

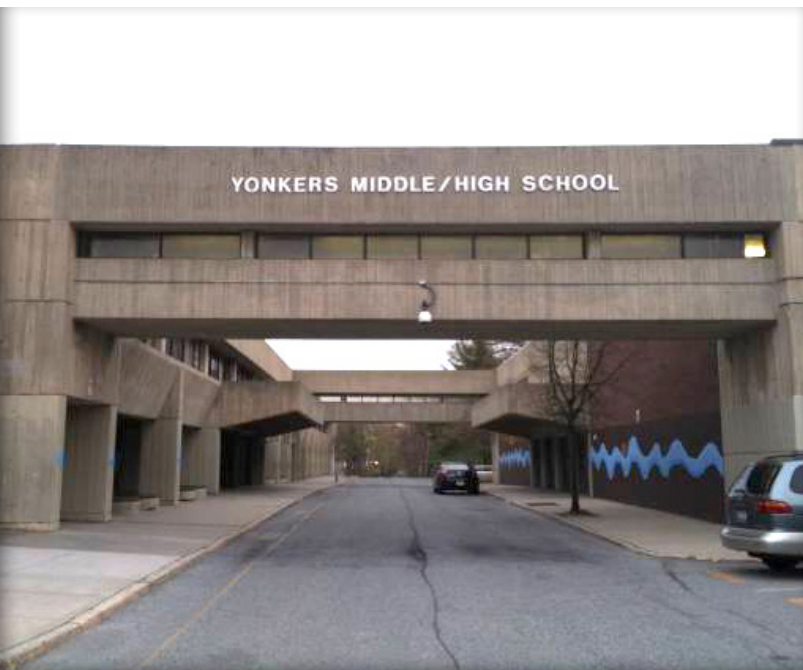


PROPOSAL FOR

RFP No. 420-22-01

2022 AHERA RE-INSPECTION REPORT AND PERIODIC SURVEILLANCE & ASBESOTS MANAGMENT PLAN UPDATES

February 11, 2022



submitted by:

LiRo Engineers, Inc.
A LiRo Group Company

submitted to:





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Experience and Qualifications of the Firm

1

LiRo Engineers, Inc. (LiRo) is well known to Yonkers Public Schools. We assisted the District with both the 2016 and 2019 AHERA Triennial Reinspection efforts, and have been providing continuous asbestos, lead paint and mold assessment services to Yonkers Public Schools since 2016. Throughout that time, we have demonstrated our commitment to providing both the best management team and a reliable technical staff of investigators, assessors, and project monitors, who have substantial direct experience with school facility projects. We have also played a direct role in preparing and submitting applications to the New York State Education Department Office of Facility Planning. This was done on multiple occasions in connection with emergency asbestos abatement, as well as for capital improvement projects.



We have been successful in providing similarly tailored environmental and hazardous materials consulting services to numerous New York City and New York State public agencies since 1998. Our focus for these services has been code compliance relating to asbestos, lead based paint (LBP), mold, and PCB hazards in public occupied facilities. Our success in providing unrivaled consulting services is made manifest by numerous repeat awards or extensions to existing on-call contracts.

LiRo is a New York licensed professional engineering and architectural firm with expertise in environmental consulting projects. LiRo is also licensed by the New York State Department of Labor (NYSDOL) and United State Environmental Protection Agency (USEPA) for asbestos and lead paint projects. We have in-house staff with the requisite certifications to perform and complete all of the services required for this 2022 AHERA work.

LiRo projects have included schools, academic centers, dormitories, courthouses, hospitals, residential facilities, industrial facilities, municipal incinerators, parks, subway stations, bus depots, rail stations, and commercial office buildings. Our extensive experience with contracts with public sector agencies have provided the project team with the ability to respond effectively to the needs of these contracts. Clients for which LiRo has held on-call or term-based contracts for environmental consulting services, include:

- City of Yonkers/Yonkers Public Schools
- New York City School Construction Authority (SCA)
- Island Trees Union Free School District
- Trust for Governors Island
- Governors Office of Storm Recovery
- Consolidated Edison of New York
- New York Power Authority
- New York City Health and Hospitals Corporation
- New York City Department of Design and Construction
- Dormitory Authority State of New York
- MTA New York City Transit (NYCT)
- New York State Department of General Services
- New York City Department of Environmental Protection (DEP)
- New York City Department of Sanitation (DOS)
- New York State Department of Parks, Recreation, and Historic Preservation



- The Port Authority of New York and New Jersey (PANYNJ)
- New York City Economic Development Corporation
- Triborough Bridge and Tunnel Authority

LiRo believes that our direct experience with Yonkers Public School facilities including the completion of previous AHERA Re-Inspections and subsequent 6-month periodic surveillances, our experience on similar environmental contracts servicing school facilities, and our management approach will ensure a successful completion of the project assignments under this contract.

In addition to these relevant attributes, and probably most unique among our competition, is that LiRo can also provide the District with a highly diversified compliment of professional services, including construction management, engineering, environmental, contingent staffing, and architectural services.

In evaluating our capabilities consider the following:

- LiRo possesses a proven record of outstanding performance with both the City of Yonkers and Yonkers Public Schools
- The same Team of professionals who will be working on this City of Yonkers/Yonkers Public Schools contract has direct experience with the previous AHERA triennial re-inspection efforts
- LiRo has environmental and hazardous material programs which are currently in place for public agency contracts and can be further tailored to the specific requirements and needs of the Yonkers Public Schools; these include programs with a large portfolio of school facilities such as the New York City School Construction Authority and Island Tress Union Free School District

LiRo is pleased to have the opportunity to present this proposal for professional environmental consulting services for the School Facilities Management Department and looks forward to being considered for selection to provide these services.



References

We attribute our success to our ability to work as an extension of our client's staff and to be continuously mindful of our clients' goals for which we have been tasked to support. This approach enables LiRo to recognize any potential problems which may arise during the course of a project. It also ensures that the key members of our client's staff are informed of the steps that LiRo will take to address any problems.

As requested in the RFP, provided below are detailed descriptions and references for similar projects which illustrate our experience and expertise in providing professional environmental consulting services required for this City of Yonkers contract.



City of Yonkers Professional Asbestos Services/Yonkers Public Schools: Survey, Design, Project/Air Monitoring and Sample Analysis (\$250,000.00)

References: Mr. John Carr, PE, 914-376-8008

Dates of Service: 2014 – Present

Value: \$500,000

Under contract since July 2014, LiRo has performed a variety of environmental consulting services for The City of Yonkers:

- Provided 2016 and 2019 AHERA Re-Inspection and Asbestos
 - Management Plan services and performed initial round of 6-month periodic surveillance at all school facilities
 - Provided asbestos survey and design consulting services on an as-needed basis for public properties throughout the City of Yonkers
- Design and Construction Documents for Hazmat and HVAC System Upgrades at Saunders Trades & Technical High School and the Yonkers Middle High School
- Performed inspection and remediation design in connection with emergency crawlspace steam system repairs at Yonkers Public School 21 and Lincoln High School; prepared bid documents, conducted pre-bid meetings and review of bids
- Performed asbestos inspection and monitoring at various Yonkers Public School facilities on a call-in since 2016
- Provided 3rd party oversight and subject matter expertise relating to the emergency mold remediation project at Public School 15; assisted with Town Hall meetings and open –house events prior to the re-opening of the school
- Prepared biddable documents including drawings and specifications for the removal and re-insulation of thermal system friable asbestos material located in occupied spaces and utility crawlspaces throughout the district
- Conducted Asbestos-Awareness and Mold Awareness training for Yonkers Public School facility maintenance staff
- Prepared and submitted documents to New York State Education Department Office of Facilities in connection with multiple phases of emergency abatement work at Yonkers Public School 21 and Lincoln High School
- Coordinated with facility personnel and conducted scope specific inspections at Police Precincts 1, 2, 3, and 4
- Coordinated with facility personnel and conducted scope specific inspections at multiple fire stations including Engine 1, Engine 10 and Engine 12
- Performed indoor air quality testing for Yonkers City Hall





New York City School Construction Authority Environmental Consulting Services, City-wide, New York City

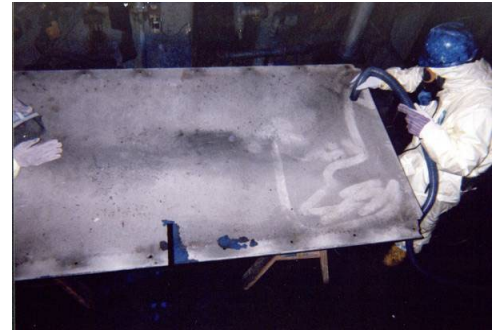
Reference: Mr. Chad Ondrusek, 718-752-5249

Dates of Service: 2004-Present

Value: \$20000,000 (6 asbestos service contracts)

Services Provided:

Under contract since April 2004, over **3,500** proceed orders have been executed for scope specific school survey, design, and abatement monitoring in connection with ACM, LBP, mold and PCB contaminants. LiRo worked with SCA Industrial and Environmental Hygiene Department to help develop hazardous materials testing protocols and abatement specifications particularly as they overlap with ACM concerns. LiRo also provides disinfection and water quality testing design and oversight services to the SCA for new potable water installations at New York City schools.



LiRo works with numerous architectural firms to interpret the renovation plans, determine the areas of impact at each school, and evaluate the extent of the proposed renovations which typically include light replacement, partition demolition and reconstruction, flooring replacement, radiator and electrical upgrades and re-locations, public address system upgrades, fire alarm system upgrades, window replacements, and roof/façade rehabilitations. Following the scoping phase, LiRo conducted thorough inspections to identify asbestos-containing materials (ACM) affected by the renovation plans; the inspection effort included research and review of records for past projects at the facility, site visits coordinated with SCA and school personnel through which visual inspections and assessments of suspect ACM were made, and collection and analysis of material bulk samples in accordance with SCA protocols. We have conducted pre-probe and post-probe inspections, the latter requiring coordination with architects to map the locations and number of probes.

All final survey reports are provided to the SCA using the pre-approved format which included summaries of the project scope, tabulated summaries of the inspection and sampling results, drawings identifying the location of bulk samples and ACM. Under a separate cover, LiRo provides design services through the generation of specifications and removal plans which identify the protocols to be followed for the abatement of targeted ACM that needed to be addressed before the proposed room conversions and area upgrades could take place.

During the construction phase, LiRo provides project monitoring during asbestos abatement at multiple sites, simultaneously. This effort is coordinated with the SCA IEH specialists and, in many cases, directly with the SCA project officers and general contractors. Air testing is performed to comply with both New York State and federal AHERA regulations. Often clearance air testing results are provided within 4 hours of the sample collection. LiRo Project Monitors oversee the breakdown of containments and contractor demobilization to confirm the site is ready to be restored for public use. Subsequent to the abatement, LiRo monitors complete ACP 15 with the New York City DEP via the Asbestos Reporting and Tracking System (ARTS) to close out the abatement project and enable general contractors to obtain New York City Department of Building permits. Final abatement reports are prepared for each individual abatement project. The reports present copies of all pertinent records associated with the abatement including project filings, re-occupancy letters, air testing results, daily field logs, daily quantity verification forms, waste manifest tracking logs, correspondence with the SCA, and a summary of the quantity and locations of ACM abatement.



Dormitory Authority of the State of New York Asbestos/Environmental Consulting Services, State-wide, New York

Reference: Mr. Christopher Alonge, P.E., 212-273-5000

Dates of Service: 2010-Present

Value: \$9,000,000 (4 service contracts)

Services Provided:

In support of Dormitory Authority of the State of New York (DASNY) construction, facility modernization, and maintenance activities, LiRo has completed approximately over 400 projects with fees totaling nearly \$9,000,000 under three consecutive on-call contracts. LiRo provided environmental consulting services for the DASNY in their managed properties throughout New York State. These services included site inspections to identify and evaluate the impact of any existing hazardous materials, universal wastes, lead based paint, and asbestos containing materials, design services to generate site specific abatement specifications and removal drawings, abatement project management, and school and public project monitoring and air testing during abatement for school and public buildings. Through this DASNY contract, we provided project management, permitting assistance, and remediation monitoring for asbestos and petroleum product remediation in connection with the installation of emergency power generators.



LiRo has generated substantial remediation design packages for DASNY renovation projects that include scope specific bid documents, site specific variances to New York State Department of Labor, and precise removal plans that detail the location of decontamination units, calculations for required negative air filtration units, pathways to/from the work areas, sources of temporary water and power, waste storage areas, and overall project phasing.

For all remediation projects, we act as representative for their Code Administrators by reviewing site specific pre-abatement work plans, evaluating project budgets and work schedules, and coordinate with site construction managers, contractors, and other DASNY officers. Our on-site project monitors enforce compliance with the project work plan and all applicable regulations; we often act as waste liaisons by coordinating with contractors and overseeing the collection of waste in accordance with unique DASNY procedures. At the conclusion of all abatements, LiRo generates a close out report for the oversight and air monitoring effort but also reviews the close out report prepared by the abatement contractor that compiles his project related documentation.

High profile projects that we have been completed under this contract include: Thomas Hunter Hall at Hunter College where ACM and LBP were complex issues associated with the refurbishment of 12' mahogany window assemblies, and Bronx Family Criminal Courthouse where ICR 56 protocols had to be reconciled with NYC Title 15 Chapter 1 protocols and new ATRU requirements.

Under these contracts, comprehensive environmental investigation, remediation designs and abatement oversight services were provided at numerous public facilities including Lehman College, Queens College, Borough of Manhattan Community College, College of Staten Island, Medgar Evers College, Pilgrim State Psychiatric Center, Stony Brook University Cancer Care Center, .Bellevue Hospital Center, Elmhurst Hospital Center and Harlem Hospital Center.



New York City Health + Hospitals Corporation Asbestos and Lead Planning Services, State-wide, New York

Reference: Ms. Tamika Campbell, Director of Facility Development, 646-772-3139

Dates of Service: 2008-Present

Value: \$4,000,000 (4 service contracts)

Services Provided:

LiRo Engineers has been under contract with the New York City Health and Hospitals Corporation since 2008. During the past 14 years, we have successfully completed over 300 environmental inspection, asbestos, lead paint, and air quality projects at numerous facilities.



