental units, 10 buildings with a clubhouse.

River Bend at Wappingers Falls, Wappingers Falls, NY: Estimator for the construction of 124 rental units, 14 buildings with a clubhouse.

Orchard Hills Estates - Orchard Hills Estates, Upper Saddle River, NJ: Estimator for the construction of 36 town homes, 2500 to 3000 sq. ft. per unit. Cost approximately \$450,000 to \$600,000.

Terra Nova - Terra Nova, Westport, CT: Estimator for the construction of 54 luxury town homes, 2500 to 3000 sq. ft. per unit. Cost approximately \$700,000 to \$1,000,000.

Sterling Green - Sterling Green, Fairfield, NJ: Estimator for the construction of 78 luxury town homes, 2500 to 3000 sq. ft. per unit. Cost approximately \$450,000 to \$750,000. Project received Community of the Year in 2002 from the NJBA, SAM Awards

Old Navy and Foot Locker - Old Navy and Foot Locker, Paramus Park Mall, Paramus NJ: Estimator for the construction of 2 new retail stores while mall was in operation.

KPMG Peat Marwick - KPMG Peat Marwick, Woodcliff Lake, NJ: Estimator for the interior fit out approximately 35,000 sq. ft., cost \$3,000,000.



Cathleen Bryant, LSRP

Licensed Site Remediation Professional

Areas of Expertise

Hazardous Compliance Studies
and Assessments
Health and Safety
Phase I and II Environmental
Investigations
Project Management
Remedial Actions
Remedial Investigations
Subsurface Investigation

Education

Bachelor of Science /
Environmental Engineering /
Florida Institute of Technology

Registration/Certification

- New Jersey Department of
Environmental Protection
- 2006 / UST Subsurface
Evaluator 282515
 - 2011 / Temporary Licensed
Site Remediation
Professional 561057
- URS Corporation Project
Manager Certification

Ms. Bryant has over 20 years of experience in all phases of the NJDEP Remedial Investigations, Remedial Actions, and UST Subsurface Evaluations. She is a NJDEP Licensed Site Remediation Professional, a NJDEP Certified UST Subsurface Evaluator and a URS Certified Project Manager. She is also experienced in hazardous, toxic and radioactive waste (HTRW) studies and assessments, engineering and institutional controls for remedial actions including Deed Notices and CEAs, and compliance audit studies.

Project Specific Experience

RRI Energy Mid Atlantic Power Holdings, LLC, Power Plant ISRA Remediations: Ms. Bryant managed remedial investigation tasks in accordance with N.J.A.C. 7:26E under NJDEP ISRA for the multi-acre power generating stations at the Sayreville, Werner, Gilbert and Glen Gardner Sites. Each ISRA Site has over 30 contaminated AOCs. Ms. Bryant is currently the LSRP on record for Sayreville and Werner Generating Stations.

Department of Design and Construction, Environmental Compliance and Remediation Recommendations, Bronx, NY: Designed and implemented an Environmental Site Investigation of the City Department of Transportation garage, and Department of Health building in the Bronx, New York. The buildings were slated for demolition and reconstruction. Prior to demolition the building interior was investigated for any environmental concerns. The building floors were covered with layers of oil stained dirt, floor drains were filled with sediments, existing underground hydraulic lifts were in place and oil pits were filled with inches of sludge. All pits and floor drains were sampled and analyzed. Soil borings were advanced through the concrete floor to evaluate the subsurface soil below stained areas and near the hydraulic lifts. Based on the results of the analytical results recommendations were made to remediate the environmental concerns. Specifications for the remediation work were also developed.

BASF, Iselin, NJ: Managed and provided consulting services to close-out an existing Classification Exception Area (CEA). Consulting services included evaluation of groundwater conditions, groundwater modeling and preparation of CEA Biennial Certifications. The CEA Biennial Certifications included revisions to the CEA duration and the contaminants of concern.

Simmons Manufacturing Company, Linden, NJ: Project Manager for a groundwater remediation project that has undergone numerous soils and groundwater investigations and remedial activities since 1985



Recent activities included an initial receptor evaluation, CEA Biennial Certifications and groundwater monitoring. Anticipated activities include bedrock groundwater investigation activities.

Preliminary Assessment and Phase I Environmental Assessments - Project Manager: Managed costs and prepared Phase I EA in accordance ASTM E 1527-05 and PA in accordance with with NJDEP Technical Requirements (N.J.A.C. 7:26E) which entailed compilation, review and interpretation of regulatory database files, aerial photographs, Sanborn maps, historic USGS maps and municipal and state office information, field investigation, and preparation final report.

- USACOE, Apollo Glass Phase I EA (2007)
- NYCDEP, Port Richmond WPCP Phase I EA (2006)
- Confidential Client, H.R. Weaver Co. Phase I EA (2006)
- Rite Aid, Several Phase I EA, New Jersey and New York (1997-1999)
- Omnipoint Communications, Phase I EA, Pennsylvania (1997)
- New York City School Construction Authority, NY (2001-2005)
- City of Newark, Duralac PA, Newark, NJ (2003)

United States Postal Service - Summit Main Post Office, Summit, NJ: Project Manager for the design and implementation of a groundwater monitoring program for a former underground storage tank. An annual Remedial Action Progress Report was prepared and included findings, recommendations, and conclusions and was submitted to the NJDEP. The Site received No Further Action (NFA) from the NJDEP with a CEA in place and Natural Attenuation.

New Jersey School Development Authority, - Paul Robeson Community School PA/SI and UST Closure: Project Manager for the preliminary assessment, site investigation and underground storage tank removal and closure in accordance with NJDEP regulations. A PA/SI and UST Closure Report was prepared and included findings, recommendations, and conclusions requesting NFA.

Specialized Training

40-hour HAZWOPER Site Worker

8-hour HAZWOPER Site Supervisor

U.S. Department of Transportation HM-126F Training for Field Operations

Confined Space CFR 1910.146 (g)

Red Cross Adult First Aid and CPR Certification



Marion E. Craig, LSRP

Licensed Site Remediation Professional

Areas of Expertise

Project Management
Hazardous Waste Site
Investigations
Remedial Alternative Analysis
Feasibility Studies
Baseline Assessments

Education

MA/Geology/Queens College,
CUNY
BA/Geology/Queens College,
CUNY

Professional Registration

New Jersey Licensed Site
Remediation Professional No.
591601

Ms. Craig has over 28 years experience in the investigation and remediation of hazardous waste site. Ms. Craig has managed numerous remedial investigation and remediation projects in New Jersey and New York. She has prepared Plans and Remedial Investigation reports for CERCLA sites and QA plans for RCRA and CERCLA sites. She has also prepared numerous ISRA submittals including preliminary assessments, site investigation reports, remedial action plans and remedial action reports. In 2009, Ms. Craig was approved to be a New Jersey Temporary License Site Remediation Professional (LSRP), and in 2012 was approved for permanent licensure.

Project Specific Experience

LSRP, Oversight for a Preliminary Assessment (PA) for a Former Chemical Facility, Totowa, NJ: This project included the preparation of a PA Report, Case Inventory Document (CID), and a Response Action Outcome (RAO). The site has a long industrial history and was most recently used for adhesives production. Areas of Concern include above ground storage tanks, trench drains, sumps and pits. An RAO for the site was issued and approved by NJDEP.

LSRP, Manufacturing Facility, Moorestown, NJ: This site has three active groundwater remediation systems and two off-site groundwater plumes. By opting-in to the LSRP program, the client has accelerated the pace of site activities. As LSRP, Ms. Craig has approved the shut-down of one of the remediation systems, and is currently reviewing data to determine if a second remediation system can also be shut down. As LSRP, Ms. Craig has issued two RAOs for eleven areas where no further action is required. By issuing these RAOs, the Annual Remediation Fee for the site has been substantially reduced. This site is currently undergoing vapor intrusion investigations on off-site residential properties. As LSRP, Ms. Craig is required to review and approve the vapor investigation, and to transmit results to NJDEP, local agencies, and residents.

LSRP, Oversight for a Preliminary Assessment (PA) for a Manufacturing Facility, Dover, NJ: This project included the preparation of a PA Report, Case Inventory Document (CID), and a Remediation In Progress Waiver request. The site is known to be impacted by an adjacent site currently undergoing remediation. NJDEP approved the Remediation In Progress Waiver.



LSRP/Project Manager, Railroad Transfer and Former Maintenance Facility, Elizabethport, NJ: This project includes the preparation of a comprehensive PA Report for sub-divided properties, site investigations, and remediation of impacted soil.

LSRP, Oversight for a Preliminary Assessment (PA) for Aeronautics Research and Development Facility, Clifton, NJ: This project included the preparation of a PA Report, Case Inventory Document (CID), and a Remediation In Progress Waiver request which was approved. The site has an active groundwater remediation system.

LSRP, Oversight for a Remedial Action for a former Manufactured Gas Plant, Dover, NJ: This project is in the final stages of development of a Remedial Action Workplan. Implementation of the Workplan is expected to begin in 2014 and will include groundwater containment and treatment system, and engineering controls for impacted soil.

LSRP, Oversight for a Remedial Investigation for a Major Liquids Storage Facility, Carteret, NJ: This project includes the investigation of impacted soils, groundwater and free product.

LSRP, Oversight for a Remedial Investigation for a Lubricant Manufacturing Facility, East Hanover, NJ: This project includes the investigation of a chlorinated volatile groundwater plume, and soils impacted by PCBs. Site is a RCRA GPRA 2020 site with more than 40 AOCs. NJDEP is the lead agency and will maintain oversight.

LSRP, Oversight for a Remedial Investigation for a Pharmaceutical Manufacturing Facility, Rahway, NJ: This project includes the investigation of a chlorinated volatile groundwater plume in bedrock, and radiation in soil. Off-site migration of the plume is controlled by an active groundwater treatment system. The site is a RCRA GPRA 2020. NJDEP is the lead agency and will maintain oversight.



Richard Grubb & Associates, Inc. Cultural Resource Consultants

DBE/WBE/SBE Certified

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Damon Tvaryanas, Historic/Archaeology (36 CFR 61)

Years of Experience

With this firm:

2011-Present

With other firms: 20

Education

M.S. 1993

University of
Pennsylvania
Historic Preservation

B.A. 1991

New York University
Fine Arts

Professional Training

40-Hour Health and
Safety Training for
Hazardous Waste
Operations and
Emergency Response
(OSHA 29 CFR
1910.120), October
2002; 8-Hour
HAZWOPER
Refresher, August 2011

Professional Experience Summary:

Damon Tvaryanas' technical and managerial responsibilities include the direction of cultural resource investigations, including historical architectural surveys, preservation plans, historic structure reports, National Register of Historic Places nominations, Historic American Building Survey (HABS)/Historic American Engineering Record (HAER) documentation, the development of historic interpretive displays and publications, and the preparation of reports. Mr. Tvaryanas provides technical oversight to project staff to ensure that all cultural resources investigations are technically complete and comply with Section 106 of the National Historic Preservation Act, NEPA, Section 4(f), and other cultural resource regulations. He exceeds the qualifications set forth in the Secretary of Interior's Standards for an Historian [36 CFR 61].

Representative Project Experience:

DeMott Lane Bridge, Delaware & Raritan Canal State Park, Franklin Township, Somerset County, NJ (Sponsor: State of New Jersey, Division of Property Management and Construction) Provided oversight to the senior architectural historian during the Application for Project Authorization (APA) performed in connection with the replacement of the DeMott Lane Bridge over the Delaware and Raritan Canal in Franklin Township. Since the proposed undertaking was located within the New Jersey and National Register-listed Delaware and Raritan Canal Historic District, the APA was required and completed in compliance with the New Jersey Register of Historic Places Act.

Hudson-Bergen Light Rail, Route 440 Extension, City of Jersey City, Hudson County, NJ (Sponsor: NJ Transit) Provided oversight to the senior architectural historian for a Historic Architectural Resources Background Study (HARBS) and a Phase IA Archaeological Survey and Effects Assessment Report performed in connection with NJ Transit's extension of the existing Hudson-Bergen Light Rail Line. The HARBS found 34 previously surveyed and newly identified resources more than 50 years of age within the APE-Architecture. Only one of these resources met the criteria for listing in the National Register of Historic Places as an above-ground historic property: the previously identified Former Candy Factory. The study concluded that the project would have no adverse effect to this historic property on condition that project plans in the vicinity of the Former Candy Factory followed the Secretary of the Interior's *Standards for the Treatment of Historic Properties*, including context sensitive treatments in conjunction with the proposed abutment, staircases, and ramps, and that the HPO be afforded an opportunity to review and comment on the final design plans as they may affect the property.

Cross Harbor Freight Program, Greenville Yard Transfer Bridge Rehabilitation and Repair, City of Jersey City, Hudson County, NJ (Sponsor: Port Authority of New York and New Jersey) Provided oversight to the senior historian for the proposed emergency repairs to the National Register-eligible marine transfer bridges and car float system a project sponsored by the Port Authority of New York and New Jersey. The project was found to have no adverse effect to historic properties on condition that the work was guided by the Secretary of the Interior's *Standards for the Treatment of Historic Properties*, including in-kind replacement of materials. Work tasks included background research, Section 106 consultation, assessment of project effects, HAER recordation, and participation in the production of a documentary video addressing the history of the historic railroad/port facility.

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Paul J. McEachen, Historic/Archaeology (36 CFR 61)

Years of Experience

With this firm:

1998-Present

With other firms: 3

Education

MA 1996

Memorial University
Anthropology

BA 1993

University of Windsor
Anthropology and
Classics

Professional Training

CRM Essentials:

Restoring Your Skills,
Trenton, NJ,
October 2005

Section 106 Workshop,
Albany, NY,
November 2008

Professional Registration

Register of Professional
Archaeologists

Professional Societies

Archaeological Society
of New Jersey

Society for American
Archaeology

Eastern States
Archaeological
Federation

Middle Atlantic
Archaeological
Conference

Professional Experience Summary:

Paul J. McEachen provides technical oversight on most archaeological projects undertaken in New Jersey. Mr. McEachen has served as a Principal Investigator on all phases of archaeological investigations and specializes in prehistoric archaeology. Mr. McEachen has prepared and directed cultural resources surveys in accordance with Section 106 of the National Historic Preservation Act, NEPA, and other cultural resource regulations. He exceeds the qualifications set forth in the Secretary of Interior's Standards for Archaeologists [36 CFR 61].

Representative Project Experience:

DeMott Lane Bridge, Delaware & Raritan Canal State Park, Franklin Township, Somerset County, NJ (Sponsor: State of New Jersey, Division of Property Management and Construction) Provided oversight to the principal investigator/senior archaeologist for the Phase IA/IB Archaeological Survey conducted within the Area of Potential Effects (APE) for the replacement of the DeMott Lane Bridge over the Delaware and Raritan Canal in Franklin Township. No significant prehistoric or historic archaeological resources were identified during the archaeological surveys. Since the proposed bridge was located within the New Jersey and National Register-listed Delaware and Raritan Canal Historic District, RGA also prepared an Application for Project Authorization in accordance with the New Jersey Register of Historic Places Act.

Elmer Lake Dam Rehabilitation, Borough of Elmer, Salem County, NJ (Sponsor: State of New Jersey, Division of Property Management and Construction) Provided oversight to the principal investigator/senior archaeologist during the archaeological monitoring for the proposed Elmer Lake Dam Rehabilitation project in the Borough of Elmer. Consultation with the NJ Historic Preservation Office (HPO) indicated that the right downstream embankment of the dam rehabilitation project had the potential to impact brick wall remains within the APE likely associated with a former early nineteenth-century gristmill. Excavation in and around the site was ultimately minimal and no intact subsurface artifact deposits were observed during the monitoring.

Utility Upgrade, Monmouth Battlefield State Park, Manalapan Township, Monmouth County, NJ (Sponsor: State of New Jersey, Division of Property Management and Construction) Provided oversight to the principal investigator/senior archaeologist during the a Phase IA Archaeological Survey for a proposed utility upgrade project located within the New Jersey and National Register-listed Monmouth Battlefield State Park and Historic District. As a result of the survey and after consultation with the HPO and representatives of the Monmouth Battlefield State Park, archaeological monitoring was recommended within selected areas of the APE where proposed utility trenching excavations had the potential to impact significant archaeological resources.

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Chestertown, Maryland 21620
410-420-7422



Michael J. Collins

Site Assessments

Areas of Expertise

Asbestos and Lead-Based Paint Inspections
Environmental, Health and Safety Compliance Audits
Environmental Field Assessments

Education

BS/2013/Biology
The College of New Jersey

Registration/Certification

- EPA/AHERA/ NYS Accredited Asbestos Inspector (pending)
- New Jersey Lead Inspector / Risk Assessor (Pending)

Mr. Collins is an Environmental Scientist in the Compliance group based in Clifton, New Jersey. He is engaged in environmental, health & safety compliance projects. Mr. Collins is actively involved in the investigation and inspection of residential and non-residential properties for asbestos and lead and other hazardous materials following the damage caused by Hurricane Sandy along Jersey Shore.

Professional Experience

New Jersey Department of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs, NJ: Field Inspector for Tier II EFA for the New Jersey Rehabilitation, Reconstruction, Elevation and Mitigation (RREM) project. Responsible for investigating each parcel for environmental hazards (e.g., tank releases, chemical impacts, etc.) as well as the surrounding area for potential environmental concerns.

New York Rising Community Reconstruction Program Public Information Meetings, NY: Helped organize and run NYC community outreach meetings in Sheepshead Bay and Gerritsen Beach for community input on how to rebuild and revitalize those neighborhoods after Super Storm Sandy.

Supreme Oil Co. Inc. Environmental and Health and Safety Compliance, NJ: Field Scientist responsible for assisting client in maintaining compliance with applicable environmental and health and safety regulations and permits. Conducts field analysis of wastewater samples for pH. Conducts NJPDES permit-required sample collection and submission of water samples to a NJ- accredited laboratory for analysis, and other support work for client.

The College of New Jersey, Ewing, New Jersey:

- Conducted a year-long research project in crayfish and macroinvertebrate ecology.
- Conducted an experiment to see if male crayfish are more likely to respond to female pheromones or food stimuli.
- Conducted field work collecting aquatic macro invertebrates from a stream near the college
- Identified, sorted and counted the invertebrates each week to document the seasonal changes in the aquatic invertebrate community.



- Used biotic indices to gauge the water quality such as the Hilsenhoff water quality index.
- **Picatinny Arsenal, Rockaway, New Jersey**
 - Summer and winter internship in material science.
 - Use of scanning electron microscope for materials and fracture analysis.
 - Used 3D digital light microscope for materials and fracture analysis.
 - Analyzed the resistivity, adhesion, and microscopic structure of flexible printed electronics.
 - Used contact angle meter to test hydrophobicity of material surfaces.



Brian J. Rodriguez

Site Assessments

Areas of Expertise

Asbestos Inspections.
Lead-Based Paint Inspections
Water and Soil Sampling.
Environmental Assessments

Education

BS/Earth and Environmental
Science, Lehigh University

Registration/Certification

- EPA/AHERA/ NYS Accredited Asbestos Inspector (Pending)
- New Jersey Lead Inspector / Risk Assessor (Pending)

Overview

Mr. Rodriguez is an Environmental Scientist in the Compliance Group at the Clifton, New Jersey of URS. He is engaged in environmental, health & safety compliance projects. Mr. Rodriguez's experience includes environmental sampling, site investigation, industrial hygiene, health & safety assessments as well as soil and groundwater investigations. Since joining URS, Mr. Rodriguez has investigated and inspected residential and non-residential properties for asbestos and lead following the damage caused by Hurricane Sandy along the Jersey Shore.

Mr. Rodriguez' experience includes elemental analysis of soils and sediments. Mr. Rodriguez is experienced in on site investigations, making suggestions for the construction phase of the project. He also has experience analyzing chemical spill data and determining the extent of the threat to the surrounding communities

Professional Experience

Supreme Oil Co. Inc. Environmental and Health and Safety Compliance, NJ: Field Scientist responsible for assisting client in maintaining compliance with applicable environmental and health and safety regulations and permits. Field analysis of wastewater samples for pH, sample collection and submission to accredited laboratory for analysis, and other support work for client.

iMTT Environmental Health and Safety Audit, NJ: Audit team member responsible for the walking and working surfaces portion of the audit. Aided other team members in their work when needed.

New Jersey Department of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs, NJ: Field Inspector for Tier II EFA for the New Jersey RREM project. Responsible for investigating each parcel as well as the surrounding area for potential environmental concerns.

Lehigh University, Bethlehem, PA

- Measured acidity of soil and CO₂ emissions from the forest surrounding Lehigh's campus. Characterized the forest and amount of light penetrating to the floor.
- Measured the pH of Saucon Creek. Used surveying equipment to characterize the slope and width of the river. Prepared an environmental report related to findings.
- Sampled groundwater via a well on top of South Mountain, Pennsylvania. Prepared a report containing information on the



chemical characteristics of the groundwater table as well as its depth.

- Characterized pollution of a 25 square mile plot following a spill from a negligent factory. Used data to plot out the pollution plume and generate a plan for remediation.
 - Measured soil particles from Saucon Creek in order to test for heavy metals. Used this information to determine the source of sedimentation to the river.
 - Chemical analysis of soil samples from the Indian Ocean. Compared changes in chemical profile over time. Used dissolutions, a mass spectrometer, and a gas sampling system. Presented findings to the department at the end of the year.
 - Created geological maps of Maryland, measuring the strike and dip of all surfaces and producing a history of stress and strain for the various orogenic events that formed this country.
 - Extensive experience with chemical techniques in the laboratory performing acid base reactions, titrations, generation of crystals, creating buffer solutions, etc.
 - Sampled soil from Lake Lacawac. Analyzed it for changes in pollen due to human activity. Theorized ways to return the vegetation to its pristine state before anthropogenic forces changed its composition.
- **EarthScope, Bethlehem, PA**
 - Performed on site investigations in order to determine suitability for installation of scientific equipment. Offered construction suggestions based on the site including which model to install, equipment needed to perform the installation, which trucks will be needed for transport, and exact location of installation.



Education:

B.A./Earth and Space
Sciences/SUNY at Stony
Brook/2000
(Concentrations in
Geochemistry, Surficial
Processes and Hydrogeology)

Registration/Certification:

OSHA 40 Hour HAZWOPER
Erosion and Sediment Control
SSPC C-3 / C-5
Confined Space Entry Training
MTA NYCT Track Safety
Training
4 Hour NYS DOB Scaffold
Training
NYS DOL Asbestos Inspector

Joined LiRo on 7/20/09

Professional Profile

Mr. Orlic has over 11 years experience in the environmental field, with extensive soil and groundwater project experience. Mr. Orlic is responsible for the management, planning and execution of remediation projects associated with sub-surface contamination and hazardous materials code compliance. Mr. Orlic is also experienced in all areas of soil and groundwater including: soil and groundwater delineation, remediation, investigation (Phase I through Phase III), permitting, sampling, and management.

Experience:

New York Rising Housing Recovery

Serving as the prime consultant under contract with DASNY on this CDBG-DR funded Sandy Housing Recovery Program, LiRo is assisting the New York State Division of Homes and Community Renewal (HCR) in implementing this accelerated housing recovery program. Executing a rapid mobilization plan, LiRo coordinated the efforts of more than a dozen consultants and over 500 inspectors to complete 4,984 inspections in 30 days - in time for HCR to issue award letters to registered homeowners by the first Sandy anniversary.

The LiRo team provided program procedures, set up data and management information systems, and a call center, as part of the scope to achieve the program's goals.

Mr. Orlic is part of the inspection and report preparation teams.

Marlboro Psychiatric Center

As part of an environmental survey team, Mr. Orlic's role was to assist in the inspection for asbestos containing materials and identification of hazardous materials at the abandoned psychiatric facility. He conducted visual assessments at over 100 buildings to determine quantities of asbestos that would require remediation prior to demolition, and inventory hazardous waste material that would need to be collected and either disposed of or recycled in accordance with local, state and federal requirements. Mr. Orlic managed the project database to verify that no duplicate effort was being made with regards to areas or materials tested, as well as to ensure that no areas were omitted from the assessment. He managed the daily inspection program during the data collection phase of the work and assisted in identifying the code compliance measures that were applicable to the remediation and demolition phase of the work.

DASNY Kingsborough Community College. Environmental Specialist: Mr. Orlic provided consultation for DASNY during removal of fuel oil tanks, as well as, a liaison between DASNY and NYS Department of Environmental Conservation in regards to soil stockpiling and sampling protocols. His services included sampling of excavated material and endpoint sampling (SVOC, VOC, metals, pH, TPH, etc), lab analysis interpretation and implementation of action plans.

NYCEDC Hudson Yards Development Projects: Mr. Orlic served as Environmental Specialist providing consultation and environmental services for NYCEDC and HDNY. His services included sampling of excavated material and endpoint sampling (SVOC, VOC, metals, pH, TPH, etc), lab analysis interpretation and implementation of action plans, review and approval of remedial designs, permit approvals and submittals. Mr. Orlic also provided field oversight included installation of groundwater monitoring wells, underground storage tank removal, sampling of groundwater monitoring wells and monitoring of air and dust emissions, and as a liaison services between the client, construction managers and contractors.

MTA New York City Transit (NYCT): Mr. Orlic served as the Project Manager providing direct assistance to the Resident Engineer for implementation and enforcement of SSPC, NYSDOT, EPA, OSHA, NYS, and relevant Local laws and guidelines for the removal, treatment, disposal and handling of lead based paint during removal of lead based paint from a large number of stations, bridges, and utility rooms. He conducted QA/QC inspections of remedial containments and waste storage areas, lead waste management and waste tracking, as well as providing management support and technical guidance during all field operations. Additional responsibilities outside of lead based duties included report writing, corrections and QA/QC of Asbestos Closure Reports for NYCT.

