



PRACTICAL SOLUTIONS EXCEPTIONAL SERVICE

PROPOSAL

Environmental Services | RFP #19-024



Submitted To:

MORRIS SCHOOL DISTRICT BOARD OF EDUCATION
31 Hazel Street | Morristown, NJ 07960
Attn: Anthony LoFranco, Business Administrator

June 11, 2020 @ 10:30 AM
TECTONIC PN 20-0630

Submitted By:

DAVID MORRIS, LSRP, CHMM
Vice President of New Jersey Environmental Services
DMorris@tectonicengineering.com | 973 467 5850 x2701 tel
1122 Route 22 West | Suite 106 | Mountainside, NJ 07092

tectonicengineering.com

May 28, 2020

Morris School District Board of Education
31 Hazel Street
Morristown, NJ 07960

Attn: Anthony LoFranco, Business Administrator

**RE: RFP #19-024 — ENVIRONMENTAL SERVICES
TECTONIC PN 20-0630**

Dear Mr. LoFranco,

On behalf of Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc. (Tectonic), I am pleased to submit our bid for Environmental Services to the Morris School District Board of Education, for your review and consideration. Tectonic would like the opportunity to provide the District with turnkey environmental engineering and design in support of the District's environmental projects.

Simply put, we are one of NJ's top environmental firms that specializes completely in services for boards of education (K-12), child care centers, and higher education institutions.

The depth of our environmental experience combined with the multi-faceted capabilities of our staff defines Tectonic as a company that is highly qualified to execute the most challenging projects from inception to completion. As one of Engineering News Record's (ENR) Top 500 engineering design firms consecutively since 2001, Tectonic is committed to providing and leading a well-organized, thorough, and practical team that delivers timely, economical, and quality services.

We trust that the accompanying material clearly documents our experience and capacity to complete projects in a professional and expeditious manner. We look forward to a prosperous relationship with the Morris School District Board of Education. If you have any questions, please do not hesitate to contact me at (973) 467-5850, ext. 2701.

Sincerely,
TECTONIC ENGINEERING CONSULTANTS, GEOLOGISTS & LAND SURVEYORS, DPC, INC



David Morris, LSRP, CHMM
Vice President of Environmental Services, NJ

Mountainside Office

1122 Route 22, Suite 106 | Mountainside, NJ 07092
973.467.5850 Tel | 973.379.5741 Fax

tectonicengineering.com
Equal Opportunity Employer

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KEY