Our most recent on-call contract has seen our services expand from primarily asbestos, lead paint, and mold hazard assessments. Including design of sump replacements for underground storage tanks (Bellevue Hospital), indoor air quality testing (Lincoln Hospital), and retrofitting of HVAC equipment to install silencers (Gouverneur Hospital).

Following the flood event in New York City on October 29, 2012, LiRo mobilized management and technical staff to assist immediately in the assessment of flood water and related mold conditions at Bellevue Hospital and Coney Island Hospital. Similarly, we provided emergency asbestos abatement planning and monitoring at Coler Memorial Hospital and Coney Island Hospital. For several months, LiRo maintained full-time industrial hygiene services at Bellevue Hospital where we performed daily asbestos and airborne mold testing in and around the sanitizing work in the cellar. We also performed testing of domestic drinking water in each building/department within the Hospital Center as it was being readied for re-opening.

One of our largest projects for HHC was performed in connection with the roof and façade restoration of Buildings A, B, and C at Kings County Hospital Center. LiRo senior management worked closely with the Director of Capital Construction and the projects Construction Managers to re-define the scope of abatement work as a result of the discovery of concealed asbestos containing materials. In addition to supplemental investigation services, LiRo also revised design plans and assisted in obtaining site specific variances from the New York City Department of Environmental Protection (DEP). Subsequently during abatement, LiRo management participated in weekly progress meetings in order to maintain communication with the key project members and provide input on look-ahead scheduling. Our asbestos project monitors conducted daily air testing, visual inspections of work areas, waste tracking, and verification of contractor compliance with contract specifications and code rule requirements.

We have also executed many smaller asbestos abatement projects and site inspections for HHC associated with localized impact to buildings systems requiring repair or maintenance. Further, LiRo has performed environmental inspections and abatement monitoring at Lincoln Hospital, Harlem Hospital, and Elmhurst Hospital. As well as full air quality and respirable dust testing for the new HHC office site at 160 Water Street. LiRo has provided environmental services for Title 5 air monitoring and NYSDEC mandated groundwater monitoring associated with USTs at the Coler Memorial Hospital and (former) Goldwater Memorial Hospital on Roosevelt Island.



MTA New York City Transit Asbestos, Lead & Comprehensive Environmental Services, Throughout NYC

Reference: Mr. Thomas Abdallah, 646-252-3500

Dates of Service: 1997-Present

Value: \$30,000,000 (5 consecutive contracts)

Services Provided:

The NYCT program has been utilized to address asbestos and lead paint removal/control at over 400 project sites in the five boroughs. These programs included provisions such as: asbestos/lead testing, design, monitoring, construction inspection, air sampling services, and comprehensive environmental services site inspection procedures, site survey procedures, standardized abatement specifications and drawings and project monitoring/reporting procedures. This NYCT asbestos program was used to support facility improvement work such as the replacement of electrical systems, escalator and elevator equipment, roofs, windows, heating equipment and fire alarm systems. The program is also used to support complete facility renovation projects. These services have been performed in a wide variety of settings including subway stations, storage buildings, electrical substations, tunnels, administrative buildings, etc. All services are provided in accordance with federal, state, and local regulations.



LiRo has established a standard approach for providing asbestos survey services to ensure that projects are completed on time and within the budget allocated for each site. The Asbestos Survey phase is initiated with a review of facility building records and a site walk-through by our certified (by USEPA and state agencies) inspectors to accurately identify the scope of the subsequent survey. The certified inspectors then map the location of all suspected asbestos containing material (ACM) at the site, classify the materials into homogeneous groups as appropriate, and collect representative samples at a frequency compliant with all regulatory requirements for analysis at an accredited laboratory. Laboratory results are received within 24 hours of field sampling and summarized by LiRo in a survey report which details the location and results of all sample points, the location of all ACM present at the subject property, an estimate of the quantity of each ACM identified, and a preliminary cost estimate for asbestos abatement at the subject property.

LiRo provides construction inspection and air monitoring services for sites where asbestos abatement is being conducted. These activities are also conducted in accordance with all applicable regulations. Project completion and site compliance is documented in a report containing sample results, project contractor submittals, inspection reports and photographs. LiRo has distinguished itself on monitoring/inspection projects by reacting to short notice (sometimes less than 24 hours) for job start-up and for off-hour work schedules to avoid interference with required NYCT operations.

LiRo provides asbestos remediation design services to provide cost-effective remediation solutions for subject properties as requested by NYCT. Design services include, cost estimating, specification writing, bid document preparation, submittal review, inspection, and variance preparation. LiRo also provides lead inspection service for the abatement of lead in facilities and on steel structures under this contract. LiRo has provided NYCT with over 50,000 hours of lead disturbance monitoring since 2001 for projects involving a wide variety of remediation measures including needle gun scaling, wet scraping, chemical removal, and abrasive blasting. LiRo's team personnel are SSPC certified and/or EPA licensed to provide inspection and monitoring services for these projects. All federal and state requirements are adhered to including blood testing, hygiene facilities, hazardous waste storage requirements, and respirators and other monitoring techniques.



Island Trees Union Free School District Asbestos Inspection, Monitoring and AHERA Services

Reference: Mr. Kenneth McLean, Director of Facilities

Dates of Service: 2016 – Present

Value: \$250,000

Services Provided:

LiRo provided asbestos abatement inspection and monitoring services at various school facilities in connection with capital improvement work. Coordinated work associated with these project efforts with project architects, contractors, and school facility managers. All schools in the district were impacted by these capital projects.

Additionally, we performed AHERA triennial re-inspection and periodic surveillance work at all schools including:

- Island Trees High School,
- Middle School,
- Sparkes Public School,
- Stokes Public School and
- Karopczyc Administration Building.





Experience and Qualifications of Individuals, Team 2

Contract Services

Unlike most of our competitors in the region, LiRo maintains a large full-time staff of certified, cross-trained technical personnel with experience in providing investigation, design and monitoring services. We also have a large management team that has worked almost exclusively for public agency client's contracts and know how critical our work is for active public facilities, particularly school buildings. We recognize that under this Yonkers Public Schools (YPS) project, the scope of work will include:

- AHERA Triennial Asbestos Re-Inspections and Reporting
- Preparation of Updated Asbestos Management Plan
- Sampling, Testing as requested
- Six Month Surveillance
- Surveillance Training
- Preparation of Bid Sheets containing ACM identified in the re-inspection as requiring response

LiRo can and has provided immediate response to any situation with both high level management and subject matter professionals. We have the project management personnel and technical staff with experience to efficiently staff jobs, provide quality work products and maintain close coordination between the District program managers and the facility operations staff. We also have technical experts with highly developed ability to communicate to YPS, the public and code enforcement officers as required.

LiRo is a New York State headquartered firm which employs over 800 people company-wide. We maintain one of New York's largest in-house full-time staff of asbestos and lead hazard professionals consisting of nearly 100 full-time environmental specialists who are fully qualified to provide a complete range of comprehensive environmental consulting services. We routinely provide consulting services relating to the identification, control, and abatement of mold, toxic substances, airborne contaminants, asbestos, lead based paint and other hazardous materials in a wide variety of settings. LiRo's experienced staff of environmental professionals includes industrial hygienists, engineers, geologists, NYSDOL asbestos inspectors/monitors/designers/management planners/air sampling technicians, and US EPA/SSPC certified lead paint competent personnel trained to provide a complete program of hazardous material management services. LiRo also offers a group of hazardous materials experts, indoor air quality (IAQ) specialists and remediation specialists to address other environmental issues associated with demolition, rehabilitation, renovation, and construction projects.

AHERA Triennial Asbestos Re-Inspections

Our NYS DOL licensed inspectors possess all of the training needed to conduct inspections in school facilities. They also come prepared with any equipment necessary to facilitate the investigation. In terms specific to the AHERA Triennial Re-Inspections, our inspectors will review the existing AHERA inspection report along with any triennial reports and findings from the most recent 6 month periodic surveillance. Christopher Zaroni, managed the 2016 and 2019 AHERA Re-Inspection program for Yonkers Public Schools and is intimately familiar with the various AHERA forms and submittals to New York State and EPA. As part of the effort to identify, quantify, and assess the condition of suspect asbestos containing materials (ACM), material observed by the inspection team to be in significantly damaged condition, or slightly damaged material in the vicinity of a sensitive receptor will be reported to the appropriate representative from the Yonkers Public Schools along with recommended corrective actions.



All suspect ACM will be that has not be assessed previously will be sampled in accordance with 40 CFR 763 guidelines and 12 NYYCRR Part 56, and submitted to the NYS DOH accredited laboratory for analysis using the Polarized Light Microscopy method. In the event that bulk samples test results from non-friable organically bound materials analyzed by PLM are inconclusive, subsequently those samples will be analyzed by Transmission Electron Microscopy. All bulk samples will be collected and submitted for analysis according to homogenous area with each sample given a unique identification number.

At the conclusion of the field inspection, the 2022 Triennial Re-Inspection Report will be compiled along with the 2022 Asbestos Management Plan. Subsequent 6 month periodic surveillances will be conducted at the direction of Yonkers Public Schools.

Training

Our in-house Certified Industrial Hygienist and licensed “train the trainer”, Mr. Michael Byrnes, will provide City of Yonkers/Yonkers Public Schools (YPS) personnel with asbestos awareness training, OSHA training relating to safety and hazardous materials, and training related to the 6-month periodic surveillance program, as requested. He has provided both asbestos awareness and mold awareness & response training to YPS in the past 30 months.

Management and Work Force Organization

The team members identified in this section are thoroughly familiar with the environmental issues that will be applicable to this City of Yonkers/Yonkers Public Schools contract. The entire LiRo Management Team is experienced in the planning and implementation of school and public agency environmental programs. Having an in-house staff of nearly 100 full-time environmental specialists, we feel we are ideally suited to provide the services required for this contract in a manner that recognizes the nature of your facilities and respects the need for you to maintain services in a safe environment.

Our management approach for this project consists of an overall Project Manager who is supported by an environmental team that is currently working with Yonkers Public Schools with the experience necessary to address the AHERA inspection and reporting requirements of this contract. The organization for this project incorporates all the required disciplines to plan, manage, and execute the work in a technically precise, efficient and safe manner. Thus, the planning team is also the execution team, with scope, schedule and budget at the forefront. Complete health and safety requirements are automatically built into the project planning and understood by the workers. The following are what we believe to be the key requirements of this contract:

- A central point of contact, with Yonkers Public Schools experience, to coordinate all staffing, proposals, and correspondence for initiating assignments and finalizing design documents. Mr. Zanoni will serve at the Associate title required by the contract and will coordinate all activities as the contracts General Manager. Mr. Zanoni has total authority over the project management and technical staff who are ultimately accountable to him for this contract.
- Christopher Carnahan will serve as the day to day Program Manager who coordinate field activities, review inspection data, and work with our Management Planners to update the triennial inspection reports and Asbestos Management Plan.
- A technical support staff that has direct experience with Yonkers Public Schools and has worked extensively on school and public agency projects, produced similar deliverables as will be required by this contract and have the knowledge and experience to maintain quality control and documents in accordance with regulatory methods and procedures.



- The availability of a large pool of experienced, certified personnel with experience to match the requirements requested by the City of Yonkers/Yonkers Public Schools.

This organizational structure will allow for direct lines of communication between our Point of Contact, key team members, and the City to allow for rapid response to any project task order assignment. Our goal is to provide a seamless unit in which the LiRo personnel function as an extension of our client's staff without additional layers of management. This goal is achieved by placing management and coordination responsibilities with the Project Manager and supported by strong technical staff who are experienced in each respective project assignment. This overall management approach allows us to add staff to manage multiple task orders without impacting any ongoing work from initial assignments.

Our Project Manager will maintain continuous communication with the YPS management to forecast upcoming workload, utilize the resource leveling tool to account for current and projected work load, and through work load resource leveling practices, see that every task is properly staffed matching the qualified staff with the project/task requirements.

Brief descriptions of this team's qualification and an organization chart for LiRo's proposed team follows. Detailed resumes for LiRo's key personnel are provided in the attachments to this proposal.

Peter Gerbasi, PE, Project Principal. Mr. Gerbasi is a LiRo Vice President and has over 35 years of highly diversified environmental consulting, hazardous waste, remediation, public building, municipal infrastructure, and parks project experience. Mr. Gerbasi is the Principal on the current City of Yonkers asbestos consulting services contract. His experience includes serving as the program director for several public agency contracts, such as NYCSCA, DASNY, SUCF, NYPA and the project engineer on Rye City School District, Nanuet Union Free School District and the management of these same multi-facility term contract programs on a large-scale for private industry and for government agencies. He was formerly a Deputy County Executive for Nassau County Public Works overseeing an operating budget of \$250 million per year and in excess of \$100 million per year in capital construction. He was specifically responsible for all environmental activities within public facilities as part of the management of the County's 800 buildings. All of his experience serving both the public and private sectors is directly applicable to this project. His breadth of experience includes extensive involvement in multi-disciplined elements of environmental work - his involvement ranges from hands-on field work and investigations, through design of construction and operation projects.

Christopher Zanoni, will serve as the contracts **Associate** level Point of Contract. He has over 30 years of environmental engineering and industrial hygiene experience. Mr. Zanoni is the point of contact on the current Yonkers Public Schools contract. He has been largely dedicated to contract and project management for all of our On-Call service contracts with public agencies including City of Yonkers, NYC SCA, Nanuet Public School District, Rye Public School District School District, NYC Health and Hospitals Corporation, DASNY, and NYCT. Mr. Zanoni has functioned in this exact role in overseeing the 2016 YPS AHERA Re-inspection effort, as well as those similar contracts with New York City Department of Education. Mr. Zanoni also has extensive Senior Author and QA experience related to asbestos inspections and monitoring reports, environmental site assessments, and IAQ services. Mr. Zanoni has a strong understanding of the work flow requirements, document controls, and field safety measures, and administrative project requirements under on-call contract systems along with the technical expertise required to ensure that the product we are providing our clients satisfies prevailing regulations and any unique client requirements. Mr. Zanoni will oversee daily operations so that schedules are met, staffing is provided and client satisfaction is maintained.