ExxonMobil/Global Companies, LLC. Petroleum Distribution Terminals, Project Manager: Mr. Orlic was responsible for environmental management, remediation, permitting for environmental compliance of multiple petroleum distribution terminals. He prepared remedial action work plans for field operations, enforcement of regulatory stipulations and management of hazardous wastes, MSDS review of all chemicals and substances on site, analysis of laboratory data for air, water and soil (VOC, SVOC, metals, TPH, pH, etc). Mr. Orlic also supervised the remedial systems operations (installation of groundwater pump and treat, soil air sparge/soil vapor extraction systems), terminal restoration, monitoring well and recovery well installation, excavation and investigations. Additional responsibilities included preparation and enforcement of site specific Health and Safety Plans, data analysis and modeling, SPDES permitting, groundwater/soil/emissions analysis and remedial/environmental budget management.

ExxonMobil: Mr. Orlic was the field manager for the subsurface remediation of impacted soil and groundwater at multiple petroleum stations and outlying regions. Daily responsibilities included QA/QC of samples and lab data, geochemical data analysis, health and safety, MSDS review and approval, sample management, quarterly updates to regulatory agency and clientele. He provided supervision of field operations includes underground storage tank removal, subsurface investigations (including Phase I through Phase III), source delineation and plume profiling, remediation techniques (ground water pump and treat, AS/SVE, bio remediation), and onsite analysis of environmental conditions using spectrophotometers, microbial and chemical markers, in addition to other field techniques .

WORK EXPERIENCE

2009 - Present	Environmental Specialist, USA Environmental Management, Inc.
2004 – 2008	Environmental Technician, The Whitman Companies, Inc.
1995 – 2004	Environmental Technician, Powell-Harpstead, Inc.
1984 – 1994	Inventory/System Analyst, IBM Corporation

EDUCATION

A.S. Mercer County Community College, New Jersey

EXPERIENCE

Over 15 years experience in Environmental Management, including:

- Environmental Site Assessments (Asbestos, Lead)
- Laboratory Analysis (AIHA AAR / PAT)
- Project Monitoring And Supervision
- Indoor Air Quality/Microbial Investigations
- OSHA Compliance Monitoring
- Environmental Auditing
- AHERA Management
- Compiling Project Reports

ASBESTOS / LEAD MANAGEMENT

Ms. Pearse has experience in performing Asbestos and Lead inspections, air monitoring, site assessments and compliance audits. She has conducted AHERA building inspections, prepared and completed Asbestos Management plans for residential, public and commercial properties. She also provides on-site supervision of asbestos abatement projects, on-site analysis and finalizes each project with completion reports. Ms. Pearse has a strong background in demolition: initial investigation, on-site construction monitoring, the ability to read specific job site plans and specifications.

AIHA-AAR / PAT LABORATORY MANAGEMENT

Ms. Pearse has a strong background with the American Industrial Hygienists Association (AIHA) accreditation program. She is a listed certified analyst with American Industrial Hygienists Association (AIHA). She has created, implemented and monitored three (3) individual environmental firms through-out the initial application phase to the three year re-certification application phase. As the AIHA Lab coordinator, she ensured that all AAR and PAT analysis and all related laboratory documentation are reported in a timely manner.

INDOOR AIR QUALITY / MICROBIAL MANAGEMENT

Ms. Pearse has some background in air quality and microbial management. She has coordinated and monitored the construction administration for several large remediation projects within the

state of New Jersey. She has a quick grasp of the required responsibilities, conducts microbial testing and compiles all final reports required.

AHERA MANAGEMENT COORDINATOR

Ms. Pearse has an active presence in all Asbestos Hazard Emergency Response Act compliance projects. She has experience with the contractual, financial and specifications that are required to complete the process. She has coordinated and provided all inspections, both six month and the three year reassessment surveillance and management plans for eight (8) different school districts.

REGISTRATION AND CERTIFICATION

- New Jersey Asbestos Safety Technician, No. 01020
- New Jersey Department of Health Lead Inspector/Risk Assessor, No. R00407
- EPA AHERA Asbestos Building Inspector
- EPA AHERA Asbestos Management Planner
- EPA AHERA Asbestos Project Designer
- Asbestos Air Sampling Technician Trained
- NIOSH 582 Trained
- Asbestos Analyst Registry, No. 7681
- City of Philadelphia Asbestos Project Inspector, No. 971-0001
- City of Philadelphia Asbestos Inspector, No. 0322
- City of Philadelphia Asbestos Laboratory, No. 0255
- Pennsylvania Asbestos Inspector, No. 033354
- Pennsylvania Lead Inspector / Risk Assessor, No. 003095
- USEPA Hazwoper Certified
- Confined Space Trained
- Underground Storage Tank Trained
- Niton XRF Analyzer Operator Training



Technical Personnel Resources

ANTON REZIN, MSCE

ASBESTOS/LEAD PAINT

Mr. Rezin has a Masters of Science in Civil Engineering and over 20 years of technical and managerial experience in the environmental industry. Areas of expertise include investigation, estimating, project design & specification writing and remediation monitoring of asbestos and lead projects. He manages our Asbestos Program and managing the projects for our utility, health care and university clients.

PROFESSIONAL CERTIFICATIONS & LICENSES

- NYS-DOL/EPA Asbestos Management Planner, Project Designer, Inspector, Project Monitor, Supervisor, and Air Sampling Technician
- NYS-DOH Authorized Asbestos Instructor
- NIOSH 582-Asbestos Air Sample Analysis Technician
- OSHA Hazwoper
- OSHA Confined Space Entry
- OSHA 4-Hour Scaffold Training
- OSHA 10 Hour Health & Safety Training

PREVIOUS WORK EXPERIENCE:

Mr. Rezin's experience in the environmental & industrial hygiene field includes holding the following positions:

- Senior Project Manager with Omega for 14 years
- Asbestos Project Monitor & Inspector with Omega for 2 years
- Asbestos Project Monitor & Inspector with an Environmental consulting firm for 2 years
- Asbestos Air Sampling Technician with an Environmental consulting firm for 2 years

RESPONSIBILITIES:

- Designs and manages asbestos and lead abatement projects, including preparing abatement specifications, drawings and performs bid reviews
- Performs asbestos investigations
- Manages Industrial Hygiene (IH) Sampling Projects
- Manages IAQ investigation teams
- Develops IH and environmental sampling plans for hazardous waste and UST remediation sites

REPRESENTATIVE PROJECTS

Columbia University-Morningside Campus

Conducted asbestos surveys of facilities and managed the abatement oversight in hundreds of buildings. Prepared abatement specifications and drawings. Acted as the facility Asbestos Coordinator for four years. Mr. Rezin has managed this client for 14 years.

Columbia University-Manhattanville Development Project

Conducting asbestos monitoring of facilities and managing the abatement oversight in over 50 building renovation project for the next decade. Prepared abatement specifications and drawings.

Columbia University Medical Center

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Mr. Rezin has managed this client for 10 years.

New York Presbyterian Hospital

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Performed IH sampling inside Operating Rooms for Anesthesiologists. Prepared abatement specifications and drawings. Performed IH sampling inside the Operating Room Suite got Joint Commission compliance. Mr. Rezin has managed this client for 10 years.

New York Medical College

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Acted as the on-site Asbestos Project Manager and developed the Operation and Maintenance Program. Mr. Rezin has managed this client for 11 years.

Catholic Health Services of Long Island -Saint Francis Hospital

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Performed IH sampling inside the Operating Room Suite got Joint Commission compliance. Performed multiple microbial and IAQ investigations. Mr. Rezin has managed this client for 6 years.

Hospital for Special Surgery

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Developed the asbestos Operation and Maintenance Program. Mr. Rezin has managed this client for 10 years.

National Grid (formerly Keyspan)

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple power plants throughout New York. Prepared abatement specifications and drawings. Mr. Rezin has managed this client for 10 years.

College of Mount St. Vincent

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Conducted UST site investigations. Mr. Rezin managed this client for 5 years.

TransCanada

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple utility facilities. Prepared abatement specifications and drawings. Mr. Rezin has managed this client for 2 years.

Teachers College

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Performed IH monitoring in many multiple-unit residential buildings. Mr. Rezin managed this client for 5 years.

Turner Construction

Conducted asbestos surveys of facilities and managed the abatement oversight in for the Pier 82 Renovation. Prepared abatement specifications and drawings.

North Shore Long Island Jewish Health System-Real Estate Division

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Developed the asbestos Operation and Maintenance Program. Prepared abatement specifications and drawings.

Phelps Memorial Hospital

Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Conducted UST site investigations. Mr. Rezin has managed this client for 5 years.

Brian Lainson, PE, CME

Engineering – Plans & Specifications and Utility Coordination

Areas of Expertise

Civil Engineering
Utility Coordination
Permitting and Regulatory
Project Management
Site Engineering

Education

BS/Civil Engineering / New
Jersey Institute of Technology /
Newark, NJ

Registration/Certification

2013 / Professional Engineer
New Jersey 24GE084639500

Mr. Lainson has 31 years of experience in civil engineering. He has provided design services for numerous projects in New Jersey, including Rutgers University, NJSDA schools, and Kean University. He has extensive experience with utility coordination and permitting.

Project Specific Experience

Rutgers, The State University of New Jersey - Rutgers University, - New Brunswick, NJ: Project Manager for new Institute for Food, Nutrition & Health (IFN&H) building at the University's Cook Campus. Responsible for Civil Engineering and Site design along with regulatory permitting.

Athletic Field Complex Rehabilitation, Glen Rock, NJ - \$4,000,000: Project Manager for the reconstruction of the existing athletic field complex located at Glen Rock High School. The project includes regarding and reconstruction of a turf grass field and synthetic track and a turf grass field. The project involves construction of retaining walls to update the fields to standard slope and grading in addition to extensive drainage improvements. Services also include regulatory permitting and construction management.

Public School 20, Jersey City, NJ: Project Manager for the design and construction of a new primary school on Ocean Avenue in Jersey City. This SDA project will provide the area with new education facilities to meets the needs of the community. This tightly constrained urban site presented many challenges to maximize the footprint of the school building. Responsible for comprehensive site design, stormwater management design and regulatory permitting

Kean University Green Lane Building, Union, NJ - \$35,000,000: Project Manager for the design and construction of a new 100,000 square foot/5-story academic building with ground floor book store and café amenities. Services included site design and engineering, stormwater management design and utility coordination. Regulatory permitting includes NJDEP Water Extension and Treatment Works Approval.

Athletic Field Replacement, North Arlington, NJ: Project Manager for the reconstruction of the existing athletic field complex located along River Road in North Arlington. The site, located on the Passaic River is remote from the high school campus. The project proposes the construction of new synthetic track and synthetic track to replace the existing grass turf field and cinder track. The project also includes new bleachers and press box and a new building for a field house and

concession area. Regulatory permitting includes County approval and NJDEP Upland Waterfront Development Permit.

South Harbor Fire House, Bayonne, NJ: Project Manager for the design and construction of a new firehouse to serve the east side of Bayonne. The site is located on the site of the Site of the former Military Ocean Terminal now part of Bayonne Redevelopment area. Services included site design and engineering, stormwater management design and utility coordination. Services also include regulatory permitting and construction management.

The Newark Museum, Demolition of Acquired Building, Newark, NJ: Project Manager for as part of an overall team in providing services to the Museum in assisting them with demolition of an acquired building to make way in the future for a new museum structure. Pennoni coordinated the termination and removal of existing utility services and prepared demolition plans and specifications for the project.

Zeus Industrial Facility, Branchburg, NJ: Project Manager for the design and construction of a 60,000-80,000 square foot lab/production/research and development facility on 25 acres. Services included Site design and engineering, stormwater management and State, County and Municipal Permitting including wetlands and FHA.

Joseph L. Muscarelle - Expansion of Existing Distribution Facility, Wayne, NJ: Project services included Services include site design and engineering, stormwater management and State, County and Municipal Permitting including wetlands and Flood Hazard Area (FHA).

Wakefern - Proposed Wakefern Warehouse No CC, Study Only, Newark, NJ: Project Manager for preliminary engineering and due diligence study for a 525,000 square foot warehouse proposed for Newark, NJ immediately south of the Newark Liberty Airport. Services included due diligence report, including permitting analysis and 30% design for cost estimating. Due to economics the owner decided not to pursue the project beyond this stage.

Stericycle, Elizabeth, NJ: Project Manager for permitting of a Medical Waste Commercial Collection Facility located in Elizabeth NJ. The applicant, a nationwide service provider, is relocating an existing facility to this location due to the need for a larger building. Permitting included NJDEP Application for Authorization of Regulated Medical Waste Commercial Collection Facility, Application for Inclusion in the Union County Solid Waste Management Plan and City of Elizabeth Zoning Board of Adjustment.

IBM Data Center Infrastructure Upgrades - Project Manager - Sterling Forest, NY: Project Manager for civil and geotechnical engineering services for the design and construction of a new chiller plant and

generator plant to expand the services within an existing campus. Services included securing local planning board approval.

Joint Base McGuire-Dix-Lakehurst - Project Manager - NJ: Project Manager for preliminary master planning services for the consolidation of New Jersey Bases. As part of a team our services included infrastructure and transportation portions of the project.

Hurrell Field Rehabilitation - Project Manager - Glen Ridge, NJ: Project manager for rehabilitation of natural turf athletic field and replacement of cinder track with a synthetic track surface. Contracted services included design, construction documents, bidding assistance and construction administration.

United States Military Academy Preparatory School - Project Manager - West Point, NY: Part of Pennoni Team furnishing services in conjunction with preparation of a 60% Design/build request for proposal initiative for a new preparatory school and relocated fleet maintenance center at the United States Military Academy in West Point, NY. Prepared site, grading, soil erosion and utility plans and specifications for use in construction and obtaining regulatory permits.

Redevelopment Project, Riverside, NJ: Project Manager for 430 Unit residential redevelopment of former Zurbrugg Hospital and surrounding vacant properties. Responsible for comprehensive site engineering as well as State, County, and Municipal regulatory permitting and storm water management.

Cooks Pond Rehabilitation, Denville, NJ: Project Manager for rehabilitation project at existing municipal park. Services included plans, specs and bidding coordination for the procurement of a prefabricated structure to provide restrooms, changing rooms and a vending area. Services also included new site access and miscellaneous site improvements.

Civic Center Streetscape, Verona, NJ: Project Manager for design and construction of streetscape improvements and reconstruction of existing plaza at the Civic Center. Services included construction document preparation, bid services and construction administration.

Wyckoff Public School Additions, Wyckoff, NJ: Project Manager for value engineering and construction support services the four elementary schools and the middle school in the Wyckoff School District. Services include review of construction documents for value engineering bid support and project administration.



Stephanie T. Mack

Environmental Compliance

Ms. Mack has six years of experience working with various environmental projects. She has previous experience in New Jersey Department of Environmental Protection enforcement actions as well as environmental consulting work. She has specialized training in HAZMAT emergency response and underground storage tank inspections.

Areas of Expertise

NJDEP Compliance Inspections
HAZMAT Response
Environmental Investigations

Education

B.S. Environmental Science - 2007
Ramapo College of New Jersey

Project Specific Experience

PSE&G Central Division DP&C Sites, NJ:

Environmental Regulatory Specialist conducted compliance assistance inspections to PSE&G sites throughout the Central Division.

- Ensure compliance with Hazardous Waste, Municipal Construction Code, Permitting, Air and Noise Regulations
- Ensure Best Management Practices are being used and provide guidance for best management practices regarding storm water pollution prevention and environmental incident management
- Provide assistance to Soil Erosion and Sediment Control procedures and guidance
- Permitting compliance and non-compliance
- Assist client with reporting any agency reportable spills or environmental incidents
- Ensure sites are complying with local, state and federal Recycling regulations and Waste handling requirements

USPS ECRM Combined Environmental Compliance Review/Regulated Underground Storage Tank Inspection Program Environmental Compliance Technical Support, FY 2013: Team Member conducted Environmental Compliance Reviews (ECRs) at 22 facilities in New Jersey, New York, and Pennsylvania as part of ECRM's 2013 ECR program. Responsible for identifying federal, state, and local environmental regulations applicable to the facility operations and assets; coordinating with facility management and staff during the onsite ECRs; participating in the entrance briefings; reviewing onsite environmental records; collecting facility asset data while onsite; and preparing a list of preliminary Findings, BMPs, and Recommendations for review during the exit briefings. Participated in underground storage tank inspections and reviewed facility SPCC Plans and SWPP Plans, where applicable.

Bergen County Department of Health Services, Paramus, NJ: Environmental Compliance Investigator conducted compliance



inspections on behalf of the NJDEP and environmental enforcement of NJDEP regulations.

- Pesticide inspections for enforcement of the Pesticide Control Program (PCP) – including proper licensing, proper application and storage of pesticides; Integrated Pest Management in Schools
- CEHA Lead UST Inspector - Underground Storage Tank (UST) Compliance inspections for enforcement of regulations under the Site Remediation Program – including gasoline air permits, tank registration, release detection monitoring on tank systems, Stage I and Stage II components
- Solid waste inspections for enforcement of the Solid and Hazardous Waste Management Program – including container registration, waste hauling registration, A-901 Exempt licensing applications, illegal dumping
- Remediation of various county owned properties with Underground storage tanks and groundwater contamination

Bergen County Department of Health Services, Paramus, NJ:
Environmental Compliance Investigator. On-call HAZMAT first responder:

- Provided 24 hour emergency response to potentially hazardous incidents or spills
- Identified, evaluated and cleaned- up unidentified chemical spills
- Provided enforcement and assistance on hazardous and non-hazardous spills
- Provided assistance/relief during natural disasters

NJ Turnpike Service Area 4N and 10S, Mt. Laurel - Elizabeth, NJ:
Environmental Scientist planned and implemented sampling programs on a quarterly basis in compliance with NJDEP groundwater and surface water monitoring programs.

Specialized Training

2007-2012/Hazardous Waste Operations (29CFR 1910.120) Refresher, 8-hour

2011/Hazardous Materials Operations 06009

2011/Health Materials Awareness 06007, 40-hr

2011-2012/Hazmat Technical Training, 40-hour, refresher

2011/On-scene Incident Command 06015

2011/Operation, Use and Maintenance of Self-Contained Breathing Apparatus

Areas of Expertise

Phase I Assessment
Environmental & Remedial Investigation
Remedial Actions & Design
Operation, Maintenance and Monitoring (OMM)
Hazardous Materials Management (Asbestos, Lead, Creosote, Mold)
Health and Safety
Quality Control
Construction Management

Education

ME/Environmental Engineering/Stevens Institute of Technology
BS/Chemical Engineering/Dharamsinh Desai Institute of Technology, India

Registration/Certification

Licensed Professional Engineer:
New Jersey, New York, Texas
NJDEP UST Closure

Akta Patel, PE

Environmental Compliance

Ms. Patel has 10 years of experience in all phases of site and remedial investigations, remedial system design, operations, maintenance and monitoring (OMM) of treatment systems, hazardous material management, construction management, Phase 1 ESA, feasibility studies, and USTs Closure. Her major focus is mainly active treatment of contaminated soil/groundwater/soil vapor with ISCO, SSDS, pump and treat systems, fate and transport of contaminants, system performance monitoring and reporting. Her project management expertise includes preparation of proposals, specifications, health and safety plans, cost estimates, technical reports, and work plans for state and federal agencies submission. She is very well versed with SARA, RCRA, CERCLA, NJ and NY regulations. In addition, she has two years of research and laboratory experience for "Degradation of Explosives (TNT, RDX and HMX) using enzymes in non-aqueous media" including sample preparation, organic extractions, operation of High Performance Liquid Chromatography (HPLC), and Gas Chromatography (GC)/Flame Ionization Detector (FID).

Project Specific Experience

Soil and Groundwater Remediation, Essex Chemical Facility, Monmouth Junction, NJ: Responsible for ISRA compliance actions at former chemical site, including quarterly groundwater monitoring and water discharge measurements, sampling, and RAR preparation. Responsible for vapor intrusion investigation at the site and off-site property. Responsible for disposal of IDW facility including characterization sampling, waste profile and permitting.

MTA No. 7 Line Extension, Site L & K & MTA 2nd Avenue Subway, 63rd & 72nd Street Stations, New York: Responsible for overall environmental management for MTACCM subway construction projects. Responsible for compliance with emission control; health and Safety; hazardous/non-hazardous waste management and disposal; Spill prevention and control measure; pollution prevention; dust control; lead abatement management; contaminated soil handling; vibration, noise and air monitoring and mitigation; emergency response for oil spills; and indoor air quality issues. Prepared contaminated soil management plan to reuse 30,000 cy of contaminated soil as backfill and received NYSDEC approval. Responsible for chemical inventory, SARA reporting and emergency notification. Acted as a liaison between NYSDEC and MTACCM.

Lockheed Martin, Lake Success, NY: Project Engineer responsible for preparation of several work plans including soil and waste

management plan, communication plan, OMM Manual, HASP, system start-up plan and report during Sub-slab Depressurization System (SSDS) construction and OMM phase. SSDS is constructed beneath the commercial facility to mitigate vapor intrusion in the occupied building. Managed and coordinated in-situ soil sampling for waste classification and off-site disposal. Responsible for performance monitoring and sampling including vapor phase carbon sampling to estimate carbon breakthrough, indoor and soil vapor sampling program implementation, data revaluations and validation, focused feasibility study of RCRA area 9 area, quarterly reports.

Former Pfizer Manufacturing Facility, Parsippany, New Jersey: For former pharmaceutical manufacturing facility, conducted feasibility study including an ISCO bench-scale treatability study of three ISCO reagents to determine the most effective reagent for oxidizing VOC contaminants in the Site soil and groundwater. Subsequent to the successful ISCO application, and two rounds of performance monitoring sampling, reviewed analytical results to identify VOCs reductions at the site and prepared RAR recommending cost effective follow-up ISCO application.

Redevelopment Project at 552 W 24th Street, New York, NY: Responsible for conducting Phase-II Environmental Site Investigation (ESI), Remedial Investigation (RI), and formulation of Remedial Action (RA) work plan. Duties involved coordination and performance of field activities involving geophysical survey, geoprobe borings and soil sampling, preparing chain of custody and surveying for groundwater elevations. Prepared Phase II ESI report, RI report and Remedial Action work plan for submission to NYSDEC. Additional responsibilities included field oversight during UST closure, post excavation soil sampling, observation of ORC and RegenOx™ injections for soil and groundwater remediation, groundwater sampling and preparation of Remedial Action Report.

Remedial Design and Construction Oversight, Manufactured Gas Plant Site, FirstEnergy/JCP&L, Dover NJ: Responsible for pre-design investigation activities including soil and groundwater investigations, delineation of extent of soil and groundwater contamination for deed notices and CEA development, DNAPL delineation and recovery design for the former MGP site. Prepared pre-design investigation report. Prepared Remedial Action Work Plan recommending containment wall with groundwater treatment vaults with GAC for VOCs and SVOCs impacted groundwater, DNAPL recovery wells and stabilization with ISGS reagent and MNA monitoring. Prepared Field sampling plan and QAPP and cost estimates.



Eugene T. McColligan, PWS

Permit Coordination & Approvals

Mr. McColligan has 37 years of progressively responsible positions in the public and private sector, including the Federal Emergency Management Agency and the New Jersey Departments of Environmental Protection (NJDEP and Transportation (NJDOT).

Project Specific Experience

Wetland Creation and Enhancement, New Jersey – Mr. McColligan was the Team Leader and Principal Ecologist for the preliminary and final design of a wetland mitigation bank located on a 166.5 acre parcel in northern New Jersey. He was responsible for preparation of technical work involving wetland delineations, wetland and riparian corridor functional assessments, and vegetation and habitat evaluations. He was also responsible for the preparation of NJDEP freshwater wetland; stream encroachment and stormwater management permit applications.

Low Impact Development Project, New Jersey - Mr. McColligan was responsible for the preparation of an Environmental Assessment report, wetland and riparian buffer assessments, stormwater best management practices, ecological enhancement, and wildscaping for a low impact development project in central New Jersey. As part of the permitting process, he was responsible for the preparation of NJDEP freshwater wetland, stream encroachment and stormwater management permit applications.

Endangered and Threatened Species Habitat Assessment, New Jersey-Mr. McColligan was responsible for the preparation of an endangered and threatened species habitat assessment in southern New Jersey. The purpose of this work was to determine whether a proposed hospital site was suitable habitat for Swamp Pink. Mr. McColligan also prepared a NJDEP environmental assessment for the project. This report included a wetland functional analysis and an evaluation of possible mitigation options.

Environmental and Historic Preservation Manager/Environmental Specialist, USDHS-Federal Emergency Management Agency, Environmental and Historic Preservation Cadre, Region 2, Lincroft, NJ.

Principal, Environmental Connection, LLC, Plumsteadville, PA.

Senior Natural Resource Specialist, Matrix New World Engineering, Inc., East Hanover NJ.

Areas of Expertise

Wetlands, Ecological Assessments,
State/Federal Regulatory Expertise

Education

MA, Montclair State University,
Environmental Management

B.S, Ramapo College

Environmental Science/Human
Ecology

Registration/Certification

2010, Professional Wetland
Scientist, Society of Wetland
Scientists

1989, Certified Instructor, Federal
Manual for Identifying and
Delineating Jurisdictional
Wetlands



Senior Wetlands Specialist Dewberry Inc., Parsippany, NJ.