Christopher Carnahan, Program Manager, has over 30 years of industry experience much of which has been with the NYC School Construction Authority IEH division and Island Tress Union Free School District. He has been involved in every type of project involving asbestos, lead paint, mold, and bulk PCB, including Capital



Improvement survey/designs, PO18 survey/monitoring, Capital Improvement monitoring and Mentor Program monitoring. In the execution of his project management duties under SCA contracts present and past, he has coordinated field schedules with abatement contractors, performed quality control inspections of active abatement projects, provided emergency post-Hurricane Sandy support, prepared re-occupancy letters and comprehensive close out reports, attended project scope meetings, protocol meetings, review contractor payments, review contractor change order requests and prepare final report compilation and completion of invoicing requirements. He has worked in conjunction with our inspection team in reviewing renovation scope documents and performing QC of the field inspection data for ACM, LBP and IAQ.



Michael Byrnes, CIH, CSP, Health & Safety Officer, Employee Training has over 30 years of experience in developing environmental sampling plans, air monitoring plans; establishing worker protection and medical surveillance requirements and employee training. Mr. Byrnes will also provide leadership and support for this program in the areas of asbestos services and if needed, lead-based paint and IAQ assignments. His experience includes numerous project assignments throughout NYC including the Bronx Lebanon Hospital, where he served as an OSHA Operation and Maintenance Compliance Officer for asbestos related issues. He also served as the professional for the DASNY deconstruction of Fitterman Hall adjacent to the WTC reconstruction area. He has performed asbestos management planning services and operation/maintenance services for hundreds of projects involving asbestos control and removal in sensitive environments (i.e. hospitals and schools).

Rosemarie Salerno, Asbestos Inspector and Designer, has performed and managed asbestos, LBP, mold, and IAQ investigations as a consultant to PK-12 school and higher-Ed clients for most of the past decade. She has developed a clear understanding for the protocols and knowledge of school facilities and field conditions that warrant exploration and assessment. She has the rare ability to perform the field investigations and subsequently compile concise, professional quality findings reports complete with cost estimates and recommendations for addressing any discovered hazards. She is licensed by the NYSDOL and NYCDEP to perform asbestos inspection work in those jurisdictions. She is also licensed by EPA as a Lead Paint Inspector/Risk Assessor and has conducted many large investigations for DASNY, NYSCA, SUNY Stony Brook and an assortment of private property owners. She has a thorough knowledge of the field inspection protocols and reporting requirements

Daniel Orlic, Asbestos Inspector and Management Planner, has over 20 years of industry experience including a major role in the 2016 YPS AHERA Re-Inspection effort. He has been involved in every type of project involving asbestos, lead paint, mold, universal wastes, and bulk PCB. Mr. Orlic has developed a strong understanding of the management of environmental projects in active facilities over the past 10 years and knows fully well the expectations and demands of the program. In the execution of his project management, he has coordinated field schedules with field inspectors and facility managers, performed quality control inspections of active abatement projects, prepared inspection/survey reports, design documents, and abatement cost estimates. Mr. Orlic has also managed our asbestos inspection, design, and remediation monitoring program with the NYC School Construction Authority.

Full Time Support Staff

LiRo maintains one of the largest full-time professional industrial hygiene staff in Long Island. The staff available to serve on this contract possess an impressive experience with schools and educational facilities and in the environmental regulatory compliance field in general. Our management and technical staff share



in the company's commitment to supporting the service goals of our clients and providing project deliverables and field representation that is unrivaled. Our key staff is listed on the following pages with brief descriptions of their qualifications and contribution to the team.

Chukwunonyerem Chuks-Okoh, NYC Asbestos Investigator, EPA Inspector/Risk Assessor, is a NYSDOL Investigator/NYCDEP Inspector as well as a USEPA Lead Inspector with over 15 years of asbestos survey, monitoring and lead experience in New York City. His experience has included the New York Metropolitan area and parts of New Jersey with a focus on Transit and other municipal related facilities. His areas of expertise include investigation, design, estimating and remediation monitoring of environmental hazards (asbestos, lead, Polychlorinated biphenyls (PCB), indoor air quality (IAQ), underground storage tanks (USTs), etc.), as well as construction safety in an area of extensive regulatory oversight. Mr. Chuks-Okoh has extensive knowledge of environmental regulations throughout New York City.

Maher Abraham, NYC Asbestos Investigator, Asbestos Inspector, is a NYCDEP Investigator working on SCA projects for 10 years including the last two years with LiRo. From that experience he is familiar with every type of renovation and capital improvement projects conducted for IEH clients, and is knowledgeable of the unique conditions at NYC public school facilities as they relate to the use of ACM has been conducting investigations asbestos and PCB for IEH under our current on-call contract. He has conducted similar investigations at university facilities as part of our contract with the Dormitory Authority (DASNY). He is a licensed NYC DEP Asbestos Investigator and has prepared the IEH formatted inspection/design reports for over 500 school facilities in his professional experience.

Floyd Sus, NYC Asbestos Investigator, Asbestos Inspector, Asbestos Project Monitor, has been performing asbestos inspection and project monitoring for private clients in the downstate New York area for the past 10 years. He is thoroughly familiar with New York State survey and abatement protocols. He has performed AHERA triennial re-inspections and six month periodic surveillances for the Yonkers Public Schools and has strong report preparation skills that can be brought to bear on this contract.

Sophia Waxenburg Asbestos Inspector, worked on the 2019 AHERA effort for YPS and was integral in the scoping, inspection, and design Bid Document preparation for the district-wide abatement of damaged friable ACM; She has 5 years of experience providing asbestos inspections on various facilities including New York City K-12 schools and various substation and support facilities for Consolidated Edison She is also our in-house expert on ASTM compliant Phase 1 Site Assessments and oversight of the Storm Water Pollution Prevention Plan specific to individual construction sites.

Sean Murray Asbestos Inspector, Asbestos Project Monitor, NYS DOL Mold Assessor has supervised hundreds of abatement projects and also performed asbestos/mold surveys on numerous properties both for private and public sector clients. As a Project Monitor he has supported abatement operations for asbestos and mold abatement programs for various agencies and private client including New York City School Construction Authority, Dormitory Authority of the State of New York, New York City Housing Authority the New York City Health and Hospitals Corporation. He has performed mold assessments at numerous university and public health facilities included CCNY City College and Pilgrim Psychiatric Center.

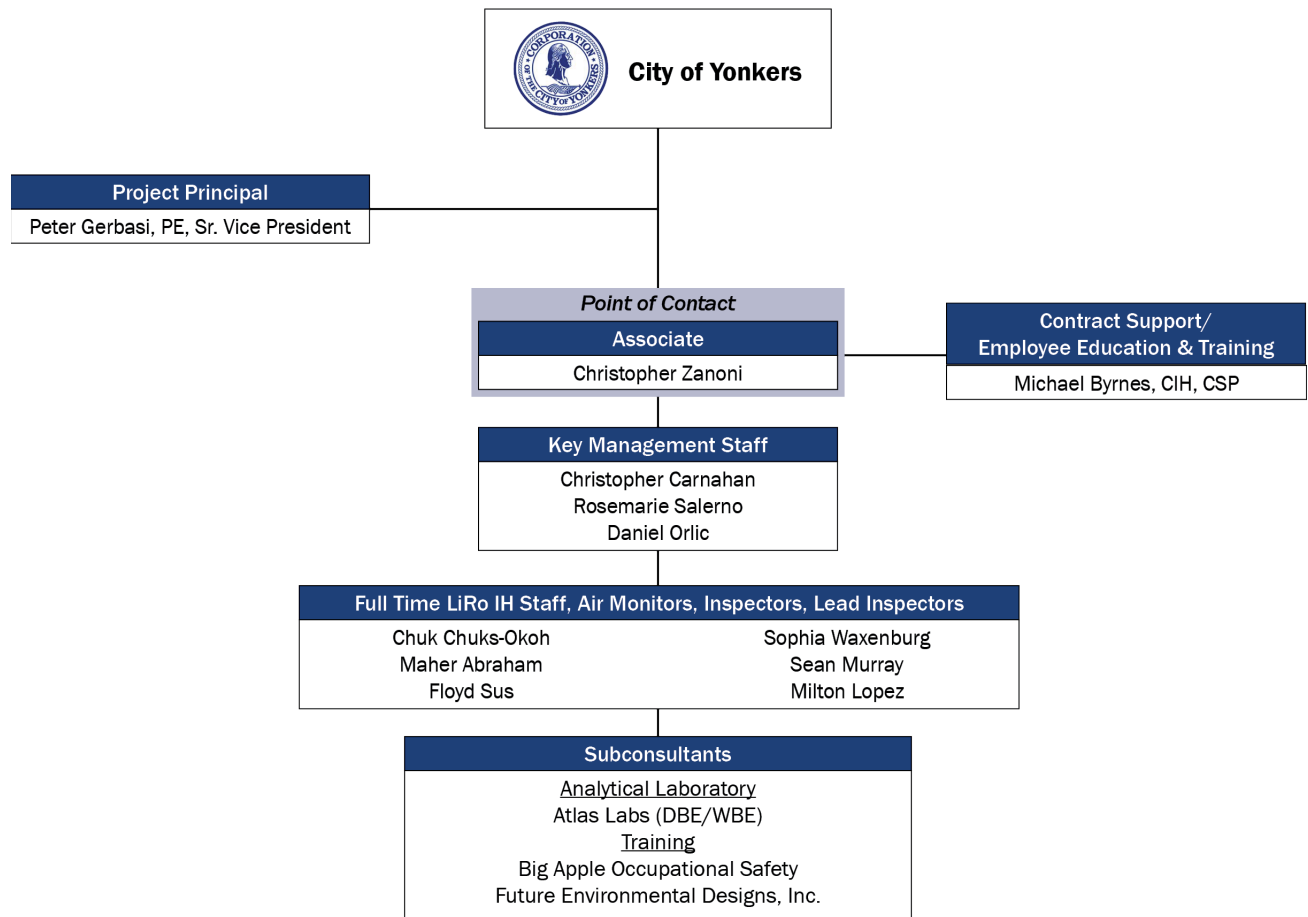
Milton Lopez, Asbestos Inspector, Project Monitor, NYS DOL Mold Assessor has over 15 years of experience in providing asbestos inspection and monitoring services. He has served as Asbestos and mold remediation for numerous New York City projects providing daily contractor oversight enforcing all applicable EPA, NYSDOL, Local Laws for the renovation and modernizing/restoration of various building projects including schools, hospitals, university, and government facilities.



Office Performing Work

LiRo is headquartered in Syosset and has branch offices in Hicksville, Mineola, Brooklyn, Queens, Manhattan, and Westchester, New York. Most of our asbestos and lead services staff, which is over 100 strong, as well as our hazardous waste specialists work out of our headquarters and Hicksville offices. In addition, our many office locations throughout the Metropolitan area enable LiRo to mobilize to any job site on short notice. LiRo has the ability to provide asbestos and lead personnel to projects requiring quick response, often within hours of notification.

Organizational Chart



Resumes of the staff proposed to provide services for this YPS contract follow.



Peter Gerbasi, PE

Senior Principal

Education

M.S., Environmental Engineering,
Manhattan College

B.S., Civil Engineering, Manhattan
College

Licenses/Registrations

Professional Engineer, New York
NYS/DOL Asbestos Project Designer

Certifications

OSHA 10 Certified

OSHA 40 Hazwoper Certified

Design-Build Professional

MTA NYC Transit Track Safety
Certified

PROFESSIONAL PROFILE

Mr. Gerbasi is an executive and technical professional with broad based public and private sector experience. His skills include staff development, budget control and operational performance improvement. Mr. Gerbasi has 25 years of progressively responsible experience which includes serving as the Nassau County Deputy County Executive for Parks, Public Works and Partnership for the Nassau County Commissioner of Public Works, President of Remedial Engineering and Principal Engineer with Roux Associates and Project Engineer at Camp Dresser and McKee.

Mr. Gerbasi also has experience with remedial design and construction management at hazardous and industrial waste sites, municipal water and wastewater collection and treatment design and construction management as well as facility decommissioning and demolition. He was involved with all facets of municipal engineering and construction, brownfield remediation and redevelopment, feasibility studies for remediation of soil and groundwater. He is experienced in industrial water supply development as well as groundwater treatment. His design work has included water supply, storm water and waste water systems, groundwater pump and treat systems, site decommissioning, landfill capping and RCRA closures. Mr. Gerbasi has significant experience with in situ treatment including oxidation and his additional work has involved air emissions control and permitting. He is currently part of the team performing work for the New York Rising Housing Recovery Program.

EXPERIENCE

New York City School Construction Authority – Asbestos/Lead and Hazardous Materials Consulting Services - For 2 separate on-call term contracts for asbestos/lead and hazardous materials, respectively, Mr. Gerbasi functions as LiRo's Project Executive overseeing a diverse program of "on-call" site investigations, remediation planning, and abatement/construction management projects at school facilities throughout New York City. In addition to monitoring contract activities for quality assurance and implementation of the project scope, the Executive role also involves overseeing in-house project managers and interfacing with project officers at SCA to facilitate close out of project efforts, trouble-shoot deliverables, and provide recommendations on actionable items such as building system disinfections, bulk PCB removals and soil contamination excavation work.

New York City School Construction Authority, Hurricane Sandy Emergency Response, NY - Environmental teams conducting assessments to determine the presence of spilled fuel oil, ACM, and sewage. Abatement work was quickly implemented to remediate the facilities. In several locations, fuel oil tanks were breached, resulting in active spills requiring cleanup.

Dormitory Authority State of New York, On-Call Environmental Services - Principal in Charge for all asbestos, lead paint and mold hazards that are impacted by planned DASNY capital improvement projects at hospitals and universities throughout New York State. 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.



Peter Gerbasi, PE

Senior Principal

New York Power Authority, On-Call Environmental Services - Principal in Charge for an on-call services contract 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.

New York City Health and Hospitals Corporation, NY, Project Principal - Mr. Gerbasi served for two consecutive on-call service contracts with HHC since 2008. The on-call service contracts included: asbestos inspection and abatement projects; remediation design specifications; emergency response services for Superstorm Sandy; petroleum storage compliance; and, spill investigation remedial planning.

JetBlue Airways Warehouse Demolition/Terminal 5 Remediation, NY - Project Principal for the site investigation and design for the demolition of four warehouse and maintenance facilities at JFK International Airport. Responsible for coordinating the field effort and preparing site investigation reports for the remediation of hazardous materials and asbestos. Prepared drawings and specifications for the removal of asbestos, USTs, drummed wastes, PCBs, and CFCs. For T- 5 project, responsible for developing a remediation Health and Safety Plan, Soil Management Plan and Spill Prevention and Control Plan. In addition, Liro prepared asbestos abatement design documents for the fueling line and existing buildings in the project area.

MTA - New York City Transit, Comprehensive Environmental Services Contract, NY, Senior Project Manager - Serving as Senior Project Manager and Engineer of Record for design services provided in connection with system-wide improvement projects involving asbestos and lead paint remediation. Responsibilities extend to quality assurance, executive oversight of lead paint/asbestos remediation monitoring efforts and site inspection activities, budgetary oversight and general contract management. More than 10,000 hours of lead paint/asbestos inspection work has been managed to date under this contract.

City of Yonkers, Professional Asbestos Services, NY, Contract Executive - This was a contract that LiRo provided asbestos survey and design consulting services on an as-needed basis for public properties throughout the City of Yonkers. Major assignments included full AHERA inspections and SED filings for two property acquisitions, Saint Bartholomew Elementary School and Mount Carmel Elementary School. Material sampling, and recording of ACM locations quantities and condition were performed consistent with 40 CFR 763 requirements.



Christopher Zanoni

Associate

Education

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

Ph.D., Environmental Engineering (Pending), NYU/Polytechnic University

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

Certifications

OSHA 10 Hour

PROFESSIONAL PROFILE

Mr. Zanoni has over 25 years of experience in the environmental field, with extensive code compliance experience project 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.

EXPERIENCE

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 4 continuous contracts valued at over \$10M. 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.

Dormitory Authority State of New York On-Call Environmental Services

Senior Project Manager and 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 throughout New York State. Work orders in combined excess of \$20M since 2008 have been issued in connection with façade, roof, window, emergency power systems, full facility demolition work, and the New York Rising Superstorm Sandy Recovery project. 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

MTA New York City Transit Comprehensive Environmental Services Contract, New York, NY, Senior Project Manager

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. Supervised over 80,000 hours of field operations including abrasive blasting, needle gun scaling, chemical striping 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. Additional responsibilities included 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.



Christopher Zanoni

Associate

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.

Town of North Hempstead Department of Public Works: Grand Street School Demolition, New Cassel, New York

Managed a multi-phased demolition/remediation project beginning with the comprehensive environmental assessment of the abandoned school building and surrounding property in the middle of this residential neighborhood in New Cassel, in advance of the proposed demolition of the structure and reclamation of the site for low-income housing development; coordinated pre-bid meetings, prepared RFI to the bidders, and assisted DPW in the post-bid interview and award process. Prior to the commencement of site activities, reviewed and issued approvals for all contractor submittals issued pursuant to the contract documents and supervised site preparation tasks such as the placement of construction fencing, sealing of storm drains, placement of berms for waste water control, and mobilization of heavy equipment.

DSNY Incinerator/Garage Demolition Projects, NY, Senior Project Engineer

Senior Project Engineer for environmental services involving detailed site investigations at former municipal waste incinerators for asbestos and other hazardous materials and a structural evaluation in preparation of demolition design documents and specifications. Responsible for oversight of field effort and for assistance in the preparation of drawings and specifications for: environmental issues: soil and water contamination; RCRA wastes; residual ash/refractory brick; PCBs; lead paint; and drum waste.

New York Public Library, Central Library Project and Fire Alarm System at SASB:

Responsible for scoping early phase inspection and remediation design work associated with space conversions needed to initiate the main Central Library conversion project; reviewed renovation design plans with the project CM and NYPL project representatives, scheduled field inspection activities, reviewed results from field inspections and material testing, prepared draft abatement plans for lower level remediation work; participated in planning and scoping meetings with MJE Engineers and Architects to define limits and deliverables for the environmental work associated with the fire alarm system upgrades and performed QA/QC of final findings report inclusive of inventory of suspect/confirmed or presumed ACM in each impacted space of SASB

New York City Health and Hospitals Corporation

Provided Senior Project Management support for all projects performed under 3 consecutive on-call service contracts since 2008; interface frequently with facility managers to evaluate project scope of work and budget; review staffing schedules prepared by project managers for pending inspection and abatement projects; perform senior author review of all inspection reports; remediation design specifications, and abatement close out reports; worked closely with upper HHC management and facility representatives in coordinating emergency response services to Super storm Sandy.



Christopher Carnahan

Program Manager

Education

B.S., Occupational Safety, Slippery
Rock University

Licenses/Registrations

NYS DOL Asbestos Project Designer,
New York

NYS DOL Asbestos Inspector, New
York

PROFESSIONAL PROFILE

Mr. Carnahan has more than 32 years of experience working in the environmental field, including 30 years as an environmental consultant with the New York City School Construction Authority. He has extensive field experience conducting subsurface investigations (i.e., soil, groundwater and soil vapor), working on various public and private sites (remedial sampling, monitoring well installation oversight and inspection), and petroleum spill site evaluations/monitoring throughout the New York metropolitan area. Mr. Carnahan has also conducted environmental audits and various environmental related site inspections. Mr. Carnahan's technical writing experience includes the preparation of Phase I/Phase II Environmental Site Assessments (ESAs), health and safety plans, preparation of material safety data sheets and final environmental reports.

EXPERIENCE

New York City School Construction Authority On-Call Asbestos, Lead Paint, Mold and PCB Services - Over two decades of technical project work and contract management responsible for all contract deliverables and performing overall task order management for asbestos/lead/PCB inspection, design and abatement monitoring. Routinely staffed and managed multiple simultaneous inspection, design and abatement projects involving asbestos, lead paint, mold and PCB hazards, having a collective contract value of over \$25M in direct fees. Maintained all administrative functions including weekly project status updates, project tracking, and invoicing.

Yonkers Public Schools Environmental Services, Senior Project Manager – For the abatement of asbestos and lead paint at numerous school facilities; Mr. Carnahan coordinated work schedules with contractors, provided direct oversight of monitoring activities; managed staffing requirements for turnover of abated areas, and maintained communication with YPS officials through completion of all work.

Island Trees Union Free School District, Plainview, NY, Senior Project Manager – Mr. Carnahan was responsible for development of remediation plans and schedules for programmatic abatement at all schools in the district. Additional responsibilities included enforcement of site specific abatement procedures, waste storage, facility egress and fixed station area air testing protocols; issued daily progress reports, reviewed air testing results, and maintained daily communication with district facility managers and general contractors for the completion of abatement activities and planning/scheduling of follow on renovation work.

Nassau County Department of Public Works, Senior Project Manager and Coordinator – For the Superstorm Sandy response associated with implementing disaster assistance to homeowners; Mr. Carnahan prepared database of applicants and managed the inspection and follow up contractor services for contaminated debris removal, mold abatement and surface sanitizing, and close out as well as managed FEMA records associated with this project for NCDPW.

Project Environmental Scientist - Mr. Carnahan was involved in New York City School Construction Authority, Dormitory Authority of the State of New York (DASNY), New York City Housing Authority (NYCHA), Governor's Office of Storm Recovery (GOSR), Con Edison, Nassau County Department of Public Works, and New York Power Authority (NYPA) projects. For these projects, he has prepared hazardous materials (HAZMAT) reports, interpreting field data and coordinating with analytical laboratories.

Nassau/Suffolk County, New York - Mr. Carnahan managed several tank abandonment and removal projects throughout Nassau and Suffolk County. His responsibilities included the remedial action work plan, daily field reports, end point sampling, and remedial construction coordination



Christopher Carnahan

Program Manager

with the New York State Department of Conservation and acted as the owner's representative during site meetings and negotiations.

Contaminated Soil Project, Brooklyn, New York - Mr. Carnahan managed the petroleum contaminated soil project a transportation facility in Brooklyn, NY. He oversaw all contaminated materials entering the facility and was responsible for waste characterization of all of the stored materials. Also, he helped coordinate with the owners' representative and the NYSDEC regarding all permits and protocol for the storing of several thousand cubic yards of contaminated material prior to delivery to a waste decontamination facility.

Potable Water, Lead in Drinking Water, Various School District Sites - Mr. Carnahan conducted potable water sampling on behalf of several school districts across Long Island and New York City. The purpose of this sampling event was to determine if the schools districts were in compliance with the USEPA Lead in Drinking Water guideline. He conducted several site assessments and prepared the final environmental reports for hundreds of school district sites.

Phase II ESA, Remedial Investigation and Remediation, Nassau/Suffolk County, New York - Mr. Carnahan managed several sanitary system abandonment and remediation projects for cesspools, leaching pools and septic tanks throughout Nassau and Suffolk County. The remediation clean-up projects included dry cleaning facilities and various manufacturing facilities. His responsibilities included the remedial action work plan, daily field reports, end point sampling, and remedial construction coordination with the New York State Department of Conservation, and he acted as the owner's representative during site meetings and negotiations.

Various Projects, Nassau County, New York - Mr. Carnahan managed the Phase II ESA, remedial investigation and remediation of a dry cleaning facility and associated strip mall under the supervision of the New York Department of Environmental Conservation. The site-specific contaminants included trichloroethene, tetrachloroethene, cis-1,2-dichloroethene, and vinyl chloride. Mr. Carnahan's responsibilities included the preparation of the Phase II ESA report, field sampling and supervision during the Phase II ESA/remedial investigation as well as the disposal of the contaminated materials.

Site Investigation/ Monitoring Wells, MacArthur Airport - Mr. Carnahan managed and performed the site investigation/monitoring well sampling at various areas on the MacArthur Airport facility. The investigation was focused volatile organic compounds (VOC), due to the presence of various fuel spills and leaking underground storage tanks on the site. Mr. Carnahan's responsibilities included the reporting of the analytical results, and the preparation of the monthly site sampling/analytical report.

Underground Storage Tank Removal, Long Island, New York - Mr. Carnahan managed the removal of numerous underground storage tanks (UST) at a real estate/ office complex facility on Long Island, New York. Mr. Carnahan's responsibilities included the collection of in-situ waste characterization samples prior to the UST removal, coordination with the local governing agency and the UST removal contractor, field supervision to ensure the UST were being removed in accordance with local, state, and federal regulations, endpoint sample collection and the preparation of a UST closure report.

Hazardous Waste Material Storage and Disposal, Long Island, New York - Mr. Carnahan managed the hazardous waste characterization, disposal and reporting on behalf of various school districts on Long Island, NY. His responsibilities included sampling/analysis for waste characterization, the coordination of waste disposal pickups with the hazardous waste hauler, the compilation of manifests from each waste pickup, and the preparation of final reports to the client.



Rosemarie Salerno

Asbestos Inspector/Designer

Education

M.S., Chemistry, State University of
New York at Stony Brook

B.S., Chemistry, State University of
New York at Stony Brook

Licenses/Registrations

NYCDEP Asbestos Investigator

NYSDOL Asbestos Project Designer

NYSDOL Asbestos Inspector

NYSDOL Asbestos Management
Planner

NYS DOL Project Monitor

NYSDOL Mold Assessor

USEPA Lead Risk Assessor

Asbestos Inspector, Connecticut

Certifications

OSHA 10 Certified

PROFESSIONAL PROFILE

Ms. Salerno is an environmental specialist with over eight years of direct, hands-on experience in all phases of mold, asbestos, lead hazard, and general environmental inspection work on a diverse range of New York State projects. She has the rare ability to perform the field investigations and subsequently compile concise, professional quality findings reports complete with cost estimates and recommendations for addressing any discovered hazards. Ms. Salerno is fully certified, trained and experienced in conducting all facets of lead/asbestos/mold inspection work.

EXPERIENCE

Dormitory Authority State of New York/Governor's Office of Storm Recovery; Lead Paint Risk Assessor and QA/QC Officer – Defined program requirements for protocols related to HUD compliant lead paint inspections and risk assessment; coordinated field tasks for the completion of risk assessments for up to 60 residential properties per day; performed daily tracking of completed assignments to date and reports prepared to date for this program; provided QA/QC of completed risk assessment reports.

NYC Department of Design and Construction, "Build-it-Back" Program; Environmental Code Compliance Manager – responsible for the defining program environmental code compliance policies, daily coordination of inspection and remediation activities, work plan submission and review, project tracking, and clearance/close out of all applicants to the *Build-it-Back* Super-storm Sandy recovery program in Brooklyn; conducted bi-weekly meetings, maintained the program database, and directed all program activities relating to asbestos, lead paint, and mold hazards at the project sites.

New York Public Library, Central Library Project

Ms. Salerno was responsible for the assessment of asbestos and lead based in the scope or work areas associated with Early Work tasks; reviewed project design plans with NYPL and LiRo project management to assist in defining daily activities and troubleshoot access and scheduling concerns, prepared an inventory of suspect ACM and potential lead-based coatings in each impacted functional space, quantified and sampled materials for testing in accordance with applicable regulations and project guidelines, prepared findings report.

State University Construction Fund, SUNY Stony Brook Chemistry Building Renovation

Prepared work plan for remediation of mercury contamination in laboratories throughout the Chemistry Building, in close coordination with the abatement contractor; assisted in reviewing asbestos inspection report and provided supplemental survey to assess presumed ACM and suspect materials not addressed by the original inspection; performed weekly assessment of waste storage areas for mercury waste and defined protocols for TCLP/waste stream testing; assisted in the completion of the mercury remediation close out report.

New York City School Construction Authority, Asbestos Survey and Design at Various Schools, NY, Asbestos Investigator

- Performed review of scope of work, and file history for various schools throughout New York City. She was also responsible for field inspections, sampling of suspect materials, chain of custody write-up and preparation of asbestos and PCB design reports; surveys were performed in connection with electrical system renovations, roof replacements and interior modernizations have been conducted at various school facilities including Sheepshead Bay High School, Evander Childs High School and Park East High School.