Adjunct Biology Professor, William Paterson University, Wayne NJ 07470.

Acting Section Chief/Supervising Environmental Specialist (Water Resources) New Jersey Department of Environmental Protection, Trenton, NJ

- Division of Watershed Management, Bureau of Environmental Analysis and Restoration
- Division of Watershed Management, Raritan Bureau, Trenton, NJ
- Land Use Regulation Program, Bureau of Inland Regulation, Trenton, NJ
- Land Use Regulation Program, Permit Support Group
- Land Use Regulation Program, Application Support Unit
- Land Use Regulation Program, Stream Encroachment Section

Principal Environmental Specialist, New Jersey Department of Environmental Protection, Trenton, NJ

- Land Use Regulation Program, Bureau of Freshwater Wetlands/Freshwater Wetlands Implementation Team
- Division of Coastal Resources, Bureau of Planning and Project Review

Senior Environmental Specialist, New Jersey Department of Environmental Protection, Trenton, NJ

- Division of Coastal Resources, Bureau of Planning and Project Review
- Office of Environmental Analysis

Senior Environmental Specialist New Jersey Department of Transportation, Trenton, NJ

- Bureau of Environmental Analysis-Ecology Section
- Bureau of Environmental Analysis-Project Management

Professional Societies/Affiliates

Member of the Society of Wetland Scientists

Member of Association of State Wetland Managers

Member of New Jersey Association for Floodplain Management

Member of Society for Ecological Restoration

Areas of Expertise

Construction/Project
Management

Inspection

Site Inspection/Oversight

Education

2009 / BS / Project
Management / Colorado
Technical University

Terrell A. Simpson

Field Inspections

Mr. Simpson has 15 years of construction management experience, which includes contract administration, quality control implementation, preliminary design drafting, project control, project planning, and project cost estimation. His experience also includes many degrees of construction management support, including bid package solicitation, providing direct supervision of contractors and field inspectors, conducting QA site inspections and providing program oversight and coordination. Mr. Simpson has worked on various types of construction projects, presently as a member of the joint URS/NJRREM Project and the joint URS/DASNY RECREATE NY Project. The goals of these two distinct projects are to assist homeowners affected by Superstorm Sandy.

Project Specific Experience

Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program: Served on the project in four distinct capacities. As a **QA/QC Officer** tasked with examining inspection packets for errors, verifying reasonableness, and completeness of measurements, damage, photos, environmental reports, and receipts. In the role of **Assessment Inspector**, Mr. Simpson visited homes and provided a detailed assessment of the property, including scale drawings of each room, a floor plan, an assessment of housing quality, a write up of damage and work required to complete repairs, as well as photographs documenting the status of the home, verification of work done by the homeowner to repair storm damage, and an analysis of any possible code or safety violations. In the role of **Architectural Field Surveyor**, the tasks included visiting the home to provide detailed structural drawings and gather a range of preliminary design preferences by the homeowner. These details were provided to the URS architectural department to create the design and elevation documents for each home. Lastly, in the **Document Control** role, Mr. Simpson assisted with scanning and coding incoming documents, including contractor bid packages, into an electronic document management system.

Dormitory Authority of the State of New York, RECREATE, New York, NY: Mr. Simpson served on the projection two distinct capacities, first as a **QA/QC Officer** tasked with examining inspection packets for errors, verifying reasonableness, and completeness of measurements, damage, photos, environmental reports, and receipts. Secondly, as an **Assessment Inspector**, Mr. Simpson visited homes and provided a detailed assessment of the property, including scale drawings of each room, a floor plan, an assessment of housing quality, a write up of

damage and work required to complete repairs, as well as photographs documenting the status of the home, verification of work done by the homeowner to repair storm damage, and an analysis of any possible code or safety violations.

Red Bull, Red Bull Park, Soccer Stadium, Harrison, NJ: - \$200,000,000: Senior Inspector for the new stadium, which accommodates 25,000 people. Directly responsible for supervising various construction operations; specifically the HVAC systems installation and testing, HVAC insulation, concrete installation, elevator installation and testing, roll-up door installation, reinforcement bar installation, electric control systems, areas of structural steel installation, fire sprinkler system, precast and aluminum stadia installation; field heating, cooling and irrigation systems, and the clearing, grading, and installation of all field components between the subgrade and grass surface. Provides secondary administrative support to one of the Project Engineers and inspection in other construction areas on a daily basis. Created detailed daily reports, which documented events literally and visually.

NYCDEP - Brookfield Avenue Landfill Remediation/Closure, Staten Island, NY: Lead geo-synthetic and Inspector for the remediation of this 130-acre landfill which the NYSDEC has designated as a Class 2 Inactive Hazardous Waste Site. Responsibilities include directing and monitoring the inspection of geo-synthetic material handling, placement, on-site storage and testing for the 40-mil LLDPE Liner, the sub-liner geo-composite gas collection layer, and the geo-composite drainage layer above the liner.

Responsible for the inspection of the off-loading, stockpiling and placement of grading material, barrier protection soil, dredged material, and two types of top soil (specialized contract specification and New York City Department of Parks & Recreation Type A).

Inspected the contractor's preparation of specialized contract specification top soil material for fertilizer addition and seeding. The specifications required the seeding of a mixture of cool and warm season grasses, with the cool season grasses providing short term erosion control, and the warm season grasses providing long term erosion control as well as ecological habitat. The warm season grass seeds require a specialized seeding apparatus to inject each seed into the top soil, which was disked to a depth of at least six inches prior to seeding. Conducted and documented the calibrating of the contractor's seeding equipment, prior to the deployment of seed. Also inspected the installation of the active LFG collection wells and inter-connecting piping, as well as the flare station compound.

NYDEP - Fountain Avenue Landfill Remediation, Brooklyn, NY: Lead geo-synthetic and Civil Inspector for the Remediation of the 300-acre Fountain Avenue Landfill. He closely monitored field activities for conformance to contract scope requirements for the project.

Responsibilities included monitoring and inspection of geo-synthetic material handling, placement, on-site storage and testing, the construction and monitoring of the Flare Station, and all phases of the installation and testing of the water supply system. Served as direct liaison to the DEP representative on-site, for the water supply system. Reviewed material testing data, material placement forms, and various other contractual items. Provided additional inspection on many other areas of the project, such as site clearing, installation of landfill gas extraction wells, site access roadways, soil stockpiling, soils placement and testing, and landscaping items. Participated in project closing procedures by completing final report sections for geosynthetics, and creating a photographic documentary of all project stages for the NYCDEP and the NYSDEC.

Philadelphia Department of Commerce, Aviation Division, Philadelphia, PA: Construction Field Inspector for a variety of major additions at the Philadelphia International Airport. Responsible for inspection of the removal and replacement of dated roofing systems from two terminals. Provided support during pre-construction and first phases of the new runway additions. Responsibilities included inspection of tunnel excavation and earth removal, wick placement for dewatering, pile driving, stone grading, re-bar testing and inspection. Served as Lead Inspector for the construction of the High-Speed Emergency Boat Launch Port. Responsibilities included the inspection and maintenance of the structural integrity of a steel dam. Performed calculations for labor requirements, earth removal and grading, concrete slump tests and removal of the dam. Responsible for Phase II operations, which included inspection of the boat housing construction, and the electrical systems installation and testing. Reviewed pending airport projects for potential design and cost issues.

Specialized Training

XACTWARE Xactimate v.28 Classroom Training - 2013

OSHA 40-Hour HAZWOPER Certification

OSHA 10-Hour Construction Safety & Health Training Course

OSHA 8-Hour Confined Space Entrant Training Course

OSHA 8-Hour HAZWOPER Refresher Training - Annually

OSHA 2-Hour Asbestos Awareness Course

Certified NJ Traffic Control Coordinator - Rutgers CIAT – January 2010

Concrete Field Technician Level 1 – American Concrete Institute – September 2009

Aaron Drumm

Estimating

Areas of Expertise

Project Management

Estimating

Demolition

Education

BA/Economics/State University
of New York at Oneonta,
Oneonta NY

Mr. Drumm has been working in the demolition industry for approximately 10 years as an Estimator and Project Manager working on various projects from seismic retrofits to total removals as well as selective interior removals in populated environments. Projects have ranged from \$ 10,000 in value to \$ 4,000,000 plus.

Project Specific Experience

San Jose Convention Center, CA: Abatement & Demolition of the 4-Story MLK Library to pave way for the San Jose Convention Center Expansion. Project involved removing the existing concrete library that had a 2 level basement and stood 70' H from grade. Library stood between two operating hotels and within 35' of the existing Convention Center. Besides the abatement and demolition of the Library we backfilled the existing site back to grade with the concrete that was removed and crushed on site to make both a bridging material to help alleviate the groundwater conditions and a 3/4 " Class II A/B in which the majority of the site was backfilled with.

San Jose Medical Center, CA: Abatement & Demolition of a 300,000 SF existing hospital in Downtown San Jose for the County of Santa Clara. Project involved the demolition of concrete and steel buildings ranging from 1 story to 6 stories and the removal of all slabs/footings/caissons. An overhead bridge connecting the hospital to a building still in use over an active street was demolished on a weekend. All concrete was crushed on site and either sold or used as on-site backfill. Also the client was given raptor reports, historical reports of the site, noise and dust monitoring reports and other information required by the EIR report we were contractually tied to.

PG&E Delevan K-1 Demolition – Demolition of a compressor building at a live PG&E station including the removal of the building housing the compressor equipment, miscellaneous compressors and equipment, duct banks and underground piping within several feet of live gas lines.

525 Golden Gate Avenue – Demolition, excavation and shoring of a 7 story concrete/steel building in the Govt. district of San Francisco. Demolition completed on a floor by floor basis due to an existing 2 story building (that was to remain) that was within 1 foot of the building removed. Excavation of soil and demolition of footings and foundation in lifts to coincide with shoring subcontractor's responsibility to install soldier beams, tiebacks, and soil nails.

Kaiser Phase II Demolition – Demolition of 350,000 SF of steel/concrete/wood/steel panel buildings as well as 1 million plus SF of site concrete at an old Lucky's processing plant. Concrete crushed on site.

Beth Sholum Sanctuary San Francisco - Demolition of 60' H Temple/school on city corner butted up against 3 story neighborhood apartments on each side. Excavation of site spoils for (N) foundation.

Coast Lumber Facility Cloverdale – Complete removal of lumber mill made inoperable by adjacent (N) modernized facility including all mills, storage facilities, concrete slabs/footings, sawmills, hoppers, conveyers and miscellaneous equipment.

Blackhawk Plaza Danville – Removal of all interior finishes and concrete slabs at existing department store, selective removal of exterior walls, columns and sidewalks for new 60,000 SF Draeger's Market

McDowell Plaza Petaluma – Major Alterations to existing and operating shopping center including removal of interior finishes/concrete slabs at numerous tenant spaces, concrete wall openings, exterior canopies complete, parking lot pavement – over a 3 year period.

Mills Peninsula Hospital – Removal of mechanical equipment including boilers, compressors, tanks, piping, rooftop equipment, cooling towers. Structural demolition including retaining walls, concrete walkways, lightposts/standards, excavation.

Safeway Freedom/Orinda/Novato Stores – Complete phased gut-outs of open stores, removal of exterior CMU walls for store expansions, concrete removal for structural upgrades.

Cedars of Marin – Seismic upgrade and renovation of numerous buildings at an existing developmental disability facility. Removal of buildings complete as well as concrete slabs, concrete beams/columns, excavation.

Experience on Projects of a Similar Size and Nature

URS has been involved with hundreds of renovation projects ranging from very aggressive demolition to minimal "controlled" demolition work. The facility demolition that has occurred in many of these projects has also included a broad range of disciplines, including structural, mechanical/electrical, interiors, and asbestos abatement. Some of the specific renovation projects have required very careful and sensitive consideration of historic preservation issues while other demolitions have been more "practical" in nature and have required modifications to simply accommodate new or updated facilities/systems.

From this experience, we have become very knowledgeable of a number of issues, including budget, construction schedule, phased demolition/renovation, temporary or "swing" space, temporary utilities, environmental asbestos issues, special building codes and construction safety issues.

Our services have included comprehensive design, environmental and construction services for large demolition projects, such as, two General Motors Plant Decommissioning and Demolition, one site located in both Clark and Cranford, NJ, which was repurposed for recreational use as the Hyatt/Hills Gold Course and the other was on an 100-acre site in Tarrytown, New York, and most recently the demolition of the Manhattan Project-era K-25 building in Tennessee, the largest facility in the U.S. Department of Energy complex; to smaller projects, such as DSNY M1 Garage, in New York, buildings for USACE in Somerset and Middlesex Counties, NJ, and OhioHealthcare Whetstone Center in Columbus, Ohio.

Also, as an added benefit to DPMC, **URS' wholly owned subsidiary, Cleveland Wrecking Company** can assist our Team in the development of demolition plans and specifications. Cleveland Wrecking is one of the nation's oldest and most respected demolition contractors specializing in the program management and dismantling of structures of all kind. They have a huge portfolio of successfully completed, landmark projects. Among their notable projects are the Metropolitan Opera House, ConEd's Sherman Creek Generating Station, the New York World's Fair site, the 37-story IBM Building in New York, Gimbel's Department Store in Philadelphia, and the Seattle Kingdome.

Our teaming partner, **LiRo** has been actively involved in large scale demolition projects since the late 1980s. Over the past ten years, LiRo has performed as the Prime Engineer and CM for numerous public and private demolition projects including large-scale asbestos abatement and demolition projects such as the \$11million Buffalo Memorial Auditorium and Donovan Building for the Erie Canal Harbor Development Corporation and the \$65 million Rochester Midtown Plaza Complex for the Empire State Development Corporation.

LiRo has also completed large demolition projects for the City of New York, JetBlue Airways, New York City Transit Authority, and the New York City Department of Sanitation. Under these programs LiRo has successfully investigated, designed, and provided monitoring and inspection services for projects with abatement costs ranging



DSNY, M1 Garage Demolition Project
URS prepared a complete bid package of demolition drawings and specifications

For the NJDCA RREM Program, URS conducted lead-based paint and asbestos survey of homes and developed bid specifications for asbestos and lead abatement for demolition and rehabilitation.



from \$200K to \$12 million. Over the past ten years, LiRo has provided engineering and construction management services for abatement/demolition work valued at over \$200 million. For DPMC's Marlboro Psychiatric Center Environmental Decontamination and Demolition Project in Marlboro, New Jersey, LiRo performed a building by building survey to identify and inventory hazardous materials.



LiRo's JetBlue Airways Terminal 6
JFK Kennedy International Airport

Within this section, we have include five relevant projects. These projects demonstrate the services to be provided for this contract.

The matrix below demonstrates our representative experience relevant to the Demolition Consultant Contract. Shaded projects are included in this section.

The URS Team's Representative Local Demolition Project Experience					
	Site Investigations	Asbestos/Lead Paint	Design and Bid Specifications	Coordination (Federal, State, Local)	Construction Administration/Oversight
New York City Department of Sanitation M1 Garage, NY	■	■	■	■	
Bristol Myers Squibb - Syracuse Site Transformation, NY		■		■	■
Green Brook Demolition and Floodproofing, NJ	■	■	■	■	
NYCDOT, Harper Street Facility Upgrade, NY			■	■	■
Marlboro Psychiatric Center Env. Decontamination & Demolition, NJ	■	■			
JetBlue Airways, JFK International Airport, NY	■	■	■	■	
Former Spaulding Fibre Plant, NY	■	■	■	■	■
New York City Department of Sanitation, Manhattan 4, 4A, and 7, NY	■	■	■		■
General Hyatt Clark Facility, NJ	■	■	■	■	■

State and Federal Government Experience

URS has extensive experience, a strong performance history, and a large presence in the State of New Jersey.

- Since 2011, URS has held an Indefinite Delivery Indefinite Quantity (IDIQ) contract for floodplain mapping services with the New Jersey Department of Environmental Protection. Local professionals and subcontractors used in this contract provide knowledge of local conditions, reduce travel costs and provide opportunities for DCA to meet intent of the Stafford Act Reform Measures relating to the use of local resources post-disaster and thereby keeping recovery funds within the state.

URS' Clifton New Jersey office has supported several major Superstorm restoration initiatives:

- **For the New Jersey Department of Consumer Affairs, URS is managing New Jersey's HUD-funded RREM Program.** As Lead RREM Contractor, URS is preparing program policies and procedures and managing the homebuilder prequalification process. URS is also worked closely with the State to develop various building options that will be offered to homeowners, and will ultimately serve as construction manager for the work. Our proposed Principal-in-Charge, Jim Gilsenan is leading the architectural efforts, which included developing a number of prototype models from which homeowners can choose and obtaining plan approval from NJDCA Division of Codes and Standards for 66 prototypes. Also, as part of the RREM Program, URS conducted lead based paint and asbestos survey of homes, including sampling and analysis of thousands of asbestos and lead paint, soil and dust wipe samples for asbestos survey and lead paint survey/risk assessment in compliance with HUD and EPA, state and local regulations. LiRo serves as a major sub-consultant to URS on the RREM Program.
- **For NJDEP,** the Clifton office is providing environmental support services for the Program Contractor and Environmental Assessment Field Contractor's for Environmental and Historic Preservation Review for New Jersey's CDBG-DR Grant Program. For this program, we complete task orders, which include from 20 to over 100 individual applications subject to environmental assessments and located throughout the State of New Jersey.

As a top-tier contractor to the U.S. federal government, URS serves a wide variety of agencies. The New Jersey office has provided design, engineering and construction administration services to the United States Army Corp of Engineers, Veterans Affairs Administration, and United States Postal Service, just to name a few.

URS is extremely familiar with the procedural, technical and graphical specifications as defined by FEMA. This experience has been gained through working with four FEMA regions, including Region II, by supporting FEMA under multiple successive IDIQ contracts for over 18 years, and serving as FEMA's "go-to" provider of expert technical services nationwide. URS provides on-site and office based support to FEMA at all phases of the disaster lifecycle, from hazard mitigation planning, immediate response and recovery assistance support, to long-term post-disaster compliance support. Over the years URS has provided support to FEMA in over 185 disaster declarations through over 750 individual task orders. Also, since 1995, through multiple contracts worth over \$200 million, URS has been providing Flood Insurance Studies (FIS) and Digital Flood Insurance Rate Map (DFIRM) development and production services to FEMA nationwide as part of the Map Modernization Program and now Risk MAP.

Key Team Member Data Sheets

The Team's resumes in the Organization Chart/Staffing Plan Section and Key Team Member Project Experience Data Sheets within this Section demonstrate the proposed project staff have the personal experience to meet the demands of this assignment. ***Please note that some of our proposed staff's Key Team Data Sheet refer to URS supervisors as references. This staff did not work directly for the client and only the URS supervisors listed can attest to the quality of their services.***

Green Brook Flood Risk Management Project - Demolition and Floodproofing

Somerset and Middlesex Counties, New Jersey

Client:

USACE - New York District

Services:

Planning and Design

Completion Date:

2013

URS has assisted the New York District of the Army Corps of Engineers in the planning, design and on-going construction of this large scale flood control initiative located within the Green Brook Sub-basin of the Raritan River Basin in New Jersey. URS' involvement in this project has included the full range of tasks associated with the development of a flood control project. These tasks included hydrologic and hydraulic modeling, risk assessments, the design of flood control works and local drainage, the development of contract plans and specifications and bid documents for several facets of the project, cost estimating, development of digital map products, and participation in an extensive and on-going public participation program.

Most germane to this project is that URS prepared the plans and specifications and estimated the demolition and site restoration costs for three buildings, a small commercial building (Apollo Glass, formerly a gas station, 451 Talmage Ave, Bound Brook NJ) and two residences (113 Green Brook Road, Middlesex NJ and 548 Wheatland Ave. Bound Brook).

In both situations, the project started with an environmental team performing an onsite survey for asbestos-containing materials (ACM), and lead based paint. The Phase I Environmental Assessment (ESA) was performed in general conformance with the scope and limitations of the following: 1) American Society for Testing and Materials (ASTM) Standard Practice E1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process; 2) the United States Environmental Protection Agency (EPA) standards for All Appropriate Inquiries (AAI); and 3) the Army Corps of Engineer's scope of work included an asbestos survey and a lead based paint survey for the Site.

The asbestos survey consisted of:

- Conducting a visual inspection of the functional areas in both structures to identify locations of suspect asbestos-containing materials (ACM)
- Collecting bulk samples of suspect ACM during the site inspection;
- Submitting the ACM bulk samples to EMSL Analytical, Inc., a NVLAP and AIHA accredited laboratory, for analysis by Polarized Light Microscopy (PLM) and/or Transmission Electron Microscopy (TEM) as necessary to determine asbestos content;
- Preparing summary tables identifying location and quantities of ACM.

Lead based paint was surveyed through the use of a subcontractor. An RMD/LPA-1 XRF Instrument was used to perform testing at the site for lead paint. Over 100 readings were obtained. All readings were below the action level of 1mg/cm² indicating no lead paint or lead hazards were found to be present on any of the surfaces tested.

DSNY M1 Garage Demolition

New York, New York

Client:

New York City Department of Sanitation

Services:

Design

Cost:

\$393,773

Completion Date:

2013

**Proposed Project/Work Order Manager,
Tony Staniscia provided services on this
project.**

On behalf of the Department of Sanitation, City of New York, URS prepared a complete bid package of demolition drawings and specifications for the removal of the two-story, 13,000 SF M-1 Sanitation garage located on Spring Street in Manhattan. The two-story masonry structure consisted of concrete slab on grade, steel beams with composite metal floor slab at the mezzanine and a wood roof structure supported on steel girders. The roof deck was supported on perimeter masonry bearing walls and interior steel girders were supported on interior steel columns.

The demolition was complicated due to its location, adjacent to the historically recognized Holland tunnel ventilation tower, and due to the age of the garage (1920.) URS investigated and documented the locations of the ventilation and roadway tubes servicing the Holland tunnel. We coordinated and obtained approval from the Port Authority of New York and New Jersey for performing demolition activities in close proximity to the ventilation and roadway tubes and verified that demolition activities would not adversely affect their operations.

Due to the age of the existing garage, the DSNY had no existing condition documents available for our use. URS prepared as-built documents base on our field investigation. To document the existing facilities foundation, URS performed an archival search of the Department of Building records, obtained microfiche and had them translated into drawing files. Demolition drawings identified locations of DSNY equipment and building system electrical and mechanical devices, HVAC ductwork and rooftop equipment.

Demolition drawings and specifications also addressed environmental issues including an abatement specification for asbestos containing roof materials as well as removal of existing diesel fuel storage tanks, sand traps and contaminated soil.

URS completed the design in 2010, however, due to budget constraints the DSNY determined not to bid the project until 2013. DSNY asked the NYCDDC to manage the construction phase, and URS as engineers of record, supported the DDC in re-opening the application and providing additional documentation to the DOB in compliance with 2013 requirements.



Bristol Myers Squibb - Syracuse Site Transformation Project

Syracuse, New York

Client:

The Pike Company and
Bristol Myers Squibb

Services:

Construction Management/Architecture
Administration

Cost:

\$3.9 million

Completion Date:

2013

URS teamed with The Pike Company, General Contractors and Construction Managers, to support Bristol Myers Squibb (BMS) with the Syracuse Site Transformation Project. The project entailed the renovation and reuse of certain buildings along with decontamination, materials recovery and the demolition of other buildings and structures.

URS provided construction management and demolition support services as a strategic sub-consultant to The Pike Company. Our Construction Management services included Environmental Health and Safety (EHS) along with design services during construction, cost estimating and schedule management support. Our EHS services included oversight of asbestos abatement activities and construction management services focused on reconfiguring the site utilities.

The first phase of the Transformation included the demolition of 40 above grade structures, a tank farm, a cooling tower and an exterior pipe rack system. The services included the removal of all equipment and internal piping associated with the structures. Structures ranged in size from small warehouse facilities to multiple story, former research and production facilities with floor space in excess of 100,000 square feet

The first phase of the Transformation Project was performed in a series of steps to allow the continuation of research and production in refocused facilities. The work includes the construction of new infrastructure along with the redevelopment of existing structures.

URS also brought its in-house demolition contractor, Cleveland Wrecking Group into the project as a specialty demolition subcontractor.



Harper Street Yard Facility Upgrade Project

Queens, New York

Client:

nArchitects, PLLC

Services:

Environmental Engineering and Design
Services

Cost:

\$6 million

Completion:

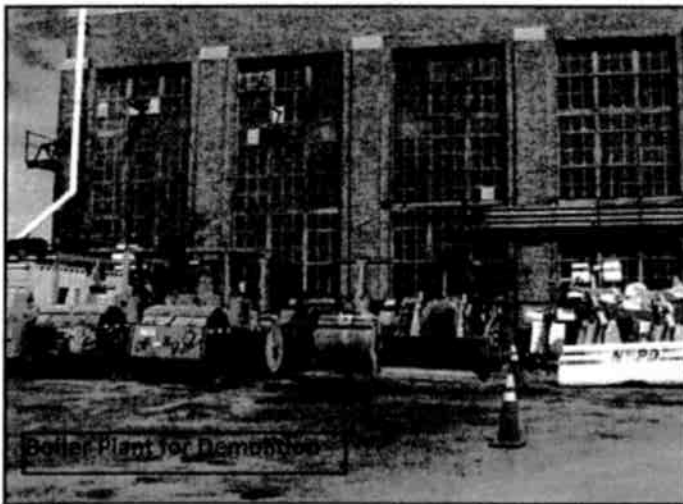
2011 - Design

2015 - Construction

URS was retained by nArchitects as a sub-consultant to provide environmental engineering and design services to the NYSDDC for the Harper Street Yard Facility Upgrade Project. **URS provided engineering design and construction administration services associated with the demolition of the boiler plant, the demolition of the diesel fueling station, and the construction of the new diesel fueling system.**

The overall scope of work for the Harper Street Facility Upgrade project included the following:

- Demolition of the boiler plant, including removal and proper disposal of four 70,000-gallon concrete above ground storage tanks used for asphalt storage; asbestos-containing material and other hazardous materials prior to demolition; fuel oil storage tank (if present); adjacent pump house and structural pipe bridge.
- Demolition of the diesel fueling station, including removal and proper disposal of five 1,000-gallon diesel fuel underground storage tanks; fuel dispensers, pump island, and associated piping.
- Construction of a new diesel fueling station at a new location that conforms to operations of the New York City Department of Transportation (DOT).
- Construction of an upgraded facility electrical service.
- Construction of a new roof and skylights in the maintenance building.
- Leveling of the maintenance and repair shop floor.



To achieve the project objectives, URS developed the technical specifications and contract drawings for the demolition of the boiler plant, the demolition of the diesel fueling station, and the construction of the new diesel fueling system. nArchitects requested URS assistance in acquiring approval from the New York City Fire Department for the new tank design and dispensing system and well as obtaining the building permit from the New York City Building Department. URS attended the pre-bid meeting and provided an overview of the work we were responsible for. We also provided input to the construction cost estimate and preparation of contract addenda.

The contract was awarded and the project is now in the construction phase. URS was responsible for reviewing over 50 submittals for tank equipment and construction procedures. The work is anticipated to be completed in the summer of 2015.

Marlboro Psychiatric Center Environmental Decontamination and Demolition

Marlboro, New Jersey

Client:

New Jersey Division of Property Management and Construction

Cost:

\$60 million

Completion:

2015

The Marlboro Psychiatric Center is an enclosed, 200 acre complex with over 100 buildings and an extensive utility and infrastructure network that enabled the self-sustaining functions of the facility. The site had been abandoned for nearly two decades resulting in substantial disrepair and vandalism. The New Jersey Department of Treasury provided funding for a full investigation and assessment aimed at determining the cost for the environmental decontamination and demolition of the entire development.

LiRo performed a building by building survey to identify and inventory hazardous materials. Multiple teams of inspectors were assigned simultaneously to perform a building by building survey to identify and inventory hazardous materials. Coordination of the multiple teams involved the geographical sectioning of the entire campus into manageable areas, as well as the grouping of buildings with similar function and design. A one mile long, segmented steam tunnel that connected the power generation plant to each building on the site required confined space training and the use of personal protective equipment. **The investigation targeted asbestos containing materials and lead based coatings throughout the site, as well as universal and regulated wastes such as refrigerants, PCB, mercury, and acid batteries.** Probes were conducted to identify concealed materials within wall cavities, on foundation walls, and applied to structural steel. Coatings were tested with X-ray Fluorescence to determine lead content as part of the pre-demolition scoping effort. Over 2,000 representative material bulk samples were collected as part of the assessment effort, which was completed within the four week timetable established by the client.



LiRo's cost estimating team was on site to inspect site conditions, conduct visual inspections with the project architects to both evaluate the defining structural characteristic of the various buildings, and inventory subgrade utility structures such as manholes and storm drains, and make considerations for recyclable materials that could impact the demolition cost. The estimating effort also included establishing an accurate cost for the remediation of the identified hazardous materials. LiRo's technical team and cost estimators worked closely to review all the field data and, in consideration of prevailing local laws, worked to establish alternative costs for a range of options including the complete demolition of the site, the partial demolition of all structures except foundations and utilities, and the selected demolition of structures based upon disrepair and site position. Estimates were prepared using Primavera software that allowed for carefully considered contingencies, annual labor and material cost escalations, and waste disposal savings from on-site recycling of structural concrete.

The comprehensive investigation report and the demolition cost estimates were provided to the client within 90 days of our Notice to Proceed with this work.

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Philipp Sieber

TITLE Program Manager

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	NAME OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJDEP CDBG-DR Program (\$1,400,000)	URS	NJDEP Tier 2 Environmental Assessments	Project Management/ Field Staff Coordination	5	10	9/2013-Present	Steve Swick URS 225-922-5750
PSE&G Resource Recovery and Environmental Compliance \$10,000,000	URS	Program Management/ Construction Administration	Project Manager	29+	30	7/2011-Present	Tom Costantino PSE&G 908-623-7867
Dubai Aerospace \$114,000	URS	Environmental Due- Diligence	Project Manager	3	40	10/2007-12/2007	Clinton Kent Dubai Aerospace 480-577-9070
Remedial Action Project Texaco Oriente Region \$30,000,000	URS	Project Management/ Remediation and Restoration/ Construction Administration	In-Country Project Manager	30	80	1/96-8/98	Ricardo Reis-Veiga Chevron 786-552-6090
Hess Marcellus Shale Well Sites (\$ Amount N/A)	URS	Design and Construction Management	Construction Manager	5	100	8/2010-12/2010	Mike Rykaczewski URS 215-367-2580

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME James Gilsenan, AIA, NCARB

TITLE Principal-in-Charge

FIRM URS

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Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program 1.8 billion dollar	URS	Design and Construction Documents	Design Principal and Architect of Record	6 months to date	50%	6/2013 - Present	Sibte Kazmi - 609.633.7448
Hendershot Campground Feasibility Study Swartswood State Park - \$10,080 fee	Malick & Scherer, PC	Feasibility Study	Principal Architect	5 months	5%	1/2012 - 5/2012	Arif Malick - 908.534.4995
New Cadet Barracks, U.S. Military Academy, West Point, NY	STV/URS JV	Schematic, Design Development, Construction Documents, Construction Administration	Deputy PM of JV	6 months	5%	3/2012-9/2012	USACOE, Jeff Friese PM, 845-938-8314
Underground Steam Pipe Rehab, US Military Academy, West Point, NY	URS	Study, Schematic, Construction Documents, and Construction Support	Design Principal	23 months	15%	10%	USMA Peter McGaughran, Director of Maintenance, 845- 938-2818
M-1 Garage Demolition, Department of Sanitation, New York, NY	URS	Schematic and Construction Documents	Principal-in- Charge	11 months	15%	9/2008 - 8/2009	DSNY Bruce Harmon, Director of Design 212- 437-4550

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NAME James Gilsenan, AIA, NCARB

TITLE Principal-in-Charge

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Chiller Replacement, Veteran Administration Medical Center, New York, NY	URS	Schematic, Construction Documents	Principal-in- Charge	8 months	10%	6/2009-2/2010	Bruce Vitelli, Veterans Administration - 212.686.7500

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Charles Seaman

TITLE Project/Work Order Manager

FIRM URS

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Brookfield Landfill Closure	CDM Smith	Construction Administration	Project Manager	36	50%	2009- current	Rafael Betemit 718- 595-6266
Fountain Ave Landfill Closure	URS Corp	Construction Administration	Project Manager	90	50%	1998-2009	Nayan Shah 718-271- 8045
Hendrix Canal Dredging Project	Obrien & Gere	Construction Administration	Project Manager	24	20%	2010-2012	Nayan Shah 718-271- 8046
Paerdegat Basin Dredging Project	AECOM	Construction Administration	Project Manager	12	20%	2013-current	Ed Novotny 718-209- 3428
Ave V Pump Station	Hazen & Saywer	Construction Administration	Principal Engineer	18	10%	2012	Warren Gordon 718- 595-3000

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Anthony Staniscia AIA

TITLE Project/Work Order Manager

FIRM URS

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Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program - \$19 million	URS	Code analysis, Standards and Specifications, Coordination and Quality control, DCA approvals	Subject Matter Expert	6 months	90%	June 2013 to December 2013	DCA of New Jersey, Sibte Kazmi 609-633-7448
New Cadet Barracks, West Point NY, \$193 million dollars	STV / URS JV	Geotechnical investigation, analysis and rock face demolition design, Furniture Fixtures and Equipment, Interiors	Project Manager for all URS portions of work	9 months	50%	January 2012 to October 2012	USACOE, Jeff Friese PM, 845-938-8314
Renovations to Eisenhower Hall, United States Military Academy, West Point, NY - \$24 million	URS	Masonry and Roofing rehabilitation, Mechanical, Life safety, Electrical system up grades, Ceilings, Ticket Office Renovation, Vestibule addition	Project Manager	29 months (three phases)	50%	January 2009 to May 2011	USMA, Randy McMurtrie, PM 845-938-5440
Rehabilitation and Renovations to USMA Museum, West Point, NY- \$6 million	URS	Masonry and Roofing rehabilitation, Mechanical upgrades to support the storage of historic archives	Project Manager	10 months	50%	February 2011 to November 2011	USMA, Randy McMurtrie, PM 845-938-5440
Steam Pipe Rehabilitation, USMA, USACOE, West Point, NY - \$11 million	URS	Demolition and reconstruction drawings, specifications	Project Manager	10 months	40%	December 2009 to September 2010	USMA Peter McGaughran, Director of Maintenance, 845-938-2818
Demolition of Existing District One Garage, West and Spring Streets, New York, NY - \$393,773.00	URS	Building demolition design drawings and specifications included UST removals, contaminated soils removal and asbestos abatement	Project Manager	11 months	30%	2009 - 2010	DDC - Abazi Okoro - 718-391-1136
Indefinite Quantity Contract, United States Military Academy	URS	Assignments included: Renovations to Washington Hall, studies at the cadet chapel, Hollendar center and Washington Hall, E85 and Hydrogen fueling station,	Project Manager	60 months	40%	January 2005 to December 2009	USACOE, Jeff Friese PM, 845-938-8314

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Kevin Condon

TITLE Project/Work Order Manager

FIRM URS

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EPEC Polymer's Former Nuodex Corp. Site; Keasbey, NJ; \$50M	Brown and Caldwell and PS&S	Oversight and construction management of design-build project	Resident Engineer	31	75%	06/2011 to Present	Kinder Morgan Brian Kellmann 719-520-4615
Alley Creek CSO Facility and Drainage Area Improvements; Douglaston, NY; \$100M	URS Corporation	Design management and administration during construction	Project Engineer	21	50%	03/2007 to 11/2008	NYCDEP John Romano 718-595-6103
Alley Creek Old Douglaston Pump Station Rehab. Douglaston, NY; \$40M	URS Corporation	Design management and administration during construction	Project Engineer	30	75%	12/2008 to 05/2011	NYCDEP John Romano 718-595-6103
Pennsylvania Ave. and Fountain Ave. Landfills; Brooklyn, NY; \$211M	URS Corporation	Design management and administration during construction	Project Engineer	26	75%	02/2005 to 06/2007	NYCDEP Rafael Betemit 718-595-6266
Alley Park Environmental Restoration; Douglaston, NY; \$15M	URS Corporation	Design management and administration during construction	Project Engineer	24	25%	10/2008 to 10/2010	NYCDEP Song Smullen 646-584-3444

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Christopher Zanoni

TITLE Project Manager/Work Order Manager

FIRM LiRo Engineers, Inc.

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New York Rising Housing Recovery	Various	Environmental Consulting/ Construction Management	Project Manager	3	20%	9/13-Present	NYS Office of Storm Recovery Seth Diamond 212-480-6718
Marlboro Psychiatric Center, Marlboro, NJ	Hatch Mott McDonald	Environmental Consulting	Project Manager	18	20%	4/12-10/13	NJ Div. of Property Mgmt. & Construction Mr. Raymond Arcario 609-943-3365
DASNY Statewide Environmental Consulting Services	Various	Environmental Consulting	Project Manager	106	20%	2/05-Present	Dormitory Authority State of New York Mr. Michael Stabulas 212-273-5000
Decommissioning of the Kensico and Vernon Hydroelectric Facilities, NY	Various	Environmental Consulting	Project Manager	12	20%	2/12-2/13	New York Power Authority Vin Malvarosa 914-610-8639
NYC Department of Environmental Protection Legacy Program	Various	Environmental Consulting	Project Manager	34	20%	3/09-1/12	NYC Dept. of Env. Protection Ms. Angela De Lillo, PE 914-773-4495
NY Power Authority Statewide Asbestos & Lead Planning Services	Various	Environmental Consulting	Project Manager	48	20%	1/09-Present	New York Power Authority Joseph Crimi, CEM 716-852-0594
High Line Park Reconstruction Rehabilitation, Manhattan, NY	Various	Environmental Consulting	Project Manager	96	20%	1/00-1/08	NYC Economic Development Corp. Len Greco 212-312-3743

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Bharti Ujjani, CIH

TITLE Site Investigations and Planning Manager

FIRM URS

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Reconstruction, Rehabilitation, Elevation and Mitigation (RREM). \$ 22,000,000	URS	Study, Construction Administration	Environmental Lead	8	20%	May 2013 to Present	Steve Grady (609) 633-1328
PSEG Burlington Generating Station Burlington Township, New Jersey 08016. \$ 96,671	URS	Study, Construction Administration	Project Manager	5	30%	December 2012 to April 2013	Ria Canagon (973)-430-7488
New Jersey School Development Authority (NJSDA), Trenton, New Jersey. \$ 5,000,000	URS	Study, Construction Administration	Program Manager	32	50%	May 2008 to 2011	Gary Skowronski (609) 341-5979
New York City School Construction Authority(SCA), Long Island City, New York. \$ 3,000,000	Whitman Companies	Study, Construction Administration	Program Manager	24	40%	2005 to 2008	Lee Guterman (718) 472-8502
New York City School Construction Authority(SCA), Long Island City, New York. \$ 3,000,000	Warren & Panzer Engineers, Inc.	Study, Construction Administration	Project Manager	12	50%	2003 to 2004	Lee Guterman (718) 472-8502

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NAME Bharti Ujjani, CIH

TITLE Site Investigations and Planning Manager

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Stu Klatzman, PE, PP

TITLE Design/Permitting and Bid Packages

FIRM URS

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NYCDEP PEDS - \$25 million fee	URS	Study/Design	Project Director	108	15%	1/2005 - Present	Maria Dayrit - 718.595.6207
NYCDEP Hunts Point WPCP - \$33 million fee	URS	Construction Administration	Project Director	42	10%	6/2010 - Present	John Romano - 718.595-6103
NYCDEP WWT Inspection - \$30 million fee	URS	Construction Administration	Project Director	120	20%	2/2002-2/2012	Wing Szeto - 718.595.6204
NYCDEP EE Design EE1/EE5- \$15 million fee	URS/CDM JV	Study/Design	Task Manager	107	10%	2/2005 - Present	Matthew Osit - 718.595.6077
NYCDEP Flushing Bay CSO - \$22 million fee	URS	Study/Design/CM	Project Engineer	253	20%	5/1989 - 6/2010	John Romano - 718.595-6103

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Mark Miller

TITLE Construction Administration and Oversight

FIRM URS

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Colt Gun Mill Debris Removal, Paterson NJ, \$1,000,000.00	The Louis Berger Group	Construction Management	Construction Manager	6 Months	100%	Sept 2002 thru Feb 2003	City of Paterson, NJ - Reference no longer available
NJ Turnpike Soil Remediation Project, Clara Barton Service Area 1S, Oldmans Township NJ, \$1,000,000.00	Hatch-McDonald	Construction Management	Resident Engineer	11 Months	100%	Oct 2001 thru August 2002	New Jersey Turnpike Authority - Reference retired
Fountain Avenue Landfill Closure Project, Brooklyn NY, \$158,000,000.00	URS Corp.	Construction Management	Resident Engineer	68 Months	100%	Oct 2002 thru June 2008	New York City Department of Environmental Protection - Mr. Nayan Shah P.E., 718-595- 6129
Operating Industries Inc Landfill Project, Monterey Park, CA, \$60,000,000.00	Foster Wheeler Environmental	Construction Management	Quality Control Manager	8 Months	100%	April 1997 thru December 1997	New Cure Inc. - Mr. Lester LaFountain, 323-720-9775
Red Bull Arena, Harrison NJ, \$200,000,000.00	Rossetti Architects	Construction Management	Resident Engineer	18 Months	100%	July 2008 thru Jan 2010	New York Red Bulls - Mr. John Amorosa, P.E. 877-727-6223

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Bridgeport Rental & Oil Services Superfund Hazardous Waste Cleanup Project, Logan Township, NJ, \$178,000,000.00	US Army Corp of Engineers	Construction Management	Quality Control Manager	57 Months	100%	June 1992 thru March 1997	US Army Corp of Engineers - Mark Wheeler, 215-656- 6500
Raymark Superfund Project, Stratford, CT, \$78,000,000.00	Foster Wheeler Environmental	Construction Management	Quality Control Manager	17 Months	100%	Jan 1998 thru June 1999	US Army Corp of Engineers - Reference no longer available
North Div RAC Naval Station Earle, Landfill Caps for Sites 4 & 5, Colts Neck, NJ, \$6,000,000.00	US Navy	Construction Management	Construction Manager	9 Months	100%	April 1997 thru Dec 1997	US Navy, NAVFAC - Ms. Christi Davis, 610- 595-0726
North Div RAC I & II, Program Management, Langhorne, PA, \$250,000,000.00	US Navy	Program Management	Program Quality Control Manager	26 Months	100%	July 1999 thru Sept 2001	US Navy, NAVFAC - Ms. Christi Davis, 610- 595-0726

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME CHRISTINE WAGNER

TITLE Site Assessments Task Leader

FIRM URS

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PSE&G Contract No. SCM-2012-DEL- 1001670, Preliminary Engineering 69kV Conversion Upgrade Project Fee for Phase I ESAs Only: \$27K	URS Corporation	Phase I Environmental Site Assessments (ESAs) at Five (5) Substation properties in New Jersey (Carlstadt, Madison, Marshall, Great Notch and Totowa)	Task Manager for Phase I ESAs at five (5) substation properties	5 months	20%	November 2012 through March 2013	Sal Bordanaro, PMP Sr. Project Manager - 69 kV Projects 908-412-2284 (office) sal.bordanaro@pseg.co m
Preliminary Assessment and Site Investigation, ITT Avionics Division, 77 River Road, Clifton, NJ 07014. Fee: \$17K	URS Corporation	Conducted NJDEP Preliminary Assessment and Site Investigation, prepared report of findings and coordinate all activities with Licensed Site Remediation Professional (LSRP).	Project Manager	9 months	20%	October 2011 through July 2012.	Michael Paneggianti, Manager EHS, 973-284- 4852, Michael.Paneggianti@e xelisinc.com
Goodyear Tire & Rubber Company, Three (3) Retail Facilities in NJ. Fee: \$94.8K [North Brunswick: \$32.5K; Montgomery: \$28K; and Wrightstown: \$34.3K]	URS Corporation	Managed Phase I ESA, Site Investigations, Remedial Investigation, and Remedial Action. Coordinate all activities with Licensed Site Remediation Professional (LSRP).	Project Manager	28 months	20%	August 2011 through December 2013	Karen Burlingame Project Manager Brownfield Restoration Group for The Goodyear Tire & Rubber Company Phone 330-668-4600 x 111 karen.burlingame@good year.com

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TITLE Site Assessments Task Leader

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NJ Transit Environmental Task Order Contract 06-064 Fee: \$1.2 MM	URS Corporation	The scope of services included Underground Storage Tank (UST) management, hazardous materials management and disposal, site investigation and remediation, design and operation of remedial treatment systems, environmental compliance assessments, and environmental permitting. Liaison with client Project Managers and URS staff to meet project objectives, schedules and budget.	Project Coordinator for overall contract and Project Manager for select task orders.	36 months	25%	2006 through 2009	Gerald E. Obert, PG Manager of Site Remediation NJ Transit Environmental Services Phone: 973-491-7249 Gobert@njtransit.com

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NAME CHRISTINE WAGNER

TITLE Site Assessments Task Leader

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
UST Closures and Installation at Kip's Castle Property, Essex County, New Jersey Fee: \$28K	URS Corporation	Site activities included removal of regulated and unregulated USTs and installation of one 1,000-gallon fuel oil UST. UST decommissioning completed in accordance with the NJDEP requirements (NJAC 14:B); preparation of UST Closure Report; and obtaining local and state approvals for tank system installation.	Project Manager.	5 months	25%	November 2007 through March 2008	Rasheed Yusuf, PE, Principal Engineer, Essex County Department of Public Works, 973-226-8500, ryusuf@essexcountynj.o rg

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Steven Rozek

TITLE Asbestos/Lead Paint Task Leader

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJ RREM		Inspection	Environmental Scientist	6	50-60%	6/19/13 - present	NJ DCA
JFK Water Meter Replacement Project		Inspection	Environmental Scientist	1.25	50	4/26/13-6/5/13	NYC DEP Akimu Garuba 718-595-4262
PSEG Burlington		Inspection	Environmental Scientist	1	75	3/2/13-3/21/13	PSEG Fossil Ria Canagon (973) 430-7488
New Jersey Dept. of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs		Inspection	Environmental Scientist	1	40	9/3/13-9/13/13	NJ DEP
IMTT Environmental Health and Safety Audits		Audit	Environmental Scientist	1	50	10/14/13- 10/29/13 11/12/13- 11/14/13	IMTT International

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Eric Bodnar, P.E.

TITLE Plans & Specifications Task Leader - Bid Support and Precon Assistance

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
United Water Service Facility - Hackensack, New Jersey	URS	Design of new underground stormwater management system as a portion of building rehabilitation.	Project Engineer, Lead Designer	2 months	30-40%	2011	Mohammed Selimgir, United Water, Oradell, NJ (201) 634- 4206
I-95 Expansion - Somerset Street Interceptor Chamber & Outfall Sewer Reloctaion - Philadelphia, Pa. \$7.6 Million	URS	Design of new combined sewer and interceptor chamber	Project Engineer, Lead Designer	24	25%	2010-2012	Nikunj Karumsi, Philadelphia Water Department (215) 685-6309
Maxwell Place, Hoboken, NJ \$200,000	URS	Design of Conceptual & Final Site Plans, Parking, Drainage, Uitilities for Residential Highrise Development	Project Engineer, Lead Designer	24	25%	2006-2008	Thomas Mulvey, Toll Brothers City Living, (201) 217-6626
Wood-Ridge Recreation Facility, Wood-Ridge, NJ \$1.2 Million	URS	Design of New Town Recreation Facility, including natural turf softball/little league field and playground.	Project Engineer, Lead Designer	12	25%	2004	Paul A. Sarlo, Mayor, Borough of Wood- Ridge, NJ (201) 939- 0202
NYCDEP - Margaretville Sewer Extension, Margetville & Middletown Twp., NY \$4.8 Million	URS	Design of approximately 10,000 lf of new sanitary sewer and related appurtenances.	Project Engineer, Lead Designer	36	15%	2010-2013	Robert Bye, Accountable Manager, NYCDEP (607) 588- 6631

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NAME Eric Bodnar, P.E.

TITLE Plans & Specifications Task Leader - Bid Support and Precon Assistance

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PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Dan Stettner

TITLE Environmental Compliance Task Leader

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
PSE&G Resource Recovery, Northern NJ, \$600,000	URS	Administration	Project Coordinator	26	80	11/1/2011 - Present	Thomas Costantino (856) 423-8607
DuPont Pompton Lakes Works, Pompton Lakes, NJ, \$2,800,000	URS/Parsons	Study Construction Administration	Principal Geologist/ Project Manager	48	100	4/2007 - 4/2011	David Epps (704) 853-9922
Honeywell, Hudson Chromate Sites, Bayonne & Jersey City, NJ - \$300,000	Mactec	Study Construction Administration	Principal Geologist/ Project Manager	18	100	11/2005 - 4/2007	Maria Kaouris (973) 455-3302
PF&S, Whippany, NJ - \$250,000	URS	Study Construction Administration	Project Manager	36	50	10/2002 - 10/2005	Ken Fritze (973) 852-0417
Rhodia, New Brunswick, NJ - \$750,000	URS	Study Construction Administration	Deputy Project Manager	106	50	1/1997 - 10/2005	David Turtle (732) 247-6595

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Robert Ferrante

TITLE Permit Coordination and Approvals Task Leader

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Compliance Assistance Program for PSE&G - DP&C Projects (Fee \$1,000,000)	URS Corporation	Environmental and land use compliance audits to improve awareness and performance of permit conditions and best management practices for PSE&G capital improvement projects.	Compliance Specialist	21 Months	40%	April 2012 - Present	Public Service Electric & Gas (PSE&G) Utility Operations Services (UOS) David Roche (908) 412-7657
Driscoll Bridge Pier Hardening (Fee \$230,000)	URS Corporation	Environmental due diligence, wetlands delineation and submittal of NJDEP Waterfront Development permit for pier hardening work.	Senior Environmental Permitting Specialist	9 Months	20%	April 2013 - Present	New Jersey Turnpike Authority - Sheri Malloy, PE 732 750 5300 x 8265
Alternate Gas Supply to PSEG Bethlehem Energy Center (Fee \$4,500)	URS Corporation	Environmental due diligence and submittal of Grading, Erosion and Sediment Control permit application.	Senior Environmental Permitting Specialist	2 Months	20%	Oct 2013 - Nov 2013	PSEG Power LLC Jennifer Nicholas (973) 430-2016

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TITLE Permit Coordination and Approvals Task Leader

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Regulatory Permitting for PSE&G - DP&C projects (Fee \$73,000)	URS Corporation	Provided assistance with environmental and land use due diligence. Prepared and submitted various municipal, state and agency permit applications required for system / facility upgrades and expansion.	Senior Environmental Permitting Specialist	3 Months	20%	March 2012 - May 2012	Public Service Electric & Gas (PSE&G) Delivery Products & Construction (DP&C) David Roth (908) 412- 7263
Route 29 Bridge over Wickecheoke Creek - Deck Replacement (Fee \$6,000)	TY LIN Corporation	Environmental due diligence, wetlands delineation and submittal of NJDEP Flood Hazard Individual permit for bridge decking replacement project.	Environmental Team Leader	7 Months	40%	Sept 2011 - March 2012	New Jersey Department of Transportation / TY Lin International Steven Panayi (908) 850-8549

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Eric J. Cifaldi, P.E.