Rosemarie Salerno

Asbestos Inspector/Designer

New York City Health and Hospitals Corporation, Various Hospitals in New York City, NY, Asbestos Investigator - Provided office support and technical field assistance in connection with targeted asbestos investigations in patient support areas; coordinated with client representatives and facility managers to schedule access to sensitive areas. Tasks included inspection and material bulk sampling consistent with 40 CFR 763; preparing close out reports for Small and Minor Project abatements monitored at various facilities including Coler Memorial Hospital and Goldwater Hospital, Bellevue Hospital, Harlem Hospital Center and East New York Diagnostic Center. Specific tasks included gathering all relative project documents such as regulatory filings, executed waste manifests, laboratory results, chains of custody, and supervisor/monitor daily logs; assisted in project billing and electronic data management. She provided airborne mold sampling at Bellevue Hospital.

MTA New York City Transit, On Call Environmental Consulting Services, NY, Asbestos Investigator - Provided sampling for various abandoned structures including CBH, offices and signal towers. Survey locations included Linden Shop Yard in Brooklyn; and Castel Hill Ave. Station, Parkchester Ave. station and Pelham Bay Park station on the 6 line in the Bronx. She also provided sampling for the removal of the canopy at Queensboro Station on the 7 Line. Performed water and asbestos sampling in man holes at the Coney Island Yard and responsible for chain of custody write-up. Additionally, she was responsible for final report write-up for the inspection of VHF Radio systems in various subway stations. Duties included:

- preparing formatted chains of custody
- preparing EN- tables, SWV forms, and project location maps
- collecting all field data generated during the oversight of lead paint removal projects including daily reports
- corrective action plans, and hazardous waste storage area reports
- reviewing all documentation
- preparing summaries and compiling biweekly reports for the client

New York City Department of Transit Division of Bridges, Wards Island Pedestrian Bridge, NY, Asbestos Inspector Performed inspection and assessment of asbestos containing materials at Wards Island Pedestrian Bridge. Responsibilities also include reviewing previous inspection data and interpreting scope documents in order to determine the extent of additional investigation necessary; prepared findings report and issued recommendations.

New York Power Authority, New York City Housing Authority Project and Energy Efficiency Upgrades, NY, Asbestos Investigator Responsible for field inspections, sampling of suspect materials, and chain of custody write-up for the New York City Housing Authority; surveys were performed in connection with Boiler/ water tank replacements in various tank rooms of apartment building in New York City; responsible for field inspections, sampling of suspect materials, and chain of custody write-up for power upgrades in various schools in New York City.



Daniel Orlic

Asbestos Inspector/Management Planner

Education

B.A., Earth/Space Science, State University of New York at Stony Brook

Licenses/Registrations

NYS DOL Asbestos Inspector and Management Planner

Certifications

NYCDOB 4 Hour Supported Scaffold User Certificate

NYSDEC Erosion and Sediment Control

OSHA 10 Certified

OSHA 30 Certified

OSHA 40 Hazwoper Certified

SSPC C3 Supervisor/Comp. Person (Deleading Ind Stru)

SSPC C5 Supervisor/Comp. Person Refresher(Deleading)

PROFESSIONAL PROFILE

Mr. Orlic has over 14 years of experience in the environmental field, with extensive soil and groundwater project expertise. He 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 knowledgeable 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 City School Construction Authority: Construction/Abatement phase Project Manager of asbestos, lead and PCB abatement projects for contract C000013441 through 2018, Mr. Orlic demonstrated his ability to interact with contractors, school personnel and various trades during all phases of the project; he provided and scheduled all field technicians to all active projects as well as on-site management and supervision of asbestos/lead abatement projects; his duties included observance of contractor compliance with project specifications, contract documents and legal requirements, project monitoring, air sampling, site investigation, record keeping, data reduction, report preparation and client invoicing.

NYCSCA Environmental and Hazardous Materials Consulting Services, NY, Project Manager:

Managed field teams and updated project status tracking for work performed under the fast-tracked potable water sampling and testing program; worked with SCA representatives and school custodial staff to coordinate field work, and communicated with laboratories to relay forecast for volume through-put, turn-around times and reporting.

Coordinate field inspection activities associated with asbestos, lead, PCB and mold inspection projects; schedule file search tasks with assigned inspectors, track progress, review draft reports and maintain project communication with SCA project representatives.

In the aftermath of Super Storm Sandy, LiRo performed environmental hazmat risk assessments, environmental investigations, and oversight for remediation and cleanup of environmental impairments to multiple City schools throughout the five boroughs of New York.

LiRo's emergency response for the affected schools included notifying the New York State Department of Environmental Conservation (NYSDEC) and reporting the petroleum product releases and obtaining Spill Case numbers for each affected school. The tasks to cleanup and remediate these petroleum releases were performed under LiRo's supervision and coordinated with both the New York City School Construction Authority (NYCSCA) and NYSDEC.

Mr. Orlic was part of LiRo's team that initiated the oversight of spill remediation activities at the affected schools. Mr. Orlic provided oversight and management of the remediation contractors performing tasks such as: mobilizing staff and remediation equipment to the various schools; vacuum truck extraction of contaminated oil/water from the compromised portions of the affected schools, including foundation areas; removing oil from existing and damaged tanks and removal of the damaged tanks; surface cleanup of affected areas and coordination of disposal activities.

In areas where foundations were compromised or emergency backfill needed to be performed, Mr. Orlic coordinated the collection of soil samples to assist in site characterization and analysis, delineation of remediation limits and documentation of completion of remediation activities. Once all the flood water pumping, gross contamination and residual surface contamination was cleaned up, Mr. Orlic provided for oversight and management of the steam cleaning and fine cleaning activities that ensued. Mr. Orlic also coordinated with NYCSCA and NYSDEC representatives final assessment activities to verify the completion of remediation activities, which included documentation that all areas affected areas were properly cleaned and removed



Daniel Orlic

Asbestos Inspector/Management Planner

product and other contaminated materials were properly handled, containerized, transported and disposed of in accordance with applicable New York State and Federal Regulations.

Yonkers Public Schools, AHERA and Asbestos Management Services: Mr. Orlic coordinated with the Facilities Management office for the Yonkers Public Schools to schedule AHERA Tri-ennial re-inspections and subsequent 6 month periodic surveillance efforts at all K-12 schools throughout the district; Mr. Orlic reviewed all collected site data, reviewed the updated re-inspection reports, and assisted in updating the Asbestos Management Plan; Additional projects for the district included asbestos abatement management of contractor and monitoring activities associated with the removal of asbestos pipe insulation from crawlspaces and utility pipe tunnels at PS 21 and Lincoln High School.

New York City Economic Development Corporation, Hudson Yards Development Projects, NY, Environmental Specialist: 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, NY, Project Manager: 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.

New York Rising Housing Recovery, Environmental Specialist: 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, Environmental Specialist: 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.



Michael D. Byrnes, CIH, CSP

Health and Safety Officer

Education

B.S., Chemical Engineering

Certifications

Certified Industrial Hygienist

Certified Safety Professional

OSHA 10 Certified

OSHA 30 Certified

OSHA 40 Hazwoper Certified

OSHA 500 Construction Trainer

OSHA 510 Certified

OSHA Confined Space Entry Certified

PROFESSIONAL PROFILE

Mr. Byrnes has over 30 years of experience in the construction management field with an extensive emphasis on environmental remediation issues. As a Certified Safety Professional, he specializes in protecting workers, the public, property and the environment by identifying, evaluating and controlling hazards. In addition, as a Certified Industrial Hygienist, he is also responsible for the management, planning and staging all aspects of projects from the initial investigation, through design and preparation of bidding documents and technical specifications, evaluation of bid submittals and contractor selection, monitoring of the project and oversight of the contractor's activities and post-project close-out.

EXPERIENCE

New York City School Construction Authority, NY - Project Manager for asbestos abatement projects for a New York City School Construction Authority (NYCSCA) contract. Interacted and coordinated site activities with NYCSCA, the abatement contractor, and governing regulatory agencies. Managed the asbestos abatement project monitoring, including evaluation of abatement contractor's work practices to ensure compliance with applicable federal, state and local regulations and standards, and the Contract documents and the preparation of final reports.

New York City School Construction Authority, NY – Field Inspector during disinfection of newly installed water piping in association with plumbing alterations, new additions, and new construction for various projects in association a New York City School Construction Authority (NYCSCA) hazardous materials management contract. Representative disinfection projects included: New Utrecht High School – new addition; PS 234K – new construction, disinfection of newly installed interior piping from service main interior double control valve to fixtures and drinking fountains; PS 265K – new construction, disinfection of two new service mains from exterior box valve to interior of building; PS 13Q (1) – disinfection of newly installed service mains from exterior box valve to interior double control valves; PS 13Q (2) – disinfection of newly installed hot and cold water pipes from service mains interior double control valves to newly installed fixtures. Performed pre-disinfection walk-throughs, to determine if proposed DWQTP and disinfection can proceed, at the following schools: August Martin High School, Queens, new interior piping and fixtures; Mott Haven Complex, Bronx, new construction of charter school, three high schools, auditorium and gymnasium facilities, including exterior service main connections from street, interior hot and cold water piping and fixtures; Manhattan Academy, Manhattan, new interior hot and cold water piping, and fixtures on 7th floor of leased space for new school at 26 Broadway; Manhattan School of Math, Science and Engineering at the City University of New York, new hot and water piping and fixtures for new science labs, bathrooms and drinking fountains; and walk through and review of DWQTP for East NY Family Academy, new hot and cold water piping associated with kitchen modernization.

MTA/NYCT Asbestos and Environmental Consulting Services, NY - Project Manager for several consulting contracts with MTA New York City Transit totaling over \$4,500,000. The Contract involved the coordination of site facility surveys and asbestos abatement design specifications and preparation of New York State Department of Labor site specific variances (SSV). The Contract also involved the management of project monitoring services for the asbestos abatement phase of the work, including evaluation of abatement contractor's work practices to ensure compliance with applicable federal, state and local regulations and standards, and the Contract documents. Prepared final reports, which included evaluation of post-abatement submittals and payment applications.

Remediation and Disposal of Contaminated Paint – Various Sites – New York City Department of Environmental Protection - LiRo is currently serving as the Construction Manager consultant to the New York City Department of Environmental Protection (NYCDEP) for the remediation and disposal of contaminated paint at various NYCDEP facilities located throughout Westchester



Michael D. Byrnes, CIH, CSP

Health and Safety Officer

County, and the Catskill and Delaware Watersheds. The project involves the removal and disposal of paint contaminated with lead, mercury, and PCBs, from various building and equipment surfaces, and the re-painting of those surfaces required by NYCDEP. LiRo will facilitate coordination of Contractor with NYCDEP personnel, and local authorities at the various facilities.

Pre-construction services consist of reviewing NYCDEP Contract requirements, and assisting NYCDEP in finalizing Contract Technical Specifications. Services also consist of developing Health and Safety Plans (HASP) to address hazards that will be encountered during the paint remediation operations.

Resident engineering services will include reviewing Contractor submittal packages, Contract schedules, coordinating site activities so as to make the least impact on NYCDEP operations and site specific requirements, managing progress meetings, reviewing Contractor payment requisitions, and coordinating with Contractor and NYCDEP for disposal of hazardous materials, during the course of the site work. Services will also include overseeing field supervision, Contractor compliance with Contract Specifications, NYCDEP specific health and safety requirements, applicable regulations, codes and standards.

Decontamination and Deconstruction of Fiterman Hall - Borough of Manhattan Community College, Superintendent - LiRo served as the Construction Manager for the decontamination and demolition phases prior to the rebuilding of Fiterman Hall, Borough of Manhattan Community College (BMCC). Services were provided on an ongoing work session review basis fully coordinated with DASNY and CUNY project managers. The project involved extensive New York City inter-agency coordination, particularly with USEPA, NYSDOL, MTA, NYCDEP, NYCDOB, LMCCC, LMDC, and NYCDOT. It also requires continual briefings and dissemination of process and update information to the local Community Board and the public. LiRo managed design investigations, provided site supervision and managed field contractor operations prior to and during the decontamination and deconstruction work. This included interior and exterior environmental cleaning and removal of all building contents and components. All work was being conducted under special monitoring requirements applicable to the USEPA WTC Recovery Zone, and will occur within the jurisdiction of the USEPA WTC Recovery Program. Additionally provided were preconstruction services, scheduling, contractor prequalification and bid packaging.

Indoor Air Quality and Industrial Hygiene Survey, Confidential Client, New York, NY - Performed an in-depth indoor air quality investigation on ground level office space in response to carbon monoxide detectors being alarmed, and employee complaints of headaches, and difficulty breathing. Evaluated the HVAC system serving the ground floor office space, interviewed employees, and collected data for temperature, relative humidity and CO2 levels. During the study, discovered elevated carbon dioxide levels, and possible infiltration of carbon monoxide into the space. The HVAC system was also observed to be supplying an inadequate amount of fresh air for the current occupancy. Issued a report recommending air handling system should be altered to allow adequate fresh air to be supplied to the space. The system was one that would allow fresh air to be ducted into a mixing chamber, where the proportion of fresh air taken in can be controlled. It was also recommended that the air distribution should be continuous, ensuring the introduction of an adequate and continuous supply of fresh air is introduced to dilute any contaminants, which may be entrained into, or originating within the spaces.