TITLE Bid Support & Precon Assistance and Project Close out Task Leader

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION, ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Renovate, Rehabilitate, Elevate and Mitigate (RREM) New Jersey Block Grant Disaster Recovery Program, \$1.8 billion	URS	Bid support services, meeting with Homeowners and Contractors, quality control of various program aspects	Procurement Manager	2 months	80%	November 2013 to Present	DCA of New Jersey, Sibte Kazmi (609) 633-7448
Paerdegat Basin City Wide Dredging, Brooklyn NY, \$1.9 million	AECOM	Construction Management of NYSDEC CSO Consent Order dredging project for NYCDEP	Resident Engineer	9 months	100%	February 2013 to November 2013	NYCDEP, Roy Tysvaer, P.E. Portfolio Manager (718) 595-6208
Hendrix Street Canal Interim Dredging, Brooklyn NY, \$1.7 million	Lowell Kachalsky, P.E. O'Brien & Gere	Construction Management of NYSDEC CSO Consent Order dredging project for NYCDEP	Resident Engineer	27 months	100%	February 2010 to May 2012	NYCDEP, Roy Tysvaer, P.E. Portfolio Manager (718) 595-6208
Worldwide Technical Inspection & Concrete QA Service Contract, New York NY, \$12.5 million	Various	Management of NYCDEP's Concrete Program, review of mix designs, testing requirements and tracking of NCRs	Concrete Technologist	10 months	100%	January 2009 to September 2009	NYCDEP, Fayek W. Habib, P.E. Executive Construction Manager (718) 595-6235
Interim Concrete Inspection Services, New York NY, \$3.0 million	Various	Management of NYCDEP's Interim Concrete Inspection Program, review of mix designs, testing requirements and tracking of NCRs	Concrete Technologist	5 months	100%	July 2008 to January 2009	NYCDEP, Fayek W. Habib, P.E. Executive Construction Manager (718) 595-6235

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Malik Rasool

TITLE Field Inspections Task Leader

FIRM URS

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New Jersey Dept. of Environmental Protection, Environmental Reviews for HUD CDBG-funded Hurricane Sandy Disaster Recovery Programs	URS	Site Assessments	Environmental Assessors	4	20	September 2013- Present	Steve Swick URS 225-922-5750
DASNY- Sandy Storm repair work	URS	Site Assessments/Bid sheets preparation	QA/QC review and GIS desktop review (environmental)	1	10	September 2013- Present (as needed basis)	Ronald Gecsed, Project Manager - 518-257-3317
Ave V Pump Station and Force Main Upgrades (NYCDEP) \$167	Hazen and Sawyer	Provide Construction Management/Resident Engineer Services	Office Engineer/Change Order Specialist	72	40	December 2007- Present	NYCDEP, Warren Gordon, 718-266-0567
Construction of Storm Sewer & Outfall, Queens, NY \$10million	N/A	Provide Construction Management/Resident Engineer Services	Chief Inspector/Assistant Office Engineer	18	100	June 2006- December 2007	NYCDDC, Herman Rizzo (Retired)
Reconstruction of Rosedale Area Streets, Queens, NY, \$8.5 millions	Dewberry- Goodkind Inc.	Provide Construction Management/Resident Engineer Services	Chief Inspector	13	100	May 2005-June 2006	NYCDDC, Herman Rizzo (Retired)

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NAME Jason Barrows

TITLE Site Assessments

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	ARE OR RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT ON THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJ DCA RREM, New Jersey Shore	URS	Construction	Lead/Asbestos Inspector	3 months	80%	8/5/13 - 10/15/13	* Joe Bob Cravens, URS, (201) 753 0567
NJDEP EAF Tier II RREM, New Jersey Shore	URS	Construction	Environmental Assessments	3 months	80%	10/15/13 - 1/1/14	* Steven Swick, Baton Rouge Operations Manager, URS Corporation, New Jersey, (225) 922-5750
PSEG FOSSIL 2013 Tier II Inventory, New Jersey	URS	Construction	Hazardous Chemical Inventory	1 month	30%	11/1/13 - 12/23/13	Steven Leon, Sr. Environmental Engineer, PSEG FOSSIL LLC, (201) 314-7683
SUPREME OIL/ Admiration Foods, New Jersey	URS	Study	Water testing & Compliance	3 month	15%	8/15/13 - 11/14/13	Joseph Macchio, Director of Safety and Security, Admiration Foods, (201) 408-0767
FLINT Group Dayton New Jersey	URS	Schematic	Environmental Consulting Services	1 month	5%	10/7/2013	Donald J. Witt, Operations Manager II Flint Group, Dayton, New Jersey 08810 USA Ph +1.732.329.4627 / don.witt@flintgrp.com

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* PROJECT CLIENT'S WERE CITIZENS HOUSING DAMAGE FROM SUPERSTORM SANDY

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Richard Cerrato

TITLE Asbestos/Lead Inspector/Designer

FIRM LiRo Engineers, Inc.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Marlboro Psychiatric Center, Marlboro, NJ	Hatch Mott McDonald	Environmental Consulting	Inspector/ Designer	18	25%	4/12-10/13	NJ Div. of Property Mgmt. & Construction Mr. Raymond Arcario 609-943-3365
DASNY Statewide Environmental Consulting Services	Various	Environmental Consulting	Inspector/ Designer	77	25%	7/06-Present	Dormitory Authority State of New York Mr. Michael Stabulas 212-273-5000
Terminal 6 Remediation, JFK International Airport, Jamaica, NY	Various	Environmental Consulting	Inspector/ Designer	19	25%	2/10-9/11	JetBlue Airways Mr. Jeffrey Nesbit, PE 718-709-3093
NYC School Construction Authority HazMat Consulting Services	Various	Environmental Consulting	Inspector/ Designer	77	25%	7/06-Present	NYC School Construction Authority Mr. Alex Lempert 718-472-8819
NYC Transit Authority Comprehensive Environmental Consulting	Various	Environmental Consulting	Inspector/ Designer	77	25%	7/06-Present	MTA NYC Transit Mr. Steve Rogers 646-252-3553
High Line Park Reconstruction Rehabilitation, Manhattan, NY	Various	Environmental Consulting	Project Manager	17	25%	7/06-1/08	NYC Economic Development Corp. Len Greco 212-312-3743

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Mark Jenkins

TITLE Project Manager/Asbestos Safety Technician

FIRM USA Environmental Management, Inc.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION DOCUMENTS, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBERS INVOLVEMENT ON THE REFERENCE PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOURS WORK WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME, CONTRACT PERSON & PHONE NUMBER
Marie Katzenbach – Life Safety Upgrades – Fee \$29,450.00	Gannett Fleming	Study, Design, Bid/Award, Construction Support, Closeout	Environmental Technician/AST/ PB Inspector	15	20-30	10-2006- 12/2007	Pat Papero 609-633-3745
Treasury Term Contract – NJDEP Parks – Demo Oversight Fee \$14,500/TO	USAEMI	Study, Design, Bid/Award, Construction Support, Closeout	Environmental Technician/AST/ PB Inspector	48	40-100	2010-Present	Ed Mulvan 609-984-3819
Philadelphia School District – Environmental Term Contract – HazMat Assistance Fee \$1,000 – 30,000/TO	USAEMI	Study, Design, Bid/Award, Construction Support, Closeout	PM/ Environmental Technician/AST/ PB Inspector	60	40-100	2008-Present	Jerry Junod 215-400-6738
Archdiocese of Philadelphia – Environmental Term Contract – HazMat Assistance Fee \$1,000 – 19,000/TO	USAEMI	Study, Design, Bid/Award, Construction Support, Closeout	PM/ Environmental Technician/AST/ PB Inspector	60	40-100	2008-Present	Andrew Melinchuk 610-594-2600
Verizon Services Group – Environmental Consulting – Fee \$2,500 - \$20,000/TO	USAEMI	Study, Design, Bid/Award, Construction Admin, Closeout	PM/ Environmental Technician/AST/ PB Inspector	60	30-100	2008-Present	Alex Baylor 301-802-5112

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Veronica Kero

TITLE Asbestos/Lead Paint

FIRM Omega Environmental Services, Inc.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Columbia University	N/A	Designed and implemented asbestos, lead and industrial hygiene programs.	VP of Operations	Throughout	20%	1992-present	Columbia University Rebecca Lonergan 212-854-8048
Hercules Chemical	N/A	Designed and implemented asbestos investigations and abatement for 64 industrial buildings.	VP of Operations	Throughout	100%	1998-present	Hercules Chemical Joseph Keller 302-995-3407
New York Medical College	N/A	Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Acted as the on-site Asbestos Project Manager and developed the Operation and Maintenance Program. Mr. Rezin has managed this client for 11 years.	Project Manager	Throughout	20%	2008-present	New York Medical College Sarah Cottet 914-594-4078
Sound Shore Medical Center	N/A	Conducted asbestos surveys of facilities and managed the abatement oversight in multiple buildings. Prepared abatement specifications and drawings. Acted as the on-site Asbestos Project Manager and developed the Operation and Maintenance Program.	VP of Operations	Throughout	20%	1998-present	Sound Shore Medical Center Tom Irving 914-365-3558

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Alicia Vaccaro

TITLE Plans & Specifications

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AVE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Tallman Island Wet Weather Maximization College Point, NY \$22,821,512.50	URS	Design, Procurement, Design Services During Construction	Assistant Project Manager	66	60	June 2008 - Present	NYC DEP Nurul Sadat, PE 718.595.5930
Port Richmond Disinfection Demonstration Staten Island, NY \$6,087,240	URS	Procurement, Design Services During Construction	Assistant Project Manager	28	20	September 2011 - Present	NYC DEP James Lauria, PE 718.595.6216
Pine Hill Sewer Extension Pine Hill, NY \$1,985,000	URS	Procurement, Design Services During Construction	Assistant Project Manager	12	10	December 2013 - Present	NYC DEP Ray Girgis, PE 718.595.4094
Showers Road Sewer Extension Tannersville, NY \$1,179,100	URS	Procurement, Design Services During Construction	Assistant Project Manager	12	10	December 2013 - Present	NYC DEP Ray Girgis, PE 718.595.4094
Alley Park Environmental Restoration Douglaston, NY \$12,713,675	URS	Design, Procurement, Design Services During Construction	Permitting Liason	31	10	May 2009 -March 2012	NYC DEP John Romano 718.595.6103
Alley Creek CSO Abatement Facilities Douglaston, NY \$29,929,929.29	URS	Design Services During Construction	Project Engineer	45	10	August 2008-May 2012	NYC DEP John Romano 718.595.6104

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Alicia Vaccaro

TITLE Plans & Specifications

FIRM URS

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Sherri Albrecht, PWS

TITLE Permit Coordination & Approvals

FIRM URS

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Burlington Generating Station Demolition Burlington, NJ \$140,000 (fee)	Bharthi Ujjani, CIH	Phase 1 ESA HazMat classification (lead paint & asbestos survey) Health & Safety Plan Land Use Permitting Cultural Resources Study and documentation (Section 106 compliance)	Permitting Specialist	18 months	0% to 30%	August 2012 to January 2014, ongoing	PSEG Fossil LLC Laura Morales Senior Environmental Engineer 973-430-5673
Wharf Demolition Pennsville, NJ \$390,000	Raymond Baranowski	Project Management Specifications/ Materials Management Plan Environmental & Land Use Permitting Cultural Resources Study (Section 106 Compliance) Contractor Oversight/ Consstruction (Demolition) Management	Permitting/ Regulatory Specialist	9 months	0% to 50%	May 2013 to January 2014, ongoing	Confidential Client
Sayreville Generating Station Remedial Investigation Sayreville, NJ FEE - 1.5M	Michael Akerbergs, NJ LSRP	Remedial Investigation Ecological Evaluation Environmental Permitting	Ecologist/ Permitting Specialist	8 years	0% to 30%	2004 to 2012	Burt McCullough (678)641-2503

KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Sherri Albrecht, PWS

TITLE Permit Coordination & Approvals

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Werner Generating Station Remedial Investigation Perth Amboy, NJ FEE - 1.5M	Michael Akerbergs, NJ LSRP	Remedial Investigation Ecological Evaluation Environmental Permitting	Ecologist/ Permitting Specialist	10 years	0% to 30%	2002 to 2012	Burt McCullough (678)641-2503
Substation Preliminary Design Northern NJ (5 Locations) ~\$150,000	Stuart Klatzman, PE	Construction Permitting Support Traffic Studies Noise Studies Geotechnical	Permitting Specialist	8 months	10% to 100%	October 2012 to May 2013	PSE&G Andrew Lojek (908) 412-7248
Station Rebuilds Atlantic City, Manasquan and Sandy Hook, NJ	Angela Chaisson, CWB	Regulatory Compliance (NEPA, Coastal Consistency, Endangered Species Act, etc.) Plans/Specs (Bid Package Development)	Ecologist/ Permitting Specialist	6 months +	0% to 20%	August 2013 to January 2014, ongoing	US Coast Guard Lynn Keller, EI, PMP 510-537-5532

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Issam Findakly

TITLE Bid Support & Precon Assistance and Project Close out

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
RREM, New Jersey State-FEMA	URS	Design, Geotechnical Investigation, Environmental Assessment	Inspector	5.5	50%	6/24/2013 - 12/15/2013	URS- James Gilsenan - 973-883-8672
Newtown Creek Aeration 3, NY City, \$3,005,798	URS	Design Services	Senior Engineer	24	35%	1/1/2012 - 1/1/2014	NYCDEP, Ray Meshkati (718) 595- 6123
Newtown Creek Aeration 4, NY City, \$3,538,713	URS	Design Services	Senior Engineer	24	35%	1/1/2012 - 1/1/2014	NYCDEP, Ray Meshkati (718) 595- 6123
Alley Creek 3 - Environmental Restoration, NY City, \$1,639,126	URS	Design Services During Construction	Project Manager	49	35%	11/1/2009 - 12/1/2013	NYCDEP, Manaf Abdul (718) 595 - 6178
Alley Creek 2 - OD Pump Station, NY City, \$3,555,195	URS	Design Services During Construction	Project Manager	51	35%	9/1/2008 - 12/1/2012	NYCDEP, Manaf Abdul (718) 595 - 6178
Alley Creek 1 - CSO Abatement Facilities , NY City, \$5,386,068	URS	Project Close Out, As Built Documentation	Senior Engineer	10	80%	1/1/2009 - 11/1/2009	NYCDEP, Manaf Abdul (718) 595 - 6178

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Gary Bodine

TITLE Field Inspector

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NYC/DEP Ave "V" Pump Station Restoration Brooklyn, NY \$57,000,000	Hazen & Sawyer	Construction Administration	Preservation Specialist / Inspector	30 months	20-40%	2010-2013	NYC/DEP Warren Gordon, P.E. 718.266.0567
USPS Morgan Facility Renovation NY, NY \$67,000,000	URS	Construction Inspection	Inspector	24 months	10%	2007-2009	USPS-N.E. Facilities Service Office George Schramm 631.582.7681
USPS ADA Improvements - 260 Post Offices-NY&NJ \$228,000 Fee	URS	Design & Construction Inspection	Inspector / Designer	84 months	20%	2006-2013	USPS-N.E. Facilities Service Office Beverly O'Leary 860.285.7174
NYC/SCA IS 2R Structural Repairs Staten Island, NY \$3,500,000	URS	Design & Construction Inspection	Inspector / Designer	24 months	85%	2004-2006	NYC School Construction Auth. Larry Einstein 718.472.8471
NYC/SCA Capital Improvement Projects (9) Public Schools NY,NY \$40,000,000	URS	Construction Administration	Inspector	72 months	90%	1998-2004	NYC School Construction Auth. Larry Einstein 718.472.8471
NYC/SCA-George Washington HS Rehabilitation NY,NY \$17,000,000	URS	Construction Administration	Inspector	36 months	65%	1999-2003	NYC School Construction Auth. Larry Einstein 718.472.8471

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Bill Izer

TITLE Project Closeout

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
CAT-DEL UV Facility	Hazen Sawyer/CDM	Construction	Civil Construction Inspector	84	100	2006-2013	NYCDEP George Schmitt, P.E. 347-585- 4281
Flushing Bay CSO Facility	URS	Construction	Civil Construction Inspector	108	100	1997-2006	NYCDEP Rezza Mirandi, P.E. (Tel. NA)
9/11 World Trade Center Disaster	Port Authority	Construction	Monitor Debris Removal	5	100	2001-2002	FEMA - reference no longer available

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Barry A. Gleissner, PLS, PP, CFM

TITLE Survey

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJDOT - Route 82, Union Township, NJ	URS Corporation	Surveying - created network of control points, collected topographic data	Professional Land Surveyor	0.5 months	60%	2012	NJDOT Babula Dhulesia 609.530.2387
The Diocesan Housing Services Corporation, Gloucester County, NJ	J.T. Kernan Inc.	Surveying/Subdivision - topographic survey, outbound survey for each parcel	Professional Land Surveyor	1 month	75%	2011	Camden Diocese (856) 756-7900 contact person no longer present
Water Supply Line under Parker's Creek, Mount Laurel Township, NJ	Gloucester County Engineer	Surveying - As-built survey	Professional Land Surveyor	1 month	50%	2011	Mount Laruel Township MUA (856) 234-0062 contact person no longer
Brandywine Senior Living, Voorhees Township, NJ	J.T. Kernan Inc.	Surveying - collect topographic field data, property line resolution, wetlands	Professional Land Surveyor	1.5 months	75%	2011	N/A
Mantua Grove Solar Farm, West Deptford, NJ	Sun Power Corp.	Surveying - provided nearly 10,000 control points for panels	Professional Land Surveyor	5 months	80%	2010	Sun Power Corp David Brickner (1-800- 786-7693)

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Ann Terranova, CFM

TITLE Project Outreach Manager

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Risk Mapping, Assessment, and Planning Program (Risk MAP); Nationwide; \$75 million	URS (as Joint Venture Member Company)	Flood Risk Mapping; Communications and Outreach	Outreach and Community Engagement Manager	60 months	50%	March 09 - March 2014	Michael J. McGinn Program Specialist and Contracting Officer Representative (COR) Engineering Management Branch FEMA 202.646.3579 (desk) 202.679.5983 (mobile)
USACE National Levee Database Technical Assistance; Nationwide; \$404k	URS	Communications and Public Relations Strategy for National Levee Database Rollout	Task Order Manager	24 months	20%	May 2013 - May 2015	Geoffrey J. Henggeler, PE (MO) Contracting Officer Representative Kansas City District US Army Corps of Engineers 816-389-3238 Work 816-286-5776 Cell geoffrey.j.henggeler@ usace.army.mil

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NAME Ann Terranova, CFM

TITLE Project Outreach Manager

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
FEMA Floodplain Management Branch Technical Support Task Order; Washington, DC; \$251k	URS	Communications and Technical Support for FEMA's Floodplain Management Branch	Task Order Manager	12 months	30%	September 2013 - September 2014	Jennifer P. Tylander Program Specialist DHS FEMA Risk Reduction, Floodplain Management 1800 S. Bell Street Arlington, VA 20598- 3030 (202) 646-2607

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Peter Witt

TITLE Estimator

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (SUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
NJ DCA RREM - Walli NJ	URS - Clifton	Construction Administration	Chief Estimator	5	85%	July to Present	NJ DCA - URS Contact John Hartmann 917-682-4072
Wal-Mart Interior Renovation	N/A	Interior Renovation	Project Super and PM	100	100%	2011	Wal-Mart - N/A
Puissance Enterprises	N/A	5 Luxury Condo's in NYC	Project Super and PM	12	100%	2010	Puissance Enterprise N/A
Edison ECC Control Center	N/A	Computer Center Interior Renovation	Project Manager	6	100%	2009	Con Edison N/A Retired
River Bend at Wappingers Falls	Tom Brennan Assoc.	Construction of 124 Rental Apartments	Project Super and PM	24	100%	2005	Developer Sterling Properties - R. Brooks 201-8034553
Mill Pond	Tom Brennan Assoc.	Construction of 100 Rental Apartments	Project Super and PM	12	100%	2006	Developer Sterling Properties - R. Brooks 201-8034554
Orchard Hills Estate	Tom Brennan Assoc.	Construction of 78 Luxury Town Homes	Project Super and PM	12	100%	2004	Developer Sterling Properties - R. Brooks 201-8034557
KPMG Peat Marwick	KPMG	Interior Office Renovations	Project Super and PM	3	100%	1998	KPMG N/A Retired
Old Navy and Foot Locker	Paramus Park Mall	Construction of 2 Retail Stores	Project Manager	12	100%	1999	Paramus Park Mall N/A Retired

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NAME Cathleen Bryant, LSRP

TITLE LSRP

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION, ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Werner Generating Station ISRA Site Remediation	URS	Remediation Investigation	Licensed Site Remediation Professional	60	20	2009 to Currently	Burt McCullough, NRG Energy, (678) 641-2503
Sayreville Generating Station ISRA Site Remediation	URS	Remedial Investigation	Licensed Site Remediation Professional	60	20	2009 to Currently	Burt McCullough, NRG Energy, (678) 641-2503
WR Grace ISRA Non-Asbestos Site Remediation	URS	Remedial Investigation	Project Engineer	86	20	2007-Currently	Robert Medler, WR Grace, (901) 493-5856
Former Simmons ISRA Site Investigation	URS	Remedial Investigation	Project Manager	36	20	2011-Currently	Richard Gawlik, Simmons Bedding Company, (770) 613-8510
Paul Robeson Community School PA/SI and UST Closure	URS	Remedial Investigation	Project Manager	48	20	2008-2010	Kevin Niemeyer, NJSDA, (609) 273-9876
Summit Main Post Office Remedial Investigation	URS	UST Subsurface Evaluation	Project manager and Subsurface Evaluator	48	20	2007-2010	Charlotte Parrish, USPS, 201-400-1176

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Marion Craig

TITLE Licensed Site Remediation Professional

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Lockheed Martin Remediation \$20,000	NA	LSRP Oversight	LSRP	36 months (ongoing)	2%	2011 - ongoing	Brad Heim Project Manager EH&S Dept. (908) 901-6079
Former Adhesives Manufacturer Site Investigation/Remedi ation \$ 20,000	NA	LSRP Oversight	LSRP	18 months (ongoing)	20%	2012 - Ongoing	Andrew Shakalis, Asst. Secty & Assoc. General Counsel (201) 894-2763

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NAME Damon Tvaryanas

TITLE Principal Senior Historian

FIRM Richard Grubb & Associates, Inc.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
DPMC DeMott Lane Bridge, Delaware & Raritan Canal State Park, Franklin Township, Somerset County, NJ; \$10,003.00		Phase IA/IB Archaeological Survey and Application for Project Authorization	Principal Senior Historian	2	10%	February-March 2013	LAN Associates Christopher S. Guddemi 201-447-6400
NJ Transit Hudson-Bergen Light Rail, Route 440 Extension, City of Jersey City, Hudson County, NJ; \$20,580.00		Historic Architectural Resources Background Study (HARBS) and a Phase IA Archaeological Survey and Effects Assessment Report	Principal Senior Historian	2	10%	May-September 2012	AKRF, Inc. Dina Rybak 646-388-9601
PANY&NJ Greenville Yard Transfer Bridge Rehabilitation and Repair, City of Jersey City, Hudson County, NJ; \$23,188.00		Section 106 Consultation, Effects Assessment Study, HAER Recordation	Principal Senior Historian	1	5%	March-April 2012	AKRF, Inc. Molly McDonald 646-388-9810

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Paul J. McEachen

TITLE Principal Senior Archaeologist

FIRM Richard Grubb & Associates, Inc.