Chukwunonyerem Chuks-Okoh

Asbestos Inspector

Education

B.S., Geology, University of Ibadan

Licenses/Registrations

NYCDEP Asbestos Investigator

NYSDOL Asbestos Project
Air Sampling Technician

NYSDOL Asbestos Project Monitor

NYSDOL Asbestos Project Designer

NYSDOL Asbestos Inspector

NJ Lead Inspector/Risk Assessor

USEPA Lead Based Paint Inspector

Certifications

OSHA 10 Certified

NYCDOB 4 Hour Supported
Scaffold User Certificate

OSHA 40 Hazwoper Certified

OSHA Confined Space Entry Certified

PROFESSIONAL PROFILE

Mr. Chuks-Okoh is an NYSDOL Investigator/NYCDEP Inspector as well as a USEPA Lead Inspector with over 10 years of asbestos survey, monitoring and lead experience in New York City. His experience has included the New York Metropolitan area and parts of New Jersey with a focus on Transit and other municipal related facilities. His areas of expertise include investigation, design, estimating and remediation monitoring of environmental hazards (asbestos, lead, Polychlorinated biphenyls (PCB), indoor air quality (IAQ), underground storage tanks (USTs), etc.), as well as construction safety in an area of extensive regulatory oversight. Mr. Chuks-Okoh has extensive knowledge of environmental regulations throughout New York City, New York State, and New Jersey.

EXPERIENCE

New York City School Construction Authority (NYCSCA) Environmental

Mr. Chuks-Okoh is the Site Inspector for all related asbestos and lead paint hazards that are or might be impacted by planned NYCSCA capital improvement projects at City Public Schools throughout New York City.

Dormitory Authority State of New York (DASNY) - Environmental Services

Mr. Chuks-Okoh is the Environmental Site Inspector for all asbestos, lead paint, and mold hazards that are impacted by planned DASNY capital improvement projects at hospitals and universities throughout New York State.

New York City Department of Environmental Protection (NYCDEP), New Croton Aqueduct Rehabilitation, CONTRACT CRO 334G (2012)

Mr. Chuks-Okoh is the Site Inspector/Monitoring for this project which consisted of series of water sampling and testing inside water tunnel (Shaft 21) to determine if the recently constructed seal/plug inside the tunnel was properly working. The testing was conducted around the clock for several weeks to document the success of the water seal.

New York City Department of Environmental Protection (NYCDEP) - Designed and Monitored/Oversight

Mr. Chuks-Okoh handled the installation of chemical feed piping at the station to ensure health and safety of the installers as required by the NYCDEP for their in-house operations and maintenance (O&M).

South Nassau Communities Hospital (SNCH), Oceanside, New York

Mr. Chuks-Okoh provided Asbestos Survey/Abatement Project Monitoring and Asbestos Area Air Sampling during several asbestos abatement projects at the Hospital. Asbestos abatement work was conducted prior to renovation of the Ground Floor Engineering Area, E2/C2 project (two (2) wings of hospital), Ground Floor Pharmacy, and Health Information Management (HIM) File Room. URS Corporation (URS) provided Asbestos Project Monitoring and area air sampling during the asbestos abatement work prior to building renovation. URS conducted contractor oversight to ensure regulatory compliance of work, provided visual inspections of cleaned areas, and coordinated area air sampling during the work. Work was conducted over a four (4) month plus period prior to renovation work.

URS Project Specific Experiencer - URS RREM Project (Asbestos/Lead)

Mr. Chuks-Okoh conducted asbestos/lead assessments and dust wipe/bulk sampling applicable at all Hurricane Sandy affected areas in New Jersey



Chukwunonyerem Chuks-Okoh

Asbestos Inspector

SUCF - 32446 Stony Brook

Mr. Chuks-Okuh provided Asbestos Abatement Project Monitoring and Asbestos Area Air Sampling during ongoing asbestos abatement projects at the Hospital. Asbestos abatement work is being conducted prior to renovation work on the building roof decks and court yard openings. URS is: conducting contractor oversight to ensure regulatory compliance of work; provided visual inspections of cleaned areas; and, coordinates area air sampling during the work.

East 111 (URS - Walgreen Stores Asbestos/Lead Survey Contract - Asbestos Investigation/Survey, New Jersey and Queens, New York

Mr. Chuks-Okuh Limited Asbestos Surveys (LAS) of multiple Walgreen Stores locations in New York and New Jersey prior to the stores interior and exterior remodeling/reconstruction.

Club H - Hoboken, New Jersey - Moisture Survey/Investigation

Mr. Chuks-Okuh conducted moisture testing and reporting of the flooded areas within the gymnasium. A final report was then issued with an executive summary which outlined plans of areas marked for renovation.

Algonquin Hotel, New York City, New York – Detailed Asbestos Survey

Mr. Chuks-Okuh conducted asbestos bulk sampling/analysis and writing of the ACP-S prior to the interior renovation and remodeling of the hotel building project.

New York City Department of Transportation (NYCDOT) - Building Demolition and Site Work - Asbestos Abatement Monitoring Oversight at the Intended Reconstruction of the East 153rd Street Bridge over Metro-North Railroad

Mr. Chuks-Okuh was the Site Inspector and oversaw the abatement during the removal of asbestos-containing materials (ACM) and chemical hazard spill within the building during the course of the building demolition and renovation activities. Renovation activities included refilling excavated areas and fencing the area for the intended project.



Maher Abraham

Asbestos Inspector

Education

B.S., Biochemistry,
Alexandria University

Licenses/Registrations

NYCDEP Asbestos Investigator,
New York

NYSDOL Asbestos Project Air
Sampling Technician, New York

NYSDOL Asbestos Inspector,
New York

NYSDOL Asbestos Project Monitor,
New York

Certifications

OSHA 10 Certified

OSHA 30 Certified

OSHA Confined Space Entry Certified

NYCDOB 4 Hour Supported Scaffold
User Certificate

PROFESSIONAL PROFILE

Mr. Abraham has more than 25 years of experience as an Environmental Inspector in the construction industry. He has conducted investigations for asbestos and PCB at numerous facilities for clients such as DASNY and the NYCSCA. He is a licensed NYCDEP Asbestos Investigator and has prepared the IEH formatted design reports for nearly 500 school facilities in his professional experience.

EXPERIENCE

New York City School Construction Authority, Asbestos, Lead Paint, Mold, PCB Environmental Consulting Services, NY, Environmental Inspector: LiRo is currently providing to the New York City School Construction Authority (SCA) comprehensive on-call environmental services. To date the project work has included oversight of domestic water system disinfection procedures at over a 150 schools, peer reviews of Phase I and Phase II report submittals from other SCA consultants, Phase I Environmental Site Assessments (ESA), implement UST removal, and closure/ spill investigations, soil vapor intrusion/ indoor air quality investigations, and on-call emergency spill response. Under this term contract, LiRo has successfully completed over 180 work order assignments for a diverse range of sites throughout the City of New York.

New York State School Districts, Environmental Consulting Services, Asbestos/Lead Inspector - Mr. Abraham provided project inspection support that involved asbestos, lead and PCB program in occupied schools. He conducted inspections for Yonkers Public Schools, Island Trees Public Schools, Nanuet Public Schools and numerous other New York State School Districts. In addition, he was involved with site inspections at SUNY Stony Brook and SUNY Farmingdale.

Dormitory Authority of the State of New York, Contract for Professional Services, NY, Environmental Inspector: In conjunction with the Dormitory Authority Code Compliance staff, LiRo is providing asbestos and lead based paint project consultation and daily contractor oversight enforcing all applicable EPA, NYSDOL, Local Laws for the renovation and modernizing/ restoration of various building upgrades. Project work includes over 15 facilities including Harlem Hospital, Elmhurst Hospital, Jacobi Hospital, Bellevue Hospital, Woodhull Hospital, Lincoln Hospital, Kings County Hospital, Medgar Evers College, Bronx Family Criminal Court House, Bronx Community College, Coler Memorial Hospital, Goldwater Hospital and LaGuardia Community College - Parking Garage, Elevator Upgrade, and Facade Rehabilitation & ADA Lift project(s). Pilgrim Psychiatric Center Steam Tunnel(s) total renovation, Brooklyn DDSO 888 Fountain Avenue Bathroom & Window Projects, Queens DDSO Project, College of Staten Island Project(s), Sagamore Psychiatric Center project(s), SUNY Maritime College, Hunter College – Exterior Modernization project, Queens College – Jefferson Hall, City College – Shepard Hall. The general scope consists of interpretation and implementation of DASNY regulations and Site Specific procedures for the abatement of asbestos and removal of lead based paint & PCB caulking. The work is comprehensive and includes Surveys, Designs, and oversight of multiple construction phases.

Con Edison, On-Call Asbestos Bulk Sampling and Building Survey, NY, Environmental Inspector

This three-year on-call project (2016-2018) requires the performance of asbestos inspections and bulk sampling through the Consolidated Edison and Orange & Rockland Utilities service territories including the five boroughs of New York City, Westchester, Putnam, Orange and Rockland Counties, in New York, parts of northern Bergen and Passaic Counties in New Jersey, and northeast Pennsylvania. Mr. Abraham is one of several certified investigators dedicated to this intense program that often involves emergency response in a short period of time. Mr. Abraham is assigned to unique projects at substations that have contract specific requirements for material sampling, safety measures, and patching/repair protocols



Maher Abraham

Asbestos Inspector

New York City School Construction Authority, HazMat Consulting Services, NY, Environmental Inspector - Under contract since April 2004, Mr. Abraham assisted with the city-wide effort to sample and test potable water from drinking fountains to determine lead content. In spring of 2016 and winter 2016/2017, Mr. Abraham was one of 10 inspectors who enable LiRo to perform this high profile sampling work at over 300 schools.

PREVIOUS EXPERIENCE

New York Environmental, Senior Environmental Investigator/ Inspector and Project Monitor

In this role, Mr. Abraham managed asbestos, lead and PCB projects for clients such as the NYCSCA, NYCHPD and LI North Shore Schools. The scope of work included heating system upgrade and climate control; mechanical system upgrade (duct work and fire damper insulation removal); electrical system upgrade (light fixtures and electric wiring insulation removal); and exterior building envelope systems upgrade (roof removal and exterior window/lintel caulking, lintel flashing removal and masonry back up waterproofing material removal).

Taylor Environmental Group, Asbestos Investigator/Inspector and Project Monitor

In this role, Mr. Abraham handled asbestos abatement projects including boilers, climate control upgrades, and roof/window replacements for clients such as the NYCSCA, NYCDDC and Con Edison.



Floyd Sus

Asbestos Inspector/Monitor

Licenses/Registrations

NYSDOL Asbestos Project Air Sampling Technician

NYSDOL Asbestos Inspector

NYSDOL Asbestos Supervisor

NYSDOL Asbestos Project Monitor

NYCDEP Asbestos Investigator

NYCDEP Asbestos Handler

Certifications

NYCDOB 4 Hour Supported Scaffold User Certificate

NYCDOB 8 Hour Supported Scaffold User Certificate

OSHA 10 Certified

OSHA 30 Certified

OSHA Confined Space Entry Certified

PROFESSIONAL PROFILE

Mr. Sus has more than 12 years of experience providing environmental services. He is currently providing inspection services for LiRo's on-call service contracts with Consolidated Edison, City of Yonkers, and the New York City School Construction Authority. Prior to joining LiRo, he served as Asbestos Inspector, Asbestos Handler, Project Monitor, Air/Soil/Water Sampling Technician and Project Manager for several clients with Environmental Maintenance Contractor's, Inc.

EXPERIENCE

Con Edison, On-Call Asbestos Bulk Sampling and Building Survey, NY, Environmental Inspector -

This three-year on-call project (2016-2018) requires the performance of asbestos inspections and bulk sampling through the Consolidated Edison and Orange & Rockland Utilities service territories, including the five boroughs of New York City, Westchester, Putnam, Orange and Rockland Counties, in New York, parts of northern Bergen and Passaic Counties in New Jersey, and northeast Pennsylvania. The asbestos surveys vary from small, localized areas of facilities to large-scale renovations and remediation projects such as those underway at manufactured gas plants. Mr. Sus coordinates the scheduling of inspection events directly with the individual ConEd site managers and reviews all pertinent historical data provided by ConEd that may be relevant to the scope of work. Mr. Sus performs the site investigation consistent with New York Department of Environmental regulations and protocols, assists in generating the findings report and issues ACP5 if applicable.

MTA - New York City Transit, Asbestos, Lead and Comprehensive Environmental Consultant Services Contract, NY -

Services included asbestos, and lead-based paint inspection and abatement monitoring, review of abatement work plans, waste storage area inspection and disposal manifesting, and general project coordination and interfacing with site representatives and project management. Project sites were throughout the five NYC boroughs. (\$10 million)

New York City School Construction Authority, On-Call Environmental Services, NY, Inspector -

LiRo is currently providing to the New York City School Construction Authority (SCA) comprehensive on-call environmental services. To date the project work has included oversight of domestic water system disinfection procedures at more than 150 schools, peer reviews of Phase I and Phase II report submittals from other SCA consultants, Phase I Environmental Site Assessments (ESA), implement UST removal, and closure/spill investigations, soil vapor intrusion/indoor air quality investigations, and on-call emergency spill response. Under this term contract, LiRo has successfully completed more than 180 work order assignments for a diverse range of sites throughout the City of New York.

Yonkers Public Schools, Asbestos Consulting Services, Environmental Inspector -

Mr. Sus represents LiRo in our efforts to provide asbestos and indoor air quality testing services to the City of Yonkers through our second consecutive on-call service contract. Facilities that are covered by these services typically include Fire Stations, Police Precincts and all public school buildings. Mr. Sus was on a dedicated team of Asbestos Inspectors and Management Planners who performed full AHERA tri-ennial re-inspections and six-month periodic surveillance activities and assisted with SED filings for emergency abatement work in crawlspaces with identified damaged ACM. Material sampling, and recording of ACM locations quantities and condition were performed consistent with 40 CFR 763 requirements.



Floyd Sus

Asbestos Inspector/Monitor

PREVIOUS EXPERIENCE

Environmental Maintenance Contractors, Inc., Golden Bridge, NY

NYC Asbestos Investigator (2008 – 2017) – Mr. Sus performed site assessment, including collecting all suspect asbestos containing materials in residential and commercial buildings as per NYSINYC Regulations. He prepared a survey form, diagram, sample locations, and quantification of all materials collected; performed visual inspections of the site's current condition, safety, and hazard; reviewed samples analysis and prepared an asbestos survey report for clients; and prepared an ACP5 for the client within the scope of work in compliance to NYC Regulations.

NYS Asbestos Inspector (2005 – 2017) – Mr. Sus performed site assessment, including collecting all suspect asbestos containing materials in residential and commercial buildings as per NYS Regulations; prepared a diagram, sample locations, and quantification of all materials collected; perform visual inspections of the site's current condition, safety, and hazard; and review samples analysis and prepared an asbestos survey report for clients.

NYS Asbestos Supervisor (2016 – 2017) – Mr. Sus supervised and coordinated activities of workers in removing asbestos from ceilings, walls, floors, and other structures; reviewed job specifications, inspects work site, and evaluate removal project; estimated length of time, number of workers, and equipment and supplies required to accomplish project; assigned and supervised workers in specific tasks, such as setup of equipment and removal and clean-up of asbestos.

NYS/NYC Asbestos Handler (2016 – 2017) – Mr. Sus worked in the Building Decontamination Unit. Work included removal of asbestos from ceilings, walls, beams, boilers, and other structures, following hazardous waste handling guidelines; and assembling scaffolding and seals off work area, using plastic sheeting and duct tape.

NYS/NYC Project Monitor and Air Sampling Technician (2005 – 2017) – Mr. Sus served as the On-site Representative of the building owner to oversee asbestos abatement work and coordination with contractors to insure that work is performed in accordance with specifications and in compliance with all Federal, State, and local laws. Collect air samples and determine final clearance.

Project Manager (2005 – 2017) – Mr. Sus managed the daily operations of an asbestos and lead projects (removal and air monitoring projects). He ensured the safety of the public during an abatement and air monitoring projects.

Lead and Mold Inspector (2005 – 2017) – Mr. Sus performed lead and mold testing. He created reports and spreadsheets.

Soil and Water Sampling (2005 – 2017) – Mr. Sus collected soil and water samples and created reports.

Materials and Equipment Managing (2005 – 2017) – Mr. Sus planned ways to optimize inventory procedures. He inspected the levels of job supplies and materials to identify shortages. He place orders to replenish stock avoiding insufficiencies or excessive surplus. He monitored and documented inventory.



Milton Lopez

Asbestos Inspector/Monitor

Education

Holy Cross High School

Drake Business School

Licenses

NYSDOL Mold Assessor

NYSDOL Asbestos Project Air Sampling Technician

NYSDOL Asbestos Inspector

NYSDOL Asbestos Project Monitor

Certifications

NYCDOB 4 Hour Supported Scaffold User

NYSDOB 16 Hour Suspended Scaffold User

NYCDOB Suspended Scaffold User

OSHA 10 Certified

OSHA Confined Space Entry Certified

SSPC C3 Supervisor/Comp. Person (Deleading Ind Stru)

SSPC C5 Supervisor/Comp. Person Refresher (Deleading)

PROFESSIONAL PROFILE

Mr. Lopez is an experienced Inspector who is used to working directly with personnel to ensure that all work operates seamlessly to completion. Some of his responsibilities include maintaining project schedules, coordinating project activities, supervising contractors and reviewing contract documentation.

EXPERIENCE

New York City School Construction Authority, ERC IEH Asbestos Lead Mold and PCB Environmental Services, NY

For the New York City School Construction Authority, Mr. Lopez has performed inspection services for the following school sites:

- PS 76M school
- PS 212K school
- PS 146Q school
- PS 258K school

Dormitory Authority of the State of New York, Environmental Recreate NY Smart Home Program, NY

LiRo is providing construction management services for the DASNY Recreate NY Smart Home Program for housing property. This project involves the rehabilitation, reimbursement, elevation and reconstruction of single family homes through the NYS Community Development Block Grant. Working with DASNY, the New York State Office Home and Community Renewal (HCR), and the State's Executive Office, LiRo is coordinating the efforts of three construction management firms to complete home assessments for over 5,000 residences in Nassau and Suffolk Counties in Long Island and upstate communities affected by Sandy, Hurricane Irene and Tropical Storm Lee.

LiRo's HUD CDBG-DR experts have been advising the key stakeholders on issues related to program design, allowable activities, and compliance with HUD and DASNY guidelines to maximize benefits to the homeowners and minimize risks to the State. When the initial assessments are completed, the next phase of the program that includes reconstruction, rehabilitation and elevation to all eligible residences, is estimated to be at \$787 million. LiRo is also assisting in developing the guidelines and standards of this next phase including addressing compliance and monitoring activities.

Dormitory Authority of the State of New York, Term Contract for Professional Services State Wide Asbestos and Environmental Services, NY:

Mr. Lopez has performed inspection services for various sites and phases during the course of this term contract with DASNY.

- Bronx Family Courthouse Annex - 001
- BKLYN DDSO Bldg 5 Mold Inspection
- Hunter College West Building
- Pilgram State
- Queens College kiely Hall Asbestos and PCB Remediation Monitoring, Air Testing
- Gouverneur
- Staten Island DDSO Building 46A Abatement

Dormitory Authority of the State of New York, Asbestos/Environmental Consulting Services, Statewide, NY

LiRo is providing environmental consulting services for the Dormitory Authority of the State of New York (DASNY) in their managed properties throughout New York State. These services include (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



Milton Lopez

Asbestos Inspector/Monitor

generate site specific abatement specifications and removal drawings, (c) abatement project management and (d) project monitoring and air testing during abatement.

In support of DASNY construction, facility modernization and maintenance activities, LiRo has completed approximately 50 projects with fees totaling over \$1 million under this on-call contract. LiRo has been active in support of these efforts in hospitals where new emergency power generators are being installed and substantial coordination was required between abatement, construction activities and sensitive facility operations. LiRo has performed pre-demolition environmental inspections of community centers and parking garages, developed the associated project bid documents, assisted in the interview of the low bidders, and provided the subsequent abatement monitoring and construction management. LiRo also worked in close cooperation with design architects to establish a clear scope of work for hazardous materials and asbestos surveys in connection with building renovations such as those elevators, MEP systems, window replacements and fire alarm/sprinklers.

LiRo has generated substantial remediation design packages for DASNY renovation projects that include scope specific bid documents, site specific variances to New York State Department of Labor, and precise removal plans that detail the location of decontamination units, calculations for required negative air filtration units, pathways to/from the work areas, sources of temporary water and power, waste storage areas and overall project phasing.

For all remediation projects, LiRo acts as a representative for their code administrators by reviewing site specific pre-abatement work plans, evaluating project budgets and work schedules, and coordinating with site construction managers, contractors and other DASNY officers. LiRo's on-site project monitors enforce compliance with the project work plan and all applicable regulations. LiRo often acts as waste liaisons by coordinating with contractors and overseeing the collection of waste in accordance with unique DASNY manifesting and container sealing procedures. At the conclusion of all abatements, LiRo generates a close out report for the oversight and air monitoring effort but also reviews the close out report prepared by the abatement contractor that compiles his project related documentation.

High profile projects that we have been completed under this contract include those at the following facilities:

- Harlem Hospital Center
- Coler/ Goldwater Memorial Hospitals
- Bellevue Hospital Center
- Hunter College
- Lehman College
- SUNY Buffalo
- Bronx Family Criminal Courthouse

NYSDOT Design Build for Kosciuszko Bridge

LiRo is providing services for construction management, quality control, verification testing and inspection services for a design-build project for the replacement of the Kosciuszko Bridge over Newtown Creek Phase I in Kings and Queens Counties.

These services also include assisting the Department in performing construction management and construction quality control of a design/build contract to construct a new 1.1 mile long viaduct. The design/build contract includes a 600 ft long, cable-stayed main span to carry I-278 BQE East Bound over Newton Creek. This new structure is adjacent to and east of BIN 1075699, Kosciuszko Bridge carrying I278 Brooklyn Queens Expressway (BQE) over Newtown Creek on the Brooklyn/Queens Border. (\$600 million)



Sean Murray

Asbestos Inspector/Monitor

Licenses/Registrations

NYS DOL Mold Assessor

NYS DOL Asbestos Project Air
Sampling Technician

NYS DOL Asbestos Inspector

NYS DOL Mold Assessor

NYS DOL Asbestos Project Monitor

Certifications

OSHA 10 Certified

OSHA 30 Certified

OSHA 40 Hazwoper Certified

SSPC C3 Supervisor/Comp. Person
(Deleading Ind Stru)

SSPC C5 Supervisor/Comp. Person
Refresher(Deleading)

PROFESSIONAL PROFILE

Mr. Murray is an Environmental Technician with 9 years of experience in environmental and asbestos abatement work. He has been responsible for project inspection and monitoring at numerous environmental projects throughout New York City.

EXPERIENCE

Dormitory Authority State of New York, On-Call Environmental Services

Environmental Technician for asbestos, lead paint and mold hazard abatement projects that are impacted by planned DASNY capital improvement projects at hospitals and universities throughout New York State. Work orders have been in connection with façade, roof, window, emergency power systems, and full facility demolition work. 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. 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 NYCDEP/ATRU as a result of phased abatements in NYC/DCAS operated facilities managed by DASNY.

New York City School Construction Authority, Environmental HazMat Consulting Services

Mr. Murray served as an Environmental Field Inspector providing oversight to environmental remediation work in association with plumbing alterations, new additions, and new construction for various projects. He is responsible for the review of plans to determine compliance with New York City School Construction Authority and other applicable standards, codes and recommendations.

New York City School Construction Authority On-Call Asbestos and Lead Paint Services

Served as an Environmental Technician for asbestos/lead/PCB inspection and abatement monitoring. 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.



Sophia Waxenberg

Asbestos Inspector/Monitor

Education

B.S., Energy Engineering, The Pennsylvania State University

Minor: Environmental Engineering

Certifications/Licenses

OSHA 10-Hour Construction Safety

NYS DOL Asbestos Inspector NYS DEC

Erosion and Sediment

Control

OSHA Confined Space Entry

PROFESSIONAL PROFILE

Ms. Waxenberg has environmental consulting experience working on projects involving environmental due diligence investigations (Phase I and II Environmental Site Assessments), SPDES compliance, sediment and erosion control inspections, sub-surface investigations (i.e. soil and groundwater), and asbestos re-inspections throughout the New York Metropolitan area. She has also been involved in pipe disinfections, asbestos surveys, lead-in-water sampling, bacterial water sampling, and lead-based paint inspections. Ms. Waxenberg's background includes Electrochemistry, Physics, Chemistry of Fuels, Material Analysis/Spectroscopy, Rock and Fluid Properties, and Geo-Resource Evaluation, along with academic and professional research in multiple topics (e.g. chemiluminescence, combustion, and marine renewable energy systems). Her technical writing experience includes preparation of Phase I ESA reports, final asbestos inspection reports and lead-based paint risk assessment reports. Ms. Waxenberg has reviewed, revised, and assisted in the preparation of construction drawings and specifications.

EXPERIENCE

New York City School Construction Authority (NYCSCA) – Industrial and Environmental Hygiene Division – Ms. Waxenberg provided field inspection services during the disinfection process for new pipe insulation throughout multiple schools in Manhattan and Brooklyn. Ms. Waxenberg conducted bacterial sampling inspections and lead-in-water sampling for schools in Manhattan. Her responsibilities included review of technical design drawings to ensure subcontractor compliance with all NYCSCA required procedures, and proper documentation of field activities throughout the duration of the job.

The Federal Asbestos Hazard Emergency Response Act (AHERA) 2019 Triennial Re-Inspection, District of Yonkers, NY – LiRo provides inspection and surveillance services for over 35 schools in Yonkers as part of the Federal and EPA AHERA triennial re-inspection cycle. Ms. Waxenberg's responsibilities included managing the coordination and oversight of the field staff, updating the existing Management Plan, the review and analysis of field data, and the preparation of almost 40 AHERA reports detailing all inspection findings.

New York City Department of Design and Construction, Croton Water Treatment Plant Above Grade DPR Facilities, NY - LiRo, as part of an on-call contract, provided construction management services for a new golf course clubhouse, and associated driving range, landscaping, storm water collection system, and utility work located directly above the Croton Water Treatment Plant. Services included constructability review, cost-estimate analysis, inspection, supervision, management, coordination and administration of the project. (\$55 million)

New York State Office of Parks, Recreation and Historic Preservation – Erosion and Sediment Control Inspections – Ms. Waxenberg conducts erosion and sediment control inspections at numerous locations throughout New York State, including Minnewaska State Park (Kerhonkson, NY), Shirley Chisholm State Park project (Brooklyn, NY), Croton Water Treatment Facility (Bronx, NY), and Roberto Clemente State Park (Bronx, NY). Her responsibilities include thorough weekly inspections of all the sites, monitoring storm events and adjusting the volume of inspections as needed (according to the NYSDEC Standards and Specifications for Erosion and Sediment Control). She ensures both the construction management and contractor compliance with the New York State Stormwater Pollution Prevention Plan (SWPPP). Upon completion of each inspection, Ms. Waxenberg prepares a comprehensive report detailing the extent of all erosion and sediment control deficiencies, as well as providing photographic evidence and geographical figures to keep track of any actions made to correct the deficiencies.



Sophia Waxenberg

Asbestos Inspector/Monitor

Private Development Client, Phase I ESA, Manhattan, NY – Ms. Waxenberg prepared a Phase I ESA for two multi-story commercial buildings in Manhattan. Ms. Waxenberg’s responsibilities included the environmental site reconnaissance, review of the environmental database report and analysis of surrounding properties, interviewing of site personnel, and preparing the draft Phase I ESA report for review by the Qualified Environmental Professional (QEP).

Private Development Client, Phase I ESA, Yonkers, NY – Ms. Waxenberg prepared a Phase I ESA for a 6.5 acre site in Yonkers, which included a site reconnaissance of four buildings, interview of site personnel, and identification of potential hazards on-site as well as in the environmental database report. She organized the draft report and the respective appendices.

Private Development Client, Phase I ESA, Phase I ESA, Brooklyn, NY – Ms. Waxenberg prepared a Phase I ESA for two multi-story commercial and residential buildings in Brooklyn. Her responsibilities included the site reconnaissance, gathering information on relevant and potential environmental hazards, and reviewing the environmental database report for the final deliverables.