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AGE OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
DPMC DeMott Lane Bridge, Delaware & Raritan Canal State Park, Franklin Township, Somerset County, NJ; \$10,003.00		Phase IA/IB Archaeological Survey and Application for Project Authorization	Principal Senior Archaeologist	2	10%	February-March 2013	LAN Associates Christopher S. Guddemi 201-447-6400
DPMC Elmer Lake Dam Rehabilitation, Borough of Elmer, Salem County, NJ; \$8,700.00		Archaeological Monitoring	Principal Senior Archaeologist	3	5%	October - December 2011; March 2012	Civil Dynamics, Inc. Christopher Adams 973-697-3496
DPMC Utility Upgrade, Monmouth Battlefield State Park, Manalapan Township, Monmouth County, NJ; \$30,007.00		Phase IA Archaeological Survey and Application for Project Authorization	Principal Senior Archaeologist	2	10%	August -December 2010	Birdsall Engineering, Inc. James McGoldrick (Former Project Manager - Contact Information Unavailable)

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Majed A. Khoury

TITLE QA/QC Manager

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	AVE. OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Fresh Kills Landfill NYC Fee over \$12M	URS	Geotech/Env Investigations, Closure Design, Construction Management and Monitoring	Various Roles: Project Director, Project Principal, Sr Technical Reviewer and QA/QC Manager	300	5-50%	1985- present	City of NY Dept of Sanitation (DSNY) Richard Napolitano, Sr. PM (212) 437-4415
Burlington County Landfill NJ Fee over \$6M	URS	Geotech/Env Investigations, Liner Design, and Construction Monitoring	Various Roles: Project Director, Project Principal, Sr Technical Reviewer and QA/QC Manager	120	5-50%	1985-2010	Burlington County Robert Simkins, Coordinator Resource Recovery Complex (609) 499-1001 x269
Merrill Creek Reservoir NJ Fee over \$6M	URS	Dam Safety Inspections, Operation & Maintenance and Instrumentation Monitoring	Project Principal, Sr Technical Reviewer and QA/QC Manager	200	5-15%	1990-2008	Exelon Energy Jim Mershon, On-Site Coordinator (908) 454-1252
NYCDEP Water Supply System Dams NYC Fee over \$3M	URS	Dam Safety Inspection, Engineering Assessments, Emergency Action Plans, and Remedial Evaluations	Sr Technical Reviewer and QA/QC Manager	50	5-20%	2006-2013	CDM/URS JV for NYCDEP Thomas Schoettle, JV Manager (732) 225-7000

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NAME Majed A. Khoury

TITLE QA/QC Manager

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Mona Parekh

TITLE Health and Safety

FIRM URS

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBER'S SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
Lockheed Martin SSDS - \$11 Million	URS and Arcadis designed different phases of this job	Construction Safety Oversight, Audit, Client Liasion	Site Safety Officer	13 months	20%	November 2012 to Present	Lockheed Martin – Corporate Environmental Remediation Group URS: Van Ekambaram, VP Remediation, 973 883 8692
Merial Limited, A Sanofi Company	-	Pharmaceutical Research & Development	Health, Safety, & Environmental Specialist	46 months	100%	August 2008 to June 2012	Angela Colby, Formulation Scientist, 732 729 5739
PHASE Associates	---	Health & safety support services across industries. Some examples are industrial hygiene sampling in pharmaceutical processing plants, residential construction air monitoring, and writing environmental site assessments for small businesses	Industrial Hygienist	18 months	100%	March 2007 to August 2008	Kenneth Bickerton, Principal Investigator, 973 953 5080

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KEY TEAM MEMBER PROJECT EXPERIENCE DATA SHEET

NAME Daniel Hoffner

TITLE Demolition Technical Advisor

FIRM URS/Cleveland Wrecking

PROJECT TITLE LOCATION AND TOTAL CONSTRUCTION COST OR FEE	A/E OF RECORD FOR THIS REFERENCED PROJECT	SPECIFIC TYPE OF WORK EXPERIENCE (STUDY, SCHEMATIC, CONSTRUCTION ADMINISTRATION)	TEAM MEMBERS SPECIFIC ROLE OR TITLE ON THE REFERENCED PROJECT	DURATION OF TEAM MEMBER'S INVOLVEMENT OF THE REFERENCED PROJECT (IN MONTHS)	% OF TIME DURING DURATION BASED UPON A 40 HOUR WEEK	DATES OF THE TEAM MEMBER'S INVOLVEMENT IN THE REFERENCED PROJECT	CLIENT NAME CONTRACT PERSON AND PHONE NUMBER
TRANSCO - STATION 303 DEMOLITION & REMEDICATION, ROSELAND, NJ \$2.5M	TRANSCO	CONSTRUCTION	PROJECT MANAGER	6	20%	SEPT 2012 - FEB 2013	WILLIAMS, MARK NELSON, 713-215- 4563
STEAM PLANT DEMOLITION, CHARLESTON, WV, \$3.0M	PARSONS	DESIGN, CONSULTING	CONSULTAN T	12	10%	OCTOBER 2007 - SSEPTMBER 2008	FMC, JIM BODAMER, 215-299-6572
AIR POLLUTION EQUIPMENT DEMOLITION, DAYTON, OH, \$1.1M		CONSTRUCTION	PROJECT MANAGER	10	20%	MARCH 1997 - DECEMBER 1997	MONTGOMERY COUNTY, FRITZ MENKE 937-225- 4668
NEBRASKA ORDINANCE PLANT DEMOLITION, MEAD, NE, \$2.0M	ARMY CORPS OF ENGINEERS	CONSTRUCTION	PROJECT MANAGER	10	20%	NOVEMBER 1998 - OCTOBER 1999	USACE, GIL KITE, 402-624-2331
VA INCINERATOR DEMOLITION, SOMERVILLE, NJ, \$300K	PARSONS	CONSTRUCTION	PROJECT MANAGER	6	20%	MAY 2003 - OCTOBER 2003	VVETERANS ADMINISTRATION, JOHN SNOW 908- 707-2020

* A KEY TEAM MEMBER IS A TECHNICAL OR MANAGEMENT PERSON DEVOTING 20% OR MORE OF THEIR TIME TO ANY PHASE OF THE PROJECT

Project Approach to Services on Typical Project Assignment

Introduction

Project Understanding

URS understands that DPMC wishes to contract with Consultant firms that can provide demolition and/or site remediation and restoration design and construction administration services for the DEP Sandy Blue Acres Acquisition Program and other statewide demolition projects as necessary. These consulting services may be used to develop preliminary surveys, assessments, scopes of work and/or design documents and specifications for the demolition, proper disposal and disposition of buildings and structures on designated properties. The services will include disconnecting all utilities, the closing of all wells, pumping and filling of all septic systems/cesspools, removal and testing of above ground and underground storage tanks, and removal of hazardous materials from the properties and site restoration. The Consultant firm will be responsible for preparing the necessary design/bid documents to be advertised for bid to DPMC classified construction contractors and providing permit coordination, bidding support and construction administration services. The Consultants' assignments may include, but will not necessarily be limited to, the following tasks:

- Preliminary Site Investigations
- Project Scoping Documents
- Preparation of Designs and Bid Specifications
- Develop Specifications for Proper Removal and Disposal of Hazardous Materials
- Develop Specifications for Site Remediation (if necessary) and Restoration After Demolition
- Compliance with all Environmental Statutes and Regulations
- Project Outreach Participation
- Coordination with Federal, State and/or Local Officials
- Quality Control/Assurance
- Bid Support Services
- Construction Administration and Oversight

Furthermore, URS understands that the work under this contract may be funded and or reimbursed in whole or in part by FEMA and/or by the U.S. Department of Housing and Urban Development (HUD) through the New Jersey Department of Community Affairs (NJDCA). Additionally, other federal programs (HUD-CDBG, USDA, etc.) or State programs (GSPT dedicated funds or other State sources) may also participate in funding or reimbursing the State for services or work under this contract. DPMC is, therefore, seeking a consultant with extensive experience with FEMA and HUD requirements, as well as those other federal and/or state programs, to ensure that all applicable performance standards of these Programs are followed in their specifications or deliverables.

From the project perspective, URS anticipates that the DPMC desires to have a Consultant with the ability to understand the project requirements and experience to develop the overall management process needed to allocate the necessary technical resources. Our understanding is that there could be as much as 1,300 properties owned by the DPMC requiring demolition of those structures in compliance with applicable plan approvals, permits and regulations as well as safe practices. The structures to be demolished will consist, for the most part, of single family residences. Commercial and/or industrial building structures are not anticipated to be part of this contract.

Potential Challenges

We have identified for this project a number of key challenges that may affect the performance of the project; and have developed effective mitigation measures based on our experience with similar programs. Provided below is a summary of program challenges and mitigation measures to support program success.

Challenge	Mitigation Measure
<p>Maintaining/Meeting the schedule</p> <p>Federal funding requirements include a very tight schedule (90 days) to complete the demolition on a property. If the schedule is not met the funding may not be provided. Major factors that could impact the schedule include:</p> <ul style="list-style-type: none"> • Staffing • Permitting Process • Stakeholders/General Public interactions • Unforeseen conditions 	<p>URS has managed staffing scale up for similar programs by bringing in an experienced core management team including field task managers that know how to effectively coordinate and engage hundreds of employees from multiple offices for seamless and timely project execution.</p> <p>In addition, the URS team will identify all needed permits early on in the planning phase and begin processing as soon as practicable. URS' extensive experience with local, state and federal permitting will mitigate this factor.</p> <p>Also, the URS Management Team will train all field staff in the proper protocol for interaction with stakeholders and the public if they are approached by any of these parties during their field visits.</p> <p>Finally, URS will include a "what if" section within the specifications outlining a specific procedure for the Awarded Contractor to follow if unforeseen conditions arise.</p>
<p>Contaminated Structures</p> <p>URS anticipates that a large number of homes to be demolished under this program will likely have been constructed before 1978 and contain lead based paint. Pursuant to HUD requirements, lead based paint risks must be identified and addressed. Other types of contamination could also be present. The presence of contaminated structures could have a significant impact on cost and schedule.</p>	<p>URS, in consultation with DPMC and NJDEP, will develop a plan governing how lead based paint will be identified and addressed prior to program deployment.</p> <p>The URS Team has more than 24 in-house certified inspectors available.</p> <p>In addition, URS' extensive experience in the environmental field will allow us to address this challenge effectively. The URS team will identify in the Site Investigation phase the presence and extent of contamination. A remedial plan will be developed and incorporated into the plans and specifications. Implementation of the plan will be closely monitored during the construction oversight phase by assigning inspectors to these special cases with a mix of environmental and construction management experience.</p>
<p>Ineffective Awarded Contractors</p> <p>Ineffective contractors can pose a serious risk to the execution of the project and impact such factors as cost, schedule, and health and safety.</p>	<p>URS will systematically monitor performance so that problems are identified early, corrective actions are taken to remove nonperforming contractors, and less experienced contractors are supported to develop the capabilities needed to be successful.</p>

A. Procedures

Management

Timely and successful Program and Work Order completion will require ongoing coordination among DPMC and other applicable state agencies and stakeholders, the URS Program Manager, the URS Project/Work Order Managers and the technical resources assigned to direct each aspect of a Work Order.

Upon contract award it is anticipated that the URS Principal-in-Charge and the URS Program Manager will meet with DPMC and other participants in an internal "kick-off" meeting to discuss specific program management related items, such as reporting chains, document controls, guideline and specification standards, abbreviated Scope of Services, budgets, deliverable schedules and Quality Management requirements. Subsequently, DPMC can start issuing individual Work Orders. **This process will consist of:**

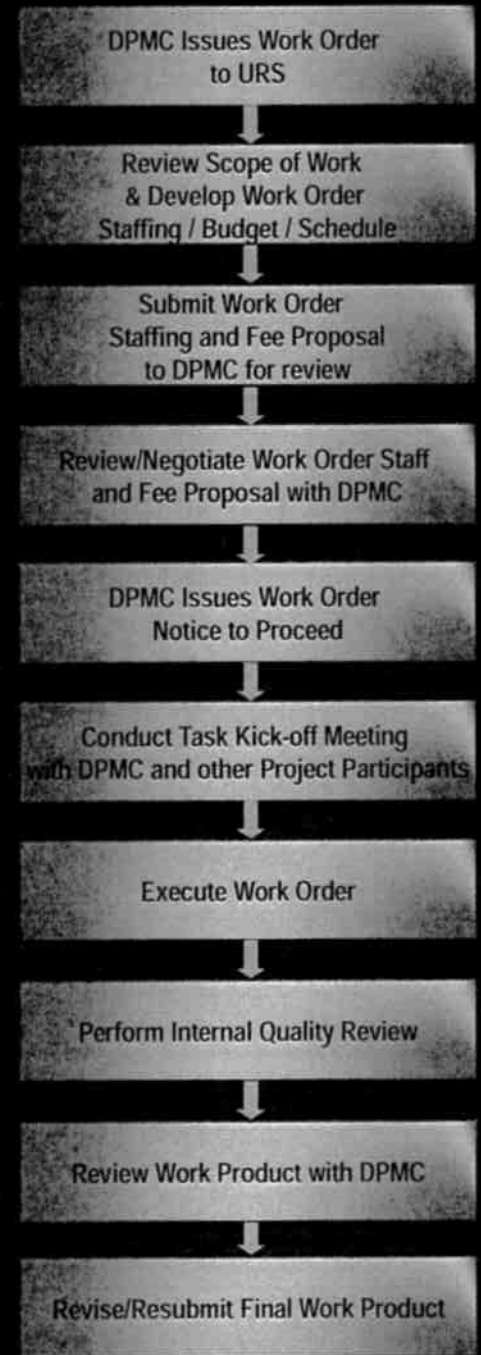
- **Work Order Assignment:** Each Work Order issued by DPMC will be received by the Program Manager, who will meet with the Project/Work Order Managers; assign a Project/Work Order Manager, who will be the most competent individual available and who will report to the Program Manager; and identify other technical resources as needed. The Project/Work Order Manager will act in a technical capacity as well as a management capacity for the Work Order and will be directly responsible to the Program Manager for all matters relating to technical, cost and schedule performance.

The Project/Work Order Manager will consider the need to use local specialty sub-consultants, such as environmental drilling to meet the needs of the Work Order.

The Project/Work Order Manager will complete the Work Order proposal outlining the scope of work, staffing, budget and schedule for the Work Order. The proposal may include costs and supporting information from proposed sub-consultants. The Program Manager will review the proposal before its submission to DPMC. The Program Manager will discuss the proposal with DPMC as necessary to reach a mutually agreeable position. Upon acceptance of our proposal, DPMC will approve Work Orders and issue a Notice to Proceed (NTP).

- **Individual Work Order Management and Execution:** Upon receipt of the NTP, the Project/Work Order Manager will conduct a kick-off meeting with DPMC and other members of the technical team to discuss the Work Order assignment. Such a meeting is useful in further determining specific requirements of the assignment, identifying available data, and assessing explicit concerns that may not have been described in full detail in the initial scope of work related to the assignment.

Key Steps in Typical Work Order Execution



The Project/Work Order Manager will report weekly, or more frequently as necessary, to the Program Manager, to review performance and to suggest any changes deemed necessary. Project status and any changes can then be discussed by the project team during weekly telephone calls and, if deemed appropriate by the PIC, and with the applicable DPMC Point of Contact. If changes require additional resources beyond the dedicated team, the Program Manager will be consulted to bring corporate resources to bear on the issue.

Throughout the duration of each Work Order, the Program Manager and the Project/Work Order Manager will be responsible for final product quality within the contractual time and budget requirements. Using our computerized cost and control system, the Project/Work Order Manager will have access to a weekly breakdown of current and cumulative costs and labor hours by category (direct labor), travel and other direct costs - a proven vehicle for maintaining project control.

A standardized delivery order format will be developed in collaboration with DPMC at the inception of the project to ensure consistency and completeness. These formats will cover technical, administrative, logistic and other procedural matters, and will be disseminated to each project management team involved in this contract. These formats will be updated by URS as part of our continuous improvement program and as agreed to by DPMC.

Deliverables will be submitted to DPMC only after detailed checking and Internal Independent Technical Review in accordance with the URS QC program. Note that the URS-assigned Quality Control Manager, Dr. Majed Khoury, PE, PhD will routinely conduct Quality Assurance Audits, to assure adherence to the Quality Control Plan procedures.

The final step of each Work Order is the team's demobilization and debriefing. Each debriefing will consist of two parts:

- **First, DPMC and the URS Team staff will hold a debriefing.** Frank and open discussions will be held with the entire team, and suggestions will be made as to where and how team performance could have been improved and initial submissions strengthened. These debriefings should help determine if Work Order requirements were met. If not, the debriefing will be a mechanism to sharpen the team's skills and DPMC interaction and help URS better understand the State's requirements for future delivery orders as part of our continual improvement process.
 - **The second stage of a debriefing will take place between the DPMC Manager and the URS Quality Control Manager.** Again, the purpose of this debriefing will be to improve future assignments. We have found that clients are often more open and frank with regard to their likes and dislikes of how the Work Order was accomplished when speaking to the QC Director, who is outside of the project production Team. We will use feedback from these sessions to improve our performance on future assignments.
- **Work Order Cost Management:** As a public company, URS places strong emphasis on tracking cost, schedule and performance metrics on a weekly/monthly schedule. URS' cost management system is built upon a cohesive set of tools, with all data centralized in one database, guaranteeing the seamless integration of cost information from time-card entries through reports and invoices. It ensures our project managers and customers have consistent, accurate, and timely accounting, reporting, invoicing, and other information at their fingertips. These tools are used today on numerous programs throughout URS, providing the backbone of our DCAA-approved cost accounting system.

All URS offices use the same accounting system, EnterpriseOne, which is a fully integrated financial management solution with built-in applications providing powerful project and organizational accounting features, including general ledger, accounts payable, accounts receivable, purchasing (including subcontractor purchase orders), fixed assets, travel, timesheets, payroll, human resources, and materials management. URS managers use the system on a weekly basis to track financial performance and to make monthly financial projections of "estimated costs at completion" (EACs). If the EAC shows projections above prescribed variances in budget, corrective actions are taken.

Using our Work Order schedule and data from EnterpriseOne, the URS Team collects and reports performance data monthly (or more frequently, if required) against baselines that are established during the planning phase of each Work Order. When actual costs differ from those planned in excess of Work Order-established allowable variances, the Program and Project Manager and Technical Leads develop a corrective action plan to bring cost back in line with expectations.

For sub-consultants, the schedule is monitored on a weekly basis and costs are measured by a progress report each month (built from the individual company's standard accounting system and practices) that accompanies their invoice. URS reviews and approves the progress prior to invoicing DPMC.

- **Work Order Schedule Management:** URS will use MS Project to develop and track schedules. The Program Manager will monitor a master schedule with a roll-up of individual Work Order schedules. The Project/Work Order managers will be responsible for entering the planned schedule into MS Project. URS has found that a detailed MS Project schedule that splits the work structure into smaller elements is a more effective tool for managing Work Order schedules.
- **Project Outreach:** Project outreach can be conducted in a number of different ways depending on the program end goals. Perhaps the most broad scale approach is general outreach, whereby media announcements, public notices, public meetings, and Web site information is provided to the general public. The most direct approach is targeted outreach, where certain areas are targeted for a door-to-door campaign as deemed necessary. The needs assessment can feed the overall direction of the outreach program and best determine the balance of general and targeted outreach to reach potentially impacted stakeholders.
- **Coordination with Federal, State and/or Local Officials:** URS will assist DPMC by providing technical support and document presentations that would be used in presentations representing DPMC at public and regulatory meetings. URS has extensive experience in representing our clients' interests in negotiations with the NJDEP, EPA and other regulatory agencies in support of clients conducting remediation activities. Besides having extensive accumulated experience, we are well respected among the regulatory community with a reputation of producing high quality, technically defensible reports. As a result of our many years of working on investigations and remediations in New Jersey, we are very familiar and comfortable with all aspects of interfacing and working with the regulatory agencies.
- **Continual Improvement:** An important part of a performance-based organization is continual improvement, and the use of the Plan, Do, Check, Improve concept. The URS Team continually reviews lessons learned and then develops and updates standard operating procedures. URS' continued investment in technology upgrades to improve internal processes and employee training and development is also an important part of continual improvement. The result of continual improvement is higher quality and lower costs.

We believe that our straightforward organizational structure and clearly delineated responsibilities will yield maximum value to DPMC. We have a strong commitment and dedication to ensuring our projects are successful, and feel that our proposal, in combination with our clear-cut management staffing plan for conducting Work Order assignments, demonstrate our ability to perform these services in an effective manner.

Technical Approach

URS has developed the technical approach described below to meet the requirements outlined in the scope of work of the RFP and based on past experience with similar projects. This approach consists of a phased approach to implementation, effectively categorizing the program into phases and functional areas. Each functional area of the program is distinctive and operations are conducted concurrently to rapidly push through the process with minimal delays. Our proposed approach includes the following phases:

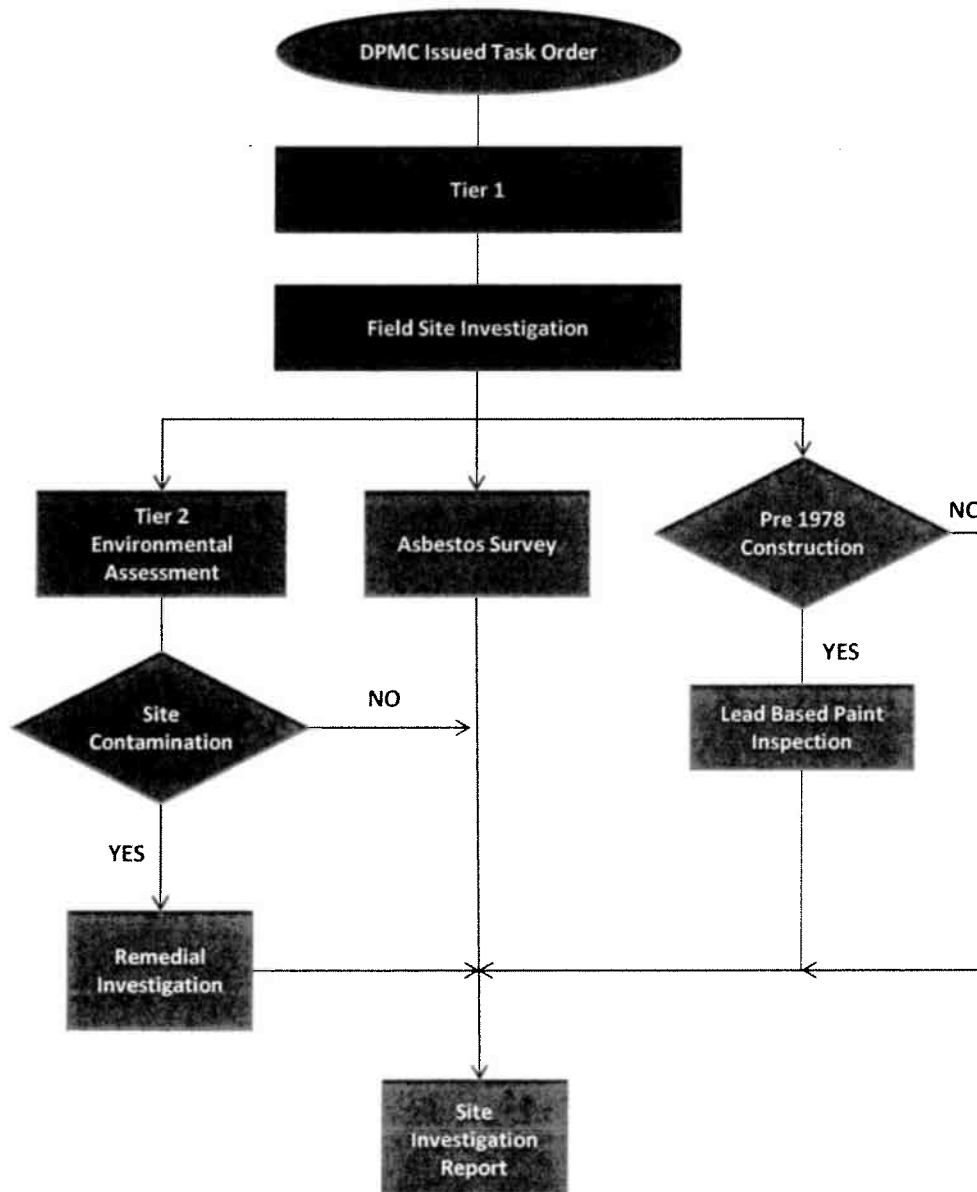
Phase 1: Site Investigation and Planning

Phase 2: Design/Permitting and Bid Packages

Phase 3: Construction Administration and Oversight

Phase 1: Site Investigation and Planning

Phase 1 Flow Chart
Site Investigation & Planning



This Phase consists of conducting a Site Investigation of each property included in each individual Work Order to mainly identify those areas where unacceptable environmental conditions are present as a result of past practices.

Our approach to the Preliminary Site Investigations Phase of this program is a comprehensive plan drawn from a process developed and implemented on previous HUD CDBG-DR programs identical in nature to this program. Our approach was implemented with great success, resulting in a cost effective process producing a product that is both timely and meets all HUD Environmental Review Record (ERR) requirements. Our environmental review process provides rapid and accurate review results quickly and cost effectively.

The conditions identified in the Tier 1 Broad Review are organized into individual Environmental Review Topics in accordance with 24 CFR Parts 35, 51, and 58, as well as Section 106 Historic Preservation requirements. Based on the Tier 1 Broad Review outcome, a Tier 2 Level Review Site Specific Checklist (SSC) is developed to guide the reviewers through the environmental review process for individual project sites.

The SSC is designed to collect site-specific environmental information about a project site to be used in conjunction with other environmental databases to determine potential environmental impacts as they relate to the NEPA process. Part of this initial inspection includes capturing information to answer any questions and observations as they relate to other site specific conditions including environmental hazards, safety hazards, and GPS location. Any safety or environmental exposures should also be captured.

Environmental Review Specialists will conduct a Step 1 Desktop Review of each site utilizing the Tier 2 SSC as a guide. Should a particular site require a more detailed review, or a Step 2 Site Visit is authorized and professionals with the required specialty skills are dispatched to conduct further assessments. Step 2 assessments are designed to confirm our environmental position on the project. In our experience, potential areas for in depth reviews that require agency coordination include architectural history, archaeology, wetlands, threatened and endangered species, and asbestos/lead based paint. Our approach for the analysis and mitigation for asbestos and lead based paint includes inspection, identification, and reports generated by certified professionals.

URS recommends a hazardous material survey to include asbestos and lead based inspections to be conducted as part of the Tier 2 Level review.