Suffolk County Department of Public Works, Phase I ESA, CR-16 Road Improvement Project, Yaphank, NY – As part of a road expansion project, Suffolk County Department of Public Works requested a Phase I ESA for the “taking areas” along CR-16 (road to be expanded). Ms. Waxenberg conducted the site reconnaissance, reviewed the environmental database report, and prepared a comprehensive Phase I ESA report summarizing the findings.

New York City Department of Transportation (NYCDOT), Phase I ESA, Cedarview Bridge, Staten Island – Ms. Waxenberg assisted in the preparation of the Phase I ESA draft for the NYCDOT as part of the reconstruction the Cedarview Bridge. Her responsibilities included assisting with the site reconnaissance, comprehensive review of the environmental database report, interview of site personnel, and preparing the draft Phase I ESA report for review by the QEP.

Town of Babylon, Phase II ESA, Carlls River, West Babylon, NY – Ms. Waxenberg completed a Phase II ESA to characterize soil and groundwater impacted during the Carlls’ River Stormwater Wetland Restoration Project. Ms. Waxenberg followed a Phase II ESA sampling work plan, interpreted construction plans, and led the field investigation. Ms. Waxenberg sampled groundwater and soil from multiple borings, tabulated and evaluated the analytical data, and prepared the final Phase II ESA report.

Town of Oyster Bay Housing Authority, Lead Inspection – Ms. Waxenberg assisted in lead-based paint assessments and inspection projects in accordance with HUD guidelines. She also helped used the XRF paint analyzer data in the determination of lead-based paint hazards and the collection of lead dust samples in apartments and room equivalents at several housing developments. She ensured using the HUD approved methodologies for randomly selecting apartments, exterior paints, and interior common areas.



Experience and Qualifications of Proposed Sub-consultants

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Atlas Labs is a DBE/WBE who will be used to support asbestos inspection and abatement projects by providing 24 hour, 7 day per week analytical analysis as necessary. LiRo has maintained a continuous project relationship with Atlas for many years and the analytical and management team of the lab are fully aware of the requirements we impose upon them to support our clients demands for asbestos air sample and material sample testing results. We have protocols in place with Atlas from our rigorous MTA New York City Transit contract that define our communication chain of command, record keeping, positive –stop order, and invoicing rates.

We also have several in-place subcontract agreements with other M/WBE firms that support us on our many environmental on-call contracts, all of whom can be called upon to assist us as needed on this YPS work. If a project requires M/WBE participation, we are confident that we will be able to meet or exceed project participation requirements as we have on our other public agency on-call contracts that have M/WBE/DBE participation goals.



Quality Assurance and Quality Control (QA/QC)

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The LiRo team has, and will continue to assure that the requirements of all applicable regulations, contract specifications and dictates of YPS and the City of Yonkers are met on every project. LiRo Engineers, Inc. is committed to Quality Assurance and Quality Control for all its undertakings. The management and professional staff of each team member recognize that Project Quality is our responsibility. We do not expect that burden to fall on our Clients. Our commitment is demonstrated by the fact that LiRo maintains a company procedure manual that establishes a system of procedures, audits, reviews and documentation that ensures that LiRo projects are being conducted in a manner consistent with the company guidelines, our client's expectations and our contractual obligations. It is also demonstrated by the extensive experience of the staff that we have dedicated to this project. This experience is the best assurance of a quality project, especially when combined with the firm's commitment to quality.

Our QA/QC Officer will work with our project managers to ensure that:

- All aspects of the Team's contractual obligations are being fulfilled in a manner consistent with the client's requirements.
- The standards established in the Team's QC Plan are maintained within the framework of the specific project and City of Yonkers requirements.
- Project personnel understand their responsibilities and are equipped to fulfill them.
- The client is satisfied and aware of all issues affecting the progress of their job.

LiRo places emphasis on site safety. For each Task assigned to us under this contract, our management team will prepare a Job Hazard Assessment that lists the individual sequential steps involved in executing the work in the field, identifies any potential hazard, and assigns a preventative measure to minimize or eliminate the hazard. The Job Hazard Assessment, once approved by our Safety Officer, helps place a focus on the inherent safety and health risks associated with the work under this contract and is a valuable tool in minimizing risk exposure to the individual workers, the firm, and the environment.

All of our field inspectors are provided with the necessary personal protective equipment to perform daily work functions (respirators with replacement filters, safety glasses, hard hats, safety shoes, hearing protection, etc.). Our in-house Certified Industrial Hygienist performs annual respirator fit testing and works with our Corporate Health and Safety Officer to schedule and conduct audits of our active field projects to verify that the Corporate Health and Safety Plan is being followed along with any site specific requirements.

LiRo maintains a database summary of all of our field inspectors training and certifications including NYS Department of Labor, US EPA, and OSHA 10 Hour Site Safety. Daily tracking of field assignments with a two week look-ahead component is a critical tool used by our management team to maintain our field inspection efforts while still being able to schedule personnel for initial/refresher licensing classes or in-house seminars.



Responsiveness to Client

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As stated earlier in our proposal, LiRo maintains one of New York's largest in-house **full-time** staff of asbestos professionals consisting of over 100 full-time environmental specialists who are fully qualified to provide a complete range of inspection, design, and monitoring, and management services. Presently, we estimate that we possess more than three times the number of management and technical personnel needed to accommodate the simultaneous peak demands of this contract. We are confident that our team will be able to meet the Districts scheduling demands.

Furthermore, to initiate all projects, the General Manager will serve as the single point of contact for the City of Yonkers and will immediately assess the nature of any assignments. He will assign a customized project team of staff to develop and execute the scope of work for the assignment. Once the assignment is underway, our General Manager will remain an involved party, and transition the day-to-day technical project execution to the Program Manager. The Program Manager with his assigned and fully dedicated staff will carry the project through to completion. Throughout the duration, the General Manager will be available to attend project meetings and remain available to guide technical and resource components of the work as necessary. This management approach will allow for the City of Yonkers/YPS assignments to proceed safely, on time, within budget, and of the highest quality.

Point of Contact Person:

Christopher Zanoni, Vice President

Phone No.: 516-268-6386

Fax No.: 516-681-0589

Cell No.: 347-672-4201

Email: zanonic@liro.com

PART 3 – FEE PROPOSAL

3.01 COMPENSATION FOR BASIC SERVICES

For Basic Services as described in Part 1 the proposed compensation shall be the Total Project, Lump Sum as tabulated below:

PROPOSED FEE SCHEDULE			
BASIC SERVICES PART 3.1			
ITEM OF WORK	QUANTITY	UNIT COST	COMPENSATION
AHERA TRIENNIAL INSPECTIONS & REPORTS (Includes research, inspections, printing, travel, lodging, meals, and etc.)	1	LUMP SUM	\$59,950.00
ASBESTOS MANAGEMENT PLAN (AMP) UPDATES (Includes printing, travel, lodging, meals, and etc.)	1	LUMP SUM	\$22,250.00
SIX MONTH SURVEILLANCE AND SIX MONTH SURVEILLANCE TRAININGS (Includes printing, travel, lodging, meals, and etc.)	1	LUMP SUM	\$12,500.00
REVIEW AND UPDATE DISTRICT PROVIDED BID DOCUMENTS that include category 1,2,4 which requires response actions for future possible bids. At a minimum the updates shall include: 1.Quantity 2.List of locations 3. Floor plans showing the locations 4. Estimate for the abatement (Includes printing, travel, lodging, meals, and etc.)	1	LUMP SUM	\$2,950.00
1.06 ADDITIONAL SERVICES (Includes Sampling, Testing, & Reporting at Proposed Hourly Rates Article 3.04 & Unit Prices Article 3.05)	1	NECESSARY	\$50,000
SUBTOTAL BASIC SERVICES COMPENSATION			\$147,650.00

TOTAL SUM OF THIS PROPOSAL One-Hundred-Forty-Seven-Thousand-Six-Hundred-Fifty Dollars

LiRo Engineers, Inc. Architect or Engineer
(printed name of proposer)

3.02 CONTRACT TERM

The term of the agreement is 365 calendar days. This is not reflective of the milestone dates listed elsewhere.

3.03 COMPENSATION FOR ADDITIONAL SERVICES

For additional services of the Consultant, beyond the scope of work described herein, the Consultant shall be compensated per a negotiated lump sum or by a time and material basis as per the discretion of the YPS. See 3.04 Hourly Payment Rates for Various Titles.

3.04 HOURLY PAYMENT RATES FOR VARIOUS TITLES

The Consultant will be compensated for time and material work beyond the original scope of work at the rates proposed by the Consultant for each of the titles listed below:

Category	Ave. Direct Hourly Rate	Inc. Direct Personnel Multiplier <u>2.25</u>	Ave. Hourly Rate Charged (inc. O&P)
Sr. Principal	\$ <u>145.00</u>	\$ <u>CAP</u>	\$ <u>145.00</u>
Principal	\$ <u>140.00</u>	\$ <u>CAP</u>	\$ <u>140.00</u>
Associate	\$ <u>64.50</u>	\$ <u>80.50</u>	\$ <u>145.00</u>
Project Manager	\$ <u>55.50</u>	\$ <u>69.50</u>	\$ <u>125.00</u>
Architect (RA)	\$ <u>43.25</u>	\$ <u>54.25</u>	\$ <u>97.50</u>
Engineer (PE)	\$ <u>44.25</u>	\$ <u>55.25</u>	\$ <u>99.50</u>
Architect	\$ <u>37.75</u>	\$ <u>47.25</u>	\$ <u>85.00</u>
Engineer	\$ <u>37.75</u>	\$ <u>47.25</u>	\$ <u>85.00</u>
Asb. Inspector	\$ <u>35.25</u>	\$ <u>44.25</u>	\$ <u>79.50</u>
Asb. Mngmt. Plnr.	\$ <u>36.75</u>	\$ <u>45.75</u>	\$ <u>82.50</u>
Asb. Designer	\$ <u>35.50</u>	\$ <u>44.45</u>	\$ <u>79.95</u>
Sr. Cost Estimator	\$ <u>26.75</u>	\$ <u>33.25</u>	\$ <u>60.00</u>
Clerical Support	\$ <u>15.50</u>	\$ <u>19.50</u>	\$ <u>35.00</u>

All employees proposed for work under this contract must be labeled with one of the above titles in the proposal under 3.01.

3.05 UNIT PRICES FOR VARIOUS LABORATORY TESTING OF ACBM

The Consultant will be compensated for owner directed laboratory testing services at the proposed Unit Prices listed below:

LABORATORY TESTING UNIT PRICES	
UNIT PRICE #1: SAMPLE ANALYSIS PLM FOR FRIABLE 24-HOUR TURNAROUND (Including Delivery and Pick Up to Lab)	\$ <u>8.25</u> /SAMPLE
UNIT PRICE #2: SAMPLE ANALYSIS PLM NON-FRIABLE 24-HOUR TURNAROUND (Including Delivery to and Pick Up at Lab)	\$ <u>17.50</u> /SAMPLE
UNIT PRICE #3: SAMPLE ANALYSIS TEM BULK NON-FRIABLE 24-HOUR TURNAROUND (Including Delivery to and Pick Up at Lab)	\$ <u>45.00</u> /SAMPLE
UNIT PRICE #4: SAMPLE ANALYSIS PLM FOR FRIABLE RUSH 3 HOUR TURNAROUND (Including Delivery and Pick Up to Lab)	\$ <u>12.00</u> /SAMPLE
UNIT PRICE #5: SAMPLE ANALYSIS PLM FOR FRIABLE RUSH 12 HOUR TURNAROUND (Including Delivery to and Pick Up at Lab)	\$ <u>10.00</u> /SAMPLE
UNIT PRICE #6: SAMPLE ANALYSIS PLM NON-FRIABLE RUSH 12 HOUR TURNAROUND (Including Delivery to and Pick Up at Lab)	\$ <u>22.50</u> /SAMPLE
UNIT PRICE #7: SAMPLE ANALYSIS TEM BULK NON-FRIABLE RUSH 12 HOUR TURNAROUND (Including Delivery to and Pick Up at Lab)	\$ <u>47.50</u> /SAMPLE
UNIT PRICE #8: SAMPLE ANALYSIS FOR VERMICULATE (NYSDOH ELAP METHOD 198.8) 10 DAY TURNAROUND (Including Delivery to and Pick Up at Lab)	\$ <u>189.50</u> /SAMPLE
UNIT PRICE #9: SAMPLE ANALYSIS PCM 24 HOUR TURNAROUND	\$ <u>6.00</u> /SAMPLE
UNIT PRICE #10: SAMPLE ANALYSIS TEM AIR SAMPLES 24 HOUR TURNAROUND	\$ <u>54.50</u> /SAMPLE
UNIT PRICE #11: SAMPLE ANALYSIS TEM AIR SAMPLES RUSH TURNAROUND (3 HOURS)	\$ <u>97.50</u> /SAMPLE
UNIT PRICE #12: TESTING FOR VERMICULATE TEST NUMBER 198.8, 10 DAY TURN AROUND Duplicate -same as item #8.	\$ <u>189.50</u> /SAMPLE
UNIT PRICE #12: NY STATE DOL CERTIFIED INSPECTOR/ MANAGEMENT PLANNER 4 HOUR PERIOD	\$ <u>335.00</u>
UNIT PRICE #13: NY STATE DOL CERTIFIED ASBESTOS INSPECTOR 4 HOUR PERIOD	\$ <u>325.00</u>

3.06 PAYMENTS

Unless indicated otherwise, payments for services shall be billed and payable on a monthly basis. All requests for payment (requisitions) **must include the following:**

1. Cover letter on the Consultant's letterhead with original signature requesting payment. This letter must indicate:

- a) YPS Contract No.
 - b) The Project Numbers being billed
 - c) Original contract amount
 - d) Contract amendments (if any) and revised contract amount
 - e) Requisition No.
 - f) The period of time covered by this requisition.
 - g) Invoice Numbers covered by this requisition.
 - h) Lists of attachments.
 - i) Summary of amount due for this requisition and amount left in contract.
2. Copy of Back-up receipts for reimbursables.
 3. Invoice(s) showing amount(s) due for each project.
 4. For Additional Work only: Time sheets signed by the employee being charged to the project counter-signed by his or her supervisor.