Asbestos Containing Materials (ACM), and Lead-Based Paint Investigation

The URS Team may be asked to perform asbestos, lead-based paint, PCB investigations for all suspected materials and systems as warranted. For ACM and LBP surveys URS shall provide adequate sampling and analysis on: (i) suspect ACM (friable and non-friable and non-friable organically-bound) within each individual building and affected site area, such as interior and exterior pipe/duct insulations, equipment and boiler insulations, fire brick, AC units, plaster materials, floor and ceiling tiles, mastics/glues, roofing materials, glazing caulks, wire wrap, fireproofing, and (ii) suspected LBP, such as floor/wall/ceiling/equipment including windows, door and trims housing painted materials using X-ray fluorescence (XRF) spectroscopy. Also for demolition debris URS will ensure that all required sampling and analysis procedures for determining the Total Lead Concentration and TCLP of all suspected LBP materials for disposal. Adequate number of individual and bulk analyses to accomplish this task will be performed in compliance with all applicable regulatory and code requirements, including applicable provisions of N.J.A.C. 7:26E. URS will identify the appropriate investigation, testing, and abatement methodology, which must include sampling for ACM. Transmission electron microscopy (TEM) analytical techniques are required for non-friable organically bound materials found to contain less than 1 % asbestos fiber using polarized light microscopy methods (PLM).

ACM and LBP Report

URS will provide an ACM and LBP Inventory Report, with appropriate exhibits, in the site investigation report. Each individual building shall be itemized separately in the Report. The Report will summarize all work accomplished, and shall include: (i) all laboratory data, (ii) sketch plans identifying the location of all samples obtained, (iii) summary

tables identifying all analytical results, including, but not limited to, detection and friability levels of all ACM/non-ACM, concentrations of Total Lead, and TCLP analyses for disposal, and (iv) a comparison of all such levels/concentrations to residential action levels as determined by NJDEP and the United States Environmental Protection Agency (USEPA).

Additional Site Investigations (SI) and Remedial Investigation (RI)

Based on the results of the Tier 2 review some of the sites may require additional environmental services to include Phase II site investigations and remedial investigations. Under this task, URS will conduct all required activities as per the approved Phase II work as defined in the final Phase I report for a particular site. During the Phase II Site Investigation, a limited number of waste and environmental media samples are taken to allow for the determination of the absence or presence of the suspected environmental condition. After confirming the presence of contamination in the Site Investigation phase, a Remedial Investigation is conducted. The Remedial Investigation may need to be a more extensive sampling program designed to determine the nature and extent of contamination. **URS environmental professionals include several New Jersey Licensed Site Remediation Professionals (LSRPs) available to support the projects.**

The SI and RI phases could include the following, as required based on the site conditions:

- soil borings
- groundwater well installation
- sampling of any other potentially impacted media
- evaluation of risks and potential impacts
- surface and subsurface soil sampling;
- groundwater sampling;
- evaluation of groundwater flow;
- preparation of investigation reports.

During the site investigation phase, URS will use a variety of tools to locate and identify potential jurisdictional wetlands. URS has a dedicated Wetlands/Ecological staff that has been providing wetlands and ecological work for decades throughout the State of NJ. Our staff has the necessary experience and licenses to complete this work. In addition, URS will conduct a utility investigation analysis based on the results of surveying activities and interviews with point of contact personnel for each utility company.

Phase 2: Design/Permitting and Bid Packages

This phase consists of the development of plans and specifications for each individual demolition project included in the Work Order assignment and will include Plans and Specifications, Environmental Compliance and Permit Coordination. This phase is paramount to ensure all contractors are bidding the same project requirements and DPMC is getting the best value for their expenditures. **Refer to Phase 2 Flow Chart on the following page.**

Plans and Specifications

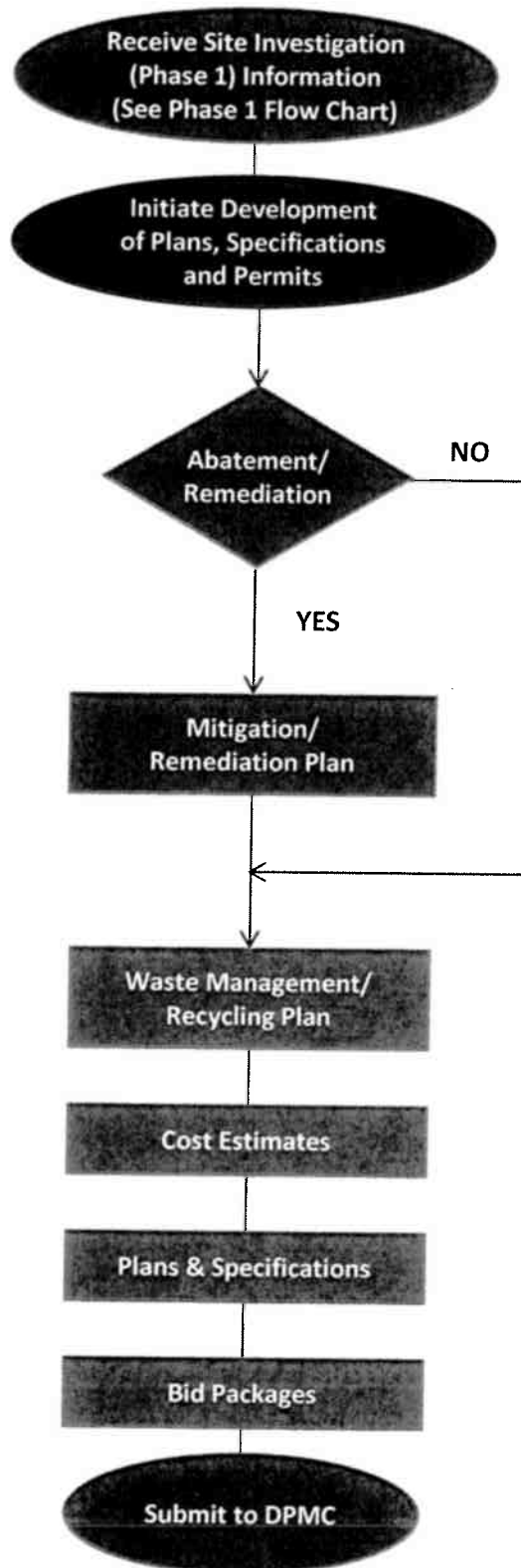
The URS Team will develop a series of standardized protocols, plans and specifications for use throughout the project to achieve the program needs. It is improbable that the standardized plans and specifications will uniformly apply to every location, but they will represent an 80% solution that can be adapted to unique or challenging sites. The remaining 20% will require some customization to meet the site conditions.

It is likely that many of properties will be in a variety of incorporated and unincorporated areas of the State, each with its own unique building codes and zoning ordinances. It is essential to organize and have a thorough understanding of these different codes and ordinances and the constraints they place on the design process. The URS Design Team will prepare a building code and ordinance matrix by researching the local requirements and meeting with local building officials to develop rapport and begin the relationship building process that will be very important throughout the program duration.

Architects/Engineers will conduct site visits as needed to develop site specific drawings in accordance with standardized protocols. Existing land surveys will be reviewed if available. If they are not available, URS will obtain new land surveys. Designers will also utilize automated design software to expedite drawings.

Phase 2 Flow Chart

Design/Permitting/Bid Packages



URS will also provide cost estimates for demolition, including any related hazardous materials abatement required. The cost estimates will provide a detail breakdown of the estimated demolition cost for each individual structure within the Work Order.

The end result will be a set of standardized plans (drawings) and specifications that clearly outline the proposed scope of work and demolition estimated costs for each structure, including specialized instructions, for use in the bidding process. Specialty design details, like the presence of asbestos or architectural antiques stemming from the site investigation, will be called out in the design documents to ensure the Awarded Contractor understands the abatement or mitigation requirements.

Environmental Compliance

All the work associated with demolition, including disposal of demolition related waste material, must be conducted in accordance with all applicable local, State, and Federal regulations, including those of the New Jersey Department of Labor and Workforce Development (NJDOLEWD), the NJDEP, the Environmental Protection Agency (EPA), the National Emission Standards for Hazard Air Pollutants (NESHAP), and the Occupational Safety and Health Administration (OSHA). Under this task, URS will assist DPMC in the interpretation and implementation of current environmental regulations and guidelines. URS has a core staff focused on monitoring the myriad of regulatory programs in New Jersey, as well as Federal legislation. We also subscribe to several regulatory monitoring publications and are members of numerous professional associations active in legislative monitoring. URS shall prepare all plans and specifications, to ensure that all related demolition work is accomplished in accordance with all local, State and Federal regulatory requirements. This could include:

- Properly remove, handle, and dispose of any ACM.
- Properly manage and dispose of lead-based paint debris (regulated by NJDEP).
- Properly dispose of any and all unregulated solid and hazardous waste, including but not limited to household chemicals, consumer packaged pesticides, oils, paints, or other related items found on the project site.
- Properly management of archaeological and historical preservation areas and/or structures.
- Storm water management and soil erosion and sediment control.
- Site remediation and restoration.
- Removal of above-ground oil tanks. (URS assumes that Underground Storage Tanks (USTs) should not be present as these should have been removed/remediated by the original property owner prior to the transfer of title to NJDEP.) However, if a UST is identified during the Site Investigation Phase, then provisions for the UST removal, follow-up investigation and LSRP participation will be incorporated in the plans and specifications.

Where necessary, URS shall include in the plans and specifications documents any required asbestos, lead, PCB or other hazardous material abatement details, including all ACM and LBP Inventory Reports and PCB Reports. For abatement design support services, URS has teamed with USA Environmental, Inc. and Omega, both New Jersey certified asbestos safety control monitoring firm with extensive experience with DPMC throughout the state.

In the event that historic structures are slated for demolition and regulatory conditions are placed on DPMC by the NJDEP, those conditions shall be incorporated into the plans and specifications.

Site remediation and restoration work shall include, but not be limited to, earthwork and backfilling; sidewalk, pavement, and curb restoration; required utility restorations; perimeter fencing; soil erosion and sediment control measures, vector control, and lawn establishment and stabilization.

With regards to waste management and disposal, URS proposes to develop a "Beneficial Reuse" or recycling plan as part of the overall approach. Many materials from the structures can be recycled cost effectively or transformed to other usable materials to benefit the community. Of particular interest is the concrete and steel from slab constructed

structures. With landfill space at a premium across New Jersey and disposal fees based on the tonnage of the debris dumped, recycling the concrete and steel could be of financial benefit to DPMC by reducing tipping fees and benefit the local communities should they want the aggregate. The URS Team will develop the scope, costs and technical approach to maximizing the beneficial reuse of salvageable materials. URS is uniquely qualified to perform this task having been managing construction waste for over 200 PSE&G construction projects throughout New Jersey for the last 2.5 years and, as such, having assisted PSEG in meeting their 100% recycling goal.

In addition, the URS team proposes to conduct a cycle analysis study to determine the efficient and effective transportation paths to local area disposal sites. The benefit of this study is to provide contractors with routes and time periods that will limit traffic congestion and wait times as well as designate specific routes for transportation of hazardous materials like asbestos. The net effect will provide the opportunity to reduce the overall transportation costs and have route monitoring to ensure a safe and environmentally secure disposal of construction debris.

Permit Coordination

This task will consist of preparing construction and environmental permits necessary for the demolition, removal and disposal of all structures on the property and for the restoration of the site to a natural state. URS will fill out the permits, including all required information and the name of the Awarded Contractor of record, and will submit to DPMC Plan & Code Review Unit who will process the permits with NJDCA.

Upon receiving the NTP on each Work Order, the URS regulatory staff will evaluate the project to determine the applicable permits and other regulatory requirements. Once the applicable permits and requirements have been determined, a plan will be developed to secure the permits and ensure compliance with regulatory requirements in a timely and cost effective manner. URS' significant experience in dealing with regulators from the NJDEP, will enable us to facilitate permit application submittals, as we have done on dozens of similar comprehensive projects.

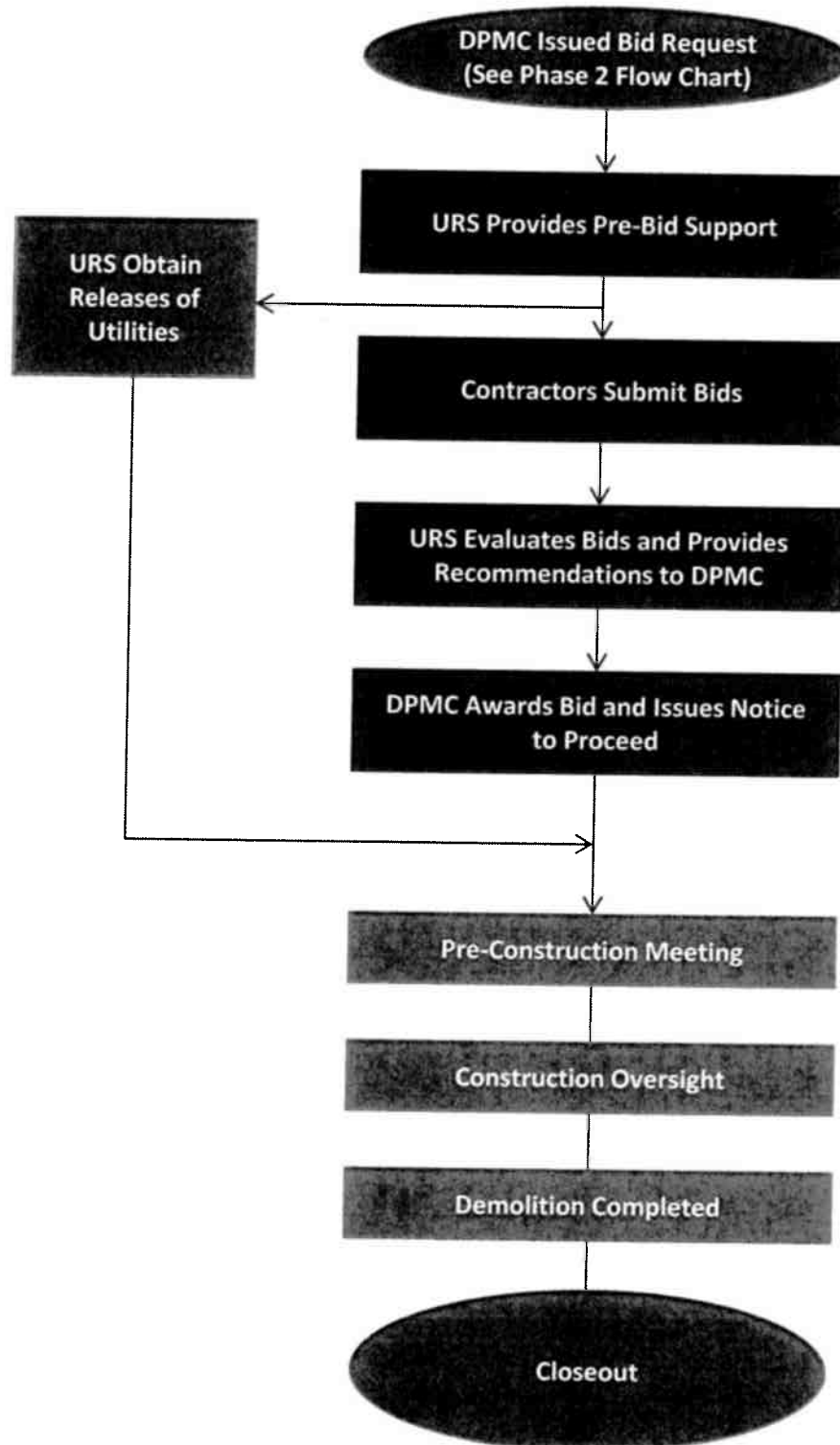
URS has extensive experience understanding the permitting requirements as well as preparation of permit applications. Over the past 30 years, URS has prepared applications and obtained thousands of permits for its clients. We have recently worked on two major transportation projects (Toms River Bypass Bridge and Newark Elizabeth Light Rail) that required Army Corps Section 10 and Section 404 Permits, Coast Guard Bridge Permits, NJDEP Individual Freshwater Wetland Permits, NJDEP Coastal Area Facility Review Act and Waterfront Development Permits as well as NJDEP Stream Encroachment Permits. Our Ecological Management Group provides "one-stop" permit management from the earliest stages of design through approval of the permits. Our complete knowledge of the regulatory system and familiarity with the regulators provides our client's with the ability to streamline environmental permitting of all types of projects throughout NJ and the East Coast.

Phase 3: Construction Administration and Oversight

The final phase of the overall program management process is performing the actual demolition. This phase, which comprises the construction oversight and begins at the completion of the plans and specifications, will require a series of well managed tasks that require interface with DPMC and the Awarded Contractor, including: Bid Support and Pre-Construction Assistance; Construction Management; and Project Closeouts. The URS Construction Administration and Oversight Team provides the oversight, technical resources, decision-making, and management of the Awarded Contractors during this phase. **Refer to Phase 3 Flow chart on the following page.**

Phase 3 Flow Chart

Construction Administration and Oversight



During this phase, the URS Team will be responsible for ensuring that the Awarded Contractor receives the scope of services plan; obtains appropriate local permits and receives releases from utility providers; demolishes all improvements on the property; removes and properly disposes of all debris at appropriate locations after paying required fees; restores the natural grade of the property and seeds the new top soil.

Bid Support and Pre-Construction Assistance

This task consists of activities associated with the bidding and contract negotiation process. URS understands that the demolition contracts will be advertised for bid by DPMC based on the plans and specifications provided by the selected consultant, and awarded to the lowest responsible bidder. Having prepared the plans and specifications, during this selection process URS will attend any pre-proposal meetings, respond to questions from bidders, review the bids received, including the apparent lowest responsible bidder, and provide a Recommendation of Award to the DPMC Project Manager.

URS recommends implementation of a bid process that begins with bid package development based on the most feasible, acceptable and suitable packaging of project sites on a geographic basis. The package should be large enough to encourage local competition with competitive bids, yet of a size that it is not too large for a single contractor to handle. URS will assist DPMC with contract negotiations as needed. In addition, URS' corporate legal staff is available to conduct a Risk Analysis of the contract language and make recommendations to DPMC for strengthening of your position.

Following the bid award URS will assist during pre-construction activities with the following:

- URS will notify and obtain the written release of all utilities having service connections within the structure, such as water, electric, gas, sewer, cable television, and other connections.
- URS will attend and assist DPMC and NJDEP in conducting the pre-construction meeting with the Awarded Contractor to familiarize them with the following items:
 - The interrelationship between DPMC, the URS Team, the Awarded Contractor and its subcontractors, and other agencies and/or public or private entities.
 - The Project Control and Scheduling system established for the project.
 - The basis for reporting, preparing and processing progress payments and monitoring continuous coordination of construction activities.
 - DPMC procedures which the Awarded Contractor is to follow during the course of their contract.
 - EHS requirements.

Construction Management

This task comprises the construction oversight during actual demolition activities. In order to ensure the Awarded Contractors are making satisfactory progress, the URS Team has an inspection protocol, quality assurance processes, and standardized inspections procedures developed specifically for HUD CDBG programs. URS will provide the inspection milestone requirements to the contractors during the pre-construction meeting so each participant will have clear direction and understanding of the inspection process, quality standards, and the expectations of the inspectors. Other inspections also occur during the demolition phase to monitor the abatement and disposal of environmental hazards including lead based paint and asbestos.

The URS Team understands that the use of public funding for this project instills a responsibility to strictly monitor all demolition work and ensure that all expectations are met. Our approach will be to embed inspectors with each demolition crew and require that documentation be collected and be integrated into the project file on each property on a weekly basis. All Inspectors will report to the Project/Work Order Manager who will ensure that sufficient Inspectors are assigned and perform their assigned tasks. The Inspectors will ensure that the scope of services plan is followed, that site safety procedures are clear and enforced, fees are paid and permits are obtained with copies provided to the file, and that utility providers are notified in advance of required time limits.

Our team will ensure before and after pictorial documentation is collected. Disposal activities will be visually monitored and landfill tickets confirming load sizes and amounts paid will also be appended to the each property's file. Our Inspectors will coordinate with local inspectors and DPMC inspectors to ensure client satisfaction. A log of all such coordination will be maintained and preserved within the project's file. Any departures from the scope of services will be brought to the immediate attention of the Task Manager who will notify the Awarded Contractor. Corrective actions will be at the Awarded Contractor's expense and the need for such corrective actions will be recorded. If an individual Awarded Contractor is continually being required to take corrective actions, or fails to take corrective actions upon request, they can be sanctioned from further bid opportunities and contractually-mandated penalties may be enforced.

We anticipate that the construction oversight will include at least one visit per week to each site under construction. The URS team will generate standard weekly status reports, and submit to DPMC.

Furthermore, we propose that our Inspectors ensure that neighborhood outreach is conducted. URS excels in the practice of public engagement and our team will plan and execute a public engagement program in the work area to assist the public with any problems or issues they may have and avoid major disruption in the project area. Some examples of public engagement include neighborhood notification, specific site marking in advance of the on-site demolition work, contact information of the Program Manager and Awarded Contractor posted to address any questions and coordination with the local government. During demolition, the project sites will be cordoned off from entry to protect the safety of any bystanders.

Finally, the URS Team Inspectors will review and approve as appropriate each demolition contractor invoice or pay application to ensure that it correctly reflects charges.

Project Closeouts

The URS Team will coordinate with the Awarded Contractor and DPMC to collect all contract close-out documents and confirm that funds were used for their intended purpose. Our team will ensure all expenditures were adequately documented and within the contracted amounts. At a minimum, the following documents will be included in the close-out package.

1. Final Site Plan
2. Copies of Waste Manifests, bills of lading, or other applicable disposable documentation
3. Copies of Well Closure reporting form completed by licensed well driller
4. Copies of Board of Health Approval for Wastewater Disposal System
5. Recycling Plan (if required)
6. Copies of Test Reports
7. Pre-Demolition and Post-Demolition Photographs
8. Documentation regarding the source and quantity of imported clean fill
9. Copies of NJDCA Inspection Reports
10. Copies of NJDCA Permits and Certificate of Acceptance

As outlined in the RFP, the close-out documents listed above will be compiled into a bound manual of which five copies will be provided to DPMC.

B. Identification of Staff/Sub-consultants for Various Tasks

The URS Team is comprised of URS as the prime consultant, LiRo Engineers providing lead paint evaluation and project management support, two highly qualified environmental firms, USA Environmental and Omega Environmental for asbestos design and lead paint evaluation, and Richard Grubb & Associates, Inc. for Archaeology and Historic Preservation.

The URS Clifton, New Jersey office will be the lead project management office for the contract. Mr. James Gilsenan, AIA, NCARB from our Clifton office, will serve as Principal-in-Charge for the Contract. He will work closely with **Mr. Philipp Sieber, PE, MBA who will serve as Program Manager and will be the primary point of contact on all technical matters and the primary liaison to the state throughout the execution of all Work Orders.** Mr. Sieber will be supported by Project/Work Order Managers Mr. Duane Seaman, PE, Mr. Tony Staniscia, AIA, Mr. Kevin Condon and Mr. Christopher Zaroni who comprise the primary management team. Independent of the management team and a key element of our success is the QA/QC team under the direction of Majed Khoury, PE, PhD. Technical resource personnel from each of the respective disciplines will support the management team in the production and management of each Work Order, including oversight of our team's sub-consultants.

The roles and responsibilities chart in the **Organization Chart/Staffing Plan** section of our response identifies the key and support staff and their associated tasks.

Sub-consultant Selection and Management

The URS Team includes one engineering and construction management firm, two environmental firms and an archaeology and historic preservation firm. URS selected LiRo Engineers because of the firm's level of expertise and quality of services. They are successfully working with URS on the NJ RREM Program and other programs/projects in New York and New Jersey. USA Environmental and Omega Environmental were selected because each has extensive and successful project experience in New Jersey with DPMC and NJDEP, as well as Richard Grubb Associates for archaeology and historic preservation services.

Once a Work Order is issued by DPMC, each of the pre-qualified sub-consultants will be solicited for a Work Order specific proposal and selected based on best value for DPMC and NJDEP and their relevant task experience. Because of URS' breadth of staff, we have technical experts that will be assigned to monitor the work products of each of these teaming partners. This in-house capability also allows us to provide an additional layer of review prior to delivering sub-consultant's work products to NJDEP or integrating their work with other facets of the project.

The URS Team employs a time-tested sub-consultant management structure to initiate, monitor, control, and report subcontract activities. Subcontract management begins in the pre-proposal period with the establishment of teaming agreements, work scopes, and shared work goals. Upon contract award, subcontracts are negotiated and executed. These subcontracts are structured to flow down prime contract terms and conditions, representations and certifications, security requirements, and proprietary data safeguards and procedures. URS structures its subcontracts so that each sub-consultant is managed in the same fashion that DPMC manages us (i.e., by use of the same controls, procedures, standards, and requirements that are present in the prime contract). We accomplish this with the addition of flow-down requirements for management, quality and work products into individual delivery order subcontracts. This ensures full subcontract visibility and total accountability within the URS Team. Regular communications between URS and its sub-consultants prevents the potential impact of any issue from affecting contract/subcontract relations. Sub-consultant utilization will be driven by the program's needs. The sub-consultants on the URS Team are registered with the State of NJ in their respective disciplines and will be utilized as required. In the event a situation arises where a specialty outside the team may be required, URS will ensure that any additional sub-consultants are both registered and approved by DPMC prior to their utilization.

Sub-consultant reporting is driven directly by the contract reporting requirements and similar data requirements are contained in the subcontracts. Sub-consultant labor, status, invoices, and accomplishments are integrated into the URS Team progress reports for presentation to and review by DPMC. URS continuously monitors subcontract performance against expectations in terms of performance tracking metrics and supporting measurements, and we evaluate our sub-consultant relationships at regular intervals. URS implements hands-on resolution of problems, and assumes responsibility for rapid, proactive solutions for both URS and any of the NJDEP's concerns and issues as they arise. By effectively controlling work assignments, by tracking and monitoring progress with structured cost, schedule, and quality performance metrics, and by instituting the same management procedures as applied to URS by DPMC and NJDEP, we establish and maintain direct and success-oriented sub-consultant control.

C. Contingency Plans

While the URS Team prides itself in problem avoidance through the use of experienced highly trained managers, automated tools and formal quality control procedures, we also realize that problems or unanticipated events may occur that could affect a Work Order's technical quality, schedule or, budget. For those situations, we have established contingency procedures and protocols in place to handle these.

URS approaches assignments in the spirit of partnering and believe transparency in dealing with problems is the first step to success. If and when a problem is discovered, the URS Program Manager will immediately advise DPMC Project Contact to discuss appropriate corrective actions.

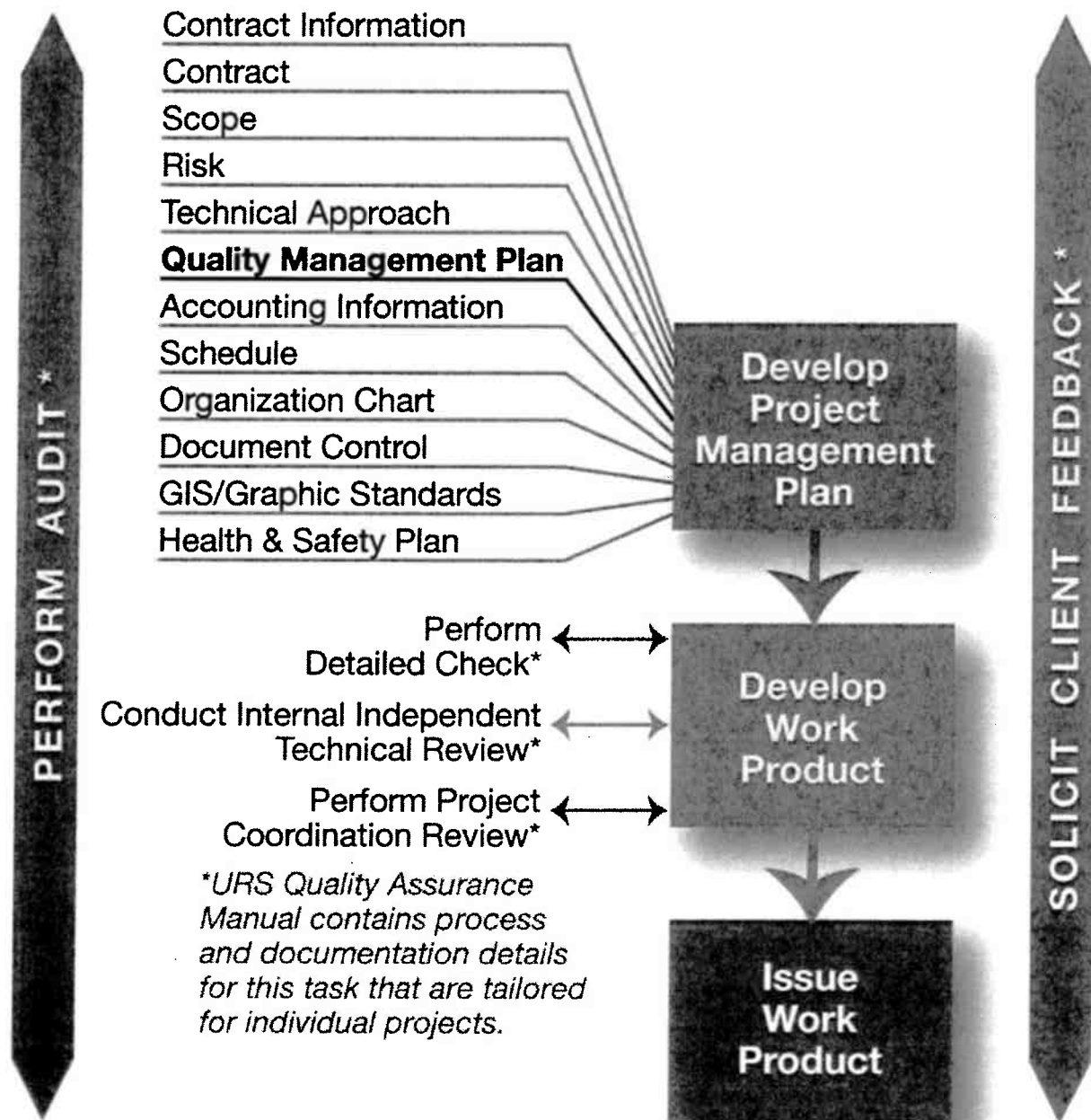
Through continual monitoring of the schedule and budget, we are able to take corrective actions before they become insurmountable and impact product deliverables.

As part of our contingency plan, we have structured the team such that when a divergence is noted, URS has the depth and breadth of resources to make staffing adjustments to take corrective actions. In addition, we have included multiple firms on our team each capable of fielding unanticipated problems, and meet the demands of multiple simultaneous assignments. Similarly, we have duplication in engineering staff to allow the team to adjust resources to meet schedule requirements. Where technical or procedural errors are detected, either through our detailed checking process or Internal Independent Technical Reviews corrective action will be taken.

If at any point during the execution of work on this contract, it is indicated that the URS Team is not meeting expectations, either through feedback from internal or external QC checking results, the Work Order feedback process, or as a result of progress reports, we will go through an internal problem-solving process to identify our shortfalls and document appropriate changes in either a Process Improvement Plan or a Corrective Action Plan. Process improvement plans will be used to document changes to established procedures that are not meeting expectations. Corrective action plans will be used when the problem is not the established procedures, but the execution of these procedures and policies. The first step in this process will be a root cause analysis. The Program Manager and Project Managers will research the issues with the appropriate technical leads to determine if the problem is systemic or simply a failure of execution of procedures and policies. Our senior managers will review the types and source of errors to determine if they indicate an error trend, which may require follow-up activities such as a topic specific training session, process improvement/documentation, or staff reassignment. Once the root cause is determined, solutions will be brainstormed. The Program Manager will meet with the Project Managers, and if necessary, the Principal-in-Charge to formulate the appropriate corrective course of action. The proposed action will be discussed with DPMC. Once a viable solution is selected, it will be implemented and the success/effectiveness of this solution will be monitored to assure the issue/problem has been completely resolved.

Formal process improvement/corrective action plans will be prepared to document and communicate these activities. These plans will be distributed internally to all URS Team members.

D. Quality Control/Project Oversight



URS' Quality Management Approach is founded in continual process improvement concept of PLAN, DO, CHECK, IMPROVE, and the empowerment of project staff at all levels of the project team. URS has a long-standing corporate culture that emphasizes our commitment to quality. We embrace the principles of ISO 9001:2008, and have applied them to all our major government contracts. For each project undertaken, corporate policy requires URS to:

While, Mr. Khoury has been designated as this program's QA/QC Manager, Mr. Sieber, our proposed Program Manager currently serves as the URS Clifton, NJ office Quality Officer, and will make sure the URS Quality Program and culture are part of this project.

- Develop a Project Specific Project Management Plan, which incorporates a Quality Assurance Plan that defines the project-specific quality standards and all processes at project inception.
- Adjust the Project Specific Plans, as necessary to incorporate delivery order-specific requirements, such as milestone reviews, to identify the need and resources for special technical reviews, and to establish delivery order specific QC schedules and budgets.
- Perform detailed checks of all computations and work using existing checklists established for our NFIP related work.
- Conduct Internal (before NSP) Independent Technical Reviews (IITR) to validate compliance with standards and processes to ensure defect-free deliverables.
- Conduct quality assurance audits on each project to ensure that quality assurance processes are being fully adhered to and that they are meeting the goals and objectives of both the client and URS.
- Apply metrics-based continual process improvement systems to meet or exceed all performance goals.

Quality Assurance is an integrated part of the URS culture with a robust Corporate Quality Assurance Manual and Program. URS' QA/QC program ensures the quality of all aspects of our work meets our clients' technical and contractual requirements and objectives. QA/QC of work items are performed in accordance with contract and delivery order-specific requirements and approved Project Specific QA/QC plan. The URS QC program includes the following elements:

- Quality Culture that emphasizes and follows a Continual Quality Improvement philosophy. The Principal-In-Charge will assist DPMC through formal and informal partnering concepts and in the review and improvement of all processes affected by the contract. Our Principal-in-Charge and Program Manager will meet with DPMC regularly to ensure that the project teams are meeting or exceeding expectations.
- A QA/QC organization staffed with experienced personnel, with reporting lines independent of the project structure to ensure an unbiased review of each work element. As part of our Internal Independent Technical Review (IITR) process, peer reviewers are assigned to each project based on their professional expertise and the nature of the work to be performed. IITRs are conducted in addition to detailed checking and play a somewhat different role in the QC process in that they are intended to verify overall contract and standards compliance and provide a broad review of technical approach as opposed validation of actual calculations which are the purview of detailed checking.
- A Corporate and Project-specific QA manual and standard operating procedures that contain comprehensive guidance to our technical staff on all aspects of a project and the QA/QC process.
- The URS Delivery Order-specific Project Management Plan, specifying the roles and responsibilities of each staff member assigned to the delivery order, budgeted hours, peer review procedures, schedules, communications procedures, and other project requirements. The Project Management Plan is updated as

necessary throughout the life of the project and has been used effectively to guide the QA/QC program on URS Federal projects. One component of this Project Management Plan is the QA/QC Plan.

- The management team will monitor contract performance and is dedicated to continual improvement by listening closely to the needs of our Client. To assist the management team in completing its mission and delivering high-quality services, each member has full access to and online training in the URS management and performance control systems.

In addition to ongoing quarterly review meetings throughout the contract and periodic "how are we doing" calls from our QC Director and management team, the final step in our Quality Management process is to obtain client feedback to enhance our continual improvement cycle. At least annually, DPMC will be solicited feedback regarding the performance of through our OCSS, which will include a brief questionnaire geared to illicit responses targeting project specific areas for potential improvement. The results of the questionnaire will be fed back to the project team as part of URS' continual improvement process.

Policies and procedures for conducting inspections and oversight of the work are included in the Construction Management section above.

E. Understanding and Knowledge of DPMC and NJDEP Procedures and Processes and Knowledge and Familiarity with FEMA and HUD Requirements

Understanding and Knowledge of DPMC and NJDEP Policies and Procedures

URS has held several past and ongoing contracts with the Division of Property Management and Construction (DPMC) for projects with the New Jersey Department of Environmental Protection (NJDEP) and are quite familiar with the contracting protocols, reporting procedures, invoicing processes and forms. Presently URS is performing on a similar DPMC/NJDEP Term Contract (Contract #P1066-00) entitled "TC-007 Floodplain Mapping Multiple Award Term Contract" in which we are performing surveying services, hydraulic and hydrologic services and preparing floodplain mapping depicting flood risk. This ongoing experience with a DPMC/NJDEP project demonstrates our experience with the agencies contracting procedures and the interrelationship between DPMC the State's contracting agent and NJDEP the contracts end user.

In 2013, NJDEP contracted URS to support the Superstorm Sandy HUD funded CDBG-DR Housing Recovery for New Jersey. NJDEP needed experienced consultants that could assist their agency in complying with HUD standards for environmental review in order to facilitate the distribution of HUD CDBG funds. The URS team has extensive knowledge of the HUD CDBG regulations NJDEP required, specifically those at 24 CFR Parts 55 and 58 and the NEPA requirements for environmental assessments. In this ongoing effort, the programmatic alternatives assessed by URS to date include the rehabilitation, elevation and/or demolition and reconstruction of over one thousand impacted residential homes, rental buildings and businesses within the disaster area. For this project, URS has created a very cost-efficient, technology driven process for environmental data collection and reviews that allows for easy audit by NJDEP, HUD and the state OIG; and through which URS has been able to support NJDEP in its disaster recovery mission in a rapid yet very cost effective way.

In addition, URS has had a continued presence in New Jersey since the early 1960's and has participated in the environmental programs since the days of the Clean Air Act (1970), Clean Water Act (1972) and the RCRA (1976) programs. In the State of New Jersey, URS has worked under the various site cleanup programs such as Environmental Cleanup Responsibility Act (ECRA) and subsequently the Industrial Site Recovery Act (ISRA). Our local environmental professionals, including eleven Licensed Site Remediation Professionals (LSRPs), have gained their expertise not only through our project work, but also through a long history of working with the New Jersey Department of Environmental Protection (NJDEP). URS is a leading firm in New Jersey for performing groundwater and soil remediation assessments

and obtaining NJDEP approval of remedial investigation work plans, remedial action workplans, and all associated permitting.

Knowledge and Familiarity with FEMA and HUD Requirements

URS offers exceptional depth and breadth of professional personnel available in-house with decades of environmental and historic review, housing recovery, CDBG, program implementation, PM/CM, and Stafford Act program knowledge. URS has proven performance supporting such large programs nationwide. In addition, the URS team offers immediately available and seasoned staff with unmatched knowledge of Federal and State requirements that will be able to meet DPMC's expectations. **Our team is composed of dedicated personnel, highlighted in Section 1, over 1,500 personnel located throughout our New Jersey offices, and a pool of 50,000+ surge personnel located across the country.** The URS Team is well organized, highly trained, and has the existing tools and management structure for success in executing this project for DPMC.

URS is extremely familiar with the procedural, technical and graphical specifications as defined by FEMA. This experience has been gained through working with four FEMA regions, including Region II, by supporting FEMA under multiple successive IDIQ contracts for over 18 years, and serving as FEMA's "go-to" provider of expert technical services nationwide. URS provides on-site and office based support to FEMA at all phases of the disaster lifecycle, from hazard mitigation planning, immediate response and recovery assistance support, to long-term post-disaster compliance support. Over the years URS has provided support to FEMA in over 185 disaster declarations through over 750 individual task orders. Also, since 1995, through multiple contracts worth over \$200 million, URS has been providing FIS and DFIRM development and production services to FEMA nationwide as part of the Map Modernization Program and now Risk MAP.

Regarding HUD, the URS team has a proven capability to rapidly develop and execute construction management processes that have been previously implemented, time tested, and met HUD approval. Our experience managing large scale housing programs, and proven program management processes are a testament to this statement. The URS Team has extensive and demonstrated experience in working collaboratively with other professional services contractors on large-scale Community Development Block Grant Disaster Recovery (CDBG-DR) programs. We offer DPMC outstanding credentials and direct relevant experience for CDBG-DR housing construction programs. Our qualifications, coupled with local experienced personnel and national experts, provide the assurance the URS Team brings the best in terms of local knowledge, expertise, and capacity. Our experience with disaster recovery housing programs after Hurricanes Katrina, Rita, Dolly, Ike, and Sandy allowed the URS Team to develop many of the operational themes that are recognized by HUD as best management practices (BMP). We understand the intensity and complexity of undertaking large-scale, scattered site construction programs, and have a well-developed program management process supported by key leaders with the experience needed to rapidly mobilize, plan, develop, and execute the DPMC Program. **For example, URS developed the CDBG environmental review process, which was adopted by HUD as the national standard, as part of the Mississippi Development Authority (MDA) program following Hurricane Katrina.**

"Being part of an unprecedented recovery effort required URS personnel at all levels to be flexible, fast and to work hand-in-hand with MDA to develop procedures and processes specific to the State of Mississippi's unique needs."

"...our relationship with URS continues as we administer almost \$1B in ongoing housing construction initiatives. We are poised to complete these tasks in a timely manner as well, thanks, in large measure, to the skills and professionalism of URS team members."

John Mabry - CIA, CBM, CISA
CFSA, Chief Operations Officer - MDA
Disaster Recovery Division

URS has the best expertise available within the consulting industry for FEMA/HUD CDBG-DR programs. Our national contracts with FEMA for Public Assistance, Individual Assistance, and Hazard Mitigation, along with our expertise in leveraging private capital sources, serve our clients well. Also we have the most comprehensive experience with HUD CDBG-DR programs with a proven history of outstanding performance on two of the largest disaster recovery housing

programs ever funded. The comprehensive services URS provided to previous projects extends from policy and program development in the early or pre-funding stage, all the way through construction and closeout of the projects. **Our work for the Mississippi Development Authority after Hurricane Katrina and the Texas General Land Office after Hurricane Ike demonstrates our history of successful performance.** URS helped pioneer these programs as we implemented new regulations and policies being developed to govern the program while simultaneously executing the task orders. We were at the forefront working directly with our clients and HUD to codify solutions that work not only in theory, but on the ground during project implementation.

Term Contract Rate Schedule by Personnel Levels

Attached please find the requested "TC-008 Term Contract Rate Schedule by Personnel" form. Please note that the average rate provided at the bottom of the attached rate form is a straight average of the seven rates provided and does not reflect a weighting of time charged that actually takes place when implementing a Work Order. Based on our experience with similar type jobs the actual rate is likely to be lower than the mathematical average.

**TC-008 TERM CONTRACT RATE SCHEDULE
BY PERSONNEL LEVEL**

NAME OF FIRM: URS ARCHITECTS/ENGINEERS, INC.

INSTRUCTIONS

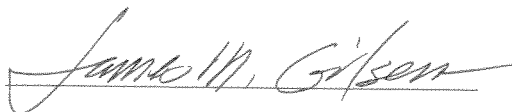
Provide a **LOADED** hourly rate (\$ per hour; no cents please) below for all **Personnel** included in each of the Levels listed. Please refer to the RFP for a description of each of the personnel types by level. Your proposal may be considered unresponsive if you leave blanks.

PERSONNEL TYPE/DISCIPLINE	TERM CONTRACT HOURLY RATES PER CONTRACT PERIOD		
	BASE (3 YEARS)	EXTENSION OPTION — YR 4	EXTENSION OPTION — YR 5
LEVEL 7	\$184	\$195	\$202
LEVEL 6	\$163	\$172	\$179
LEVEL 5	\$160	\$170	\$176
LEVEL 4	\$118	\$124	\$129
LEVEL 3	\$86	\$90	\$93
LEVEL 2	\$75	\$78	\$81
LEVEL 1	\$60	\$62	\$64
AVERAGE RATE (ALL LEVELS) Please calculate for Levels 7 -1	\$121	\$127	\$132

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 2 OF 3)

Authorized Signature: _____



TERM CONTRACT TC-008
DATE: 11/13

TC-008 PERSONNEL LEVELS with EXAMPLES

LEVEL 7

Title: Principal, partner or officer of the firm
Duties: Overall responsibility for the legal, technical and financial obligation of the firm.

Qualifications: Current License in applicable discipline, if required by law.
Experience: N/A

LEVEL 6

Title: Project Executive;
Duties: Under direct leadership of principal, controls project scheduling and management.

Qualifications: Current license in applicable discipline, if required by law.
Experience: N/A

LEVEL 5

Title: Project Manager; Discipline Manager;
Duties: Under direction of Project Executive, directs day-to-day operations of the project, scheduling deadlines, group work activities, etc.

Qualifications: BA, BS degree or equivalent experience; Current license in applicable discipline, if required by law.
Experience: Minimum 7 years.

LEVEL 4

Title: Senior Engineer; Senior Designer;
Duties: Under supervision of Project Manager, reviews project elements to conform to project requirements, directs designer and others on projects.

Qualifications: BA, BS degree or equivalent experience; Current license in applicable discipline, if required by law.
Experience: Minimum 5 years

LEVEL 3

Title: Discipline Engineer; Designer;
Duties: Under supervision performs basic engineering tasks, analysis or elements of project scope; Takes designed systems and layout data and sketches and translates into usable construction documents.

Qualifications: BA, BS degree or equivalent experience; including appropriate licenses and certifications if required.
Experience: Minimum 3 years

LEVEL 2

Title: Senior Technical Support; Senior CADD Operator/Draftsperson;
Duties: Oversees of the preparation of site maps, Takes simple systems and layout data and sketches and translates into usable information; Performs drafting as required for construction documents.

Qualifications: High School Graduate, Technical School, or equivalent, with courses in discipline.
Experience: Minimum 3 years direct work experience within discipline.

LEVEL 1

Title: Computer or CADD Draftsperson; Technician; Office Assistant
Duties: Performs all entry level tasks: Assembles tracings for review, printing; keeps logs of tracings, shop drawings; performs tracing, drafting and other technical tasks; performs various office functions.

Qualifications: High School Graduate, Technical School or equivalent with courses in discipline.
Experience: N/A

Consultant Affidavit

Included in this section is the signed and notarized Consultant Affidavit.

TC - 008
DEMOLITION CONSULTANT
MULTIPLE AWARD TERM CONTRACT

CONSULTANT AFFIDAVIT

IMPORTANT - PLEASE READ, SIGN AND PROVIDE INFORMATION REQUESTED BELOW

Affidavit: I, being duly sworn upon my oath, hereby represent and state the foregoing information contained in the Term contract Proposal and any attachments thereto the best of my knowledge are true and complete. I acknowledge that the State of New Jersey (Owner) is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the Owner, or its contractors, to notify the Owner in writing of any changes to the answers or information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreements(s) with the Owner and that the Owner, at its option, may declare any contract(s) or sub-contract(s) resulting from this certification void and unenforceable.

Signature of the Consultant below attests that the Consultant has read, understands and agrees to all terms, conditions and specifications set forth and referenced in the TC - 008 Term Contract Request for Proposal (RFP) including the General Conditions to the Demolition Consultant Term Contract TC-008. Signature of the Consultant signifies that a contract is established immediately upon notice of award by the State of New Jersey for any or all of the items and the length of time indicated in the proposal. Failure to accept a contract award, to hold prices or to meet any other terms or conditions as defined in the Request for Proposal and subsequently the Notice of Award, during the term of the contract, shall constitute a breach of contract and may result in termination, suspension or debarment from further contractual agreements with the Owner. ** Please note the attached edits/additions to Terms and Conditions.

Signature and Title of Principle or Individual of the firm authorized to sign contractual documents:

Firm Name:

Signature: James M. Gilsen Print Name: James M. Gilsenan

Title: Vice President Date: January 9, 2014

ATTESTED: Sworn and subscribed to before me on the 9 day of JANUARY, 1998.

Signature: Louise M. Roberson
(Notary Public, Not an Officer of the Firm)
LOUISE M. ROBERSON
Notary Public of New Jersey
My Commission Expires Sept. 10, 20 11

RETURN THIS COMPLETED DOCUMENT TO DPMC

(PAGE 1 OF 3)

Consultant Affidavit Terms and Conditions:

URS respectfully request that the following be added to the scope:

Consultant's performance shall not constitute an assumption by Consultant of the obligations of the Awarded Contractor, and Consultant shall not control or have charge of, and shall not be responsible for, construction/demolition means, methods, techniques, sequences, procedures of construction/demolition, health or safety programs, or precautions connected with the work of the Awarded Contractor. Consultant also shall not manage, control or otherwise have charge of construction/demolition performed by Awarded Contractor.

Insurance

- Section 27 1st paragraph, last line: insert "except for non-payment of premium" between "canceled" and "for any reason"
- Section 27. a.: change "COMPREHENSIVE" to "COMMERCIAL" in the 1st and 2nd lines
- Section 27. a. 1st sentence: delete "which shall not be circumscribed by any endorsements limiting the breadth of coverage"
- Section 27. a. 2nd sentence: replace "an endorsement" with "coverage" in all 3 places where it shows up
- Section 27. a., 3rd sentence: insert "or \$2,000,000 combined single limit per occurrence for bodily injury and property damage combined"
- Section 27. b.: delete "Comprehensive" in both places
- Section 27. b.: insert "or \$2,000,000 combined single limit each accident for bodily injury and property damage combined"



State of New Jersey

DEPARTMENT OF TREASURY
DIVISION OF PROPERTY MANAGEMENT & CONSTRUCTION
P O BOX 034
TRENTON NJ 08625-0034

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

ANDREW P. SIDAMON-ERISTOFF
State Treasurer

STEVEN SUTKIN
Director

DATE: December 20, 2013

TO: KS Engineers
Environmental Resolutions
Dewberry
The RBA Group
The Louis Berger Group
Maser Consulting
Naik Consulting Group
Greenman Pedersen
Van Cleef Engineering Assoc.
CDM Smith
Omiland Engineering Assoc.
Richard A. Alaimo Assoc.

SJH Engineering
LAN Associates
Van Note-Harvey Associates
Langan Engineering & Env. Svcs.
Maitra Associates
URS Architects/Engineers
Hatch Mott MacDonald
Jarmel Kizel Architects and Engineers
McNally Engineering
Distinct Engineering Solutions
Liro Engineers
STV, Inc.

FROM: Richard M. Ferrara, Assistant Deputy Director
Contracts & Procurement Unit

SUBJECT: Addendum "A" dated December 20, 2013
Project P1103-00, Demolition Consultant Multiple Award (TC-008)

Enclosed is the above referenced addendum. All competing firms shall acknowledge receipt by returning this form to:

Division of Property Management & Construction
Contracts and Procurement Unit
Attention: Catherine Douglass
P.O. Box 034, Trenton, NJ 08625-0034
Fax #: (609) 777-1970
Email: catherine.douglass@treas.state.nj.us

12/30/13

Date Received

URS Corporation

Firm Name

1255 Broad Street, Clifton, NJ 07013

Address

Signature

Sr. Project Manager

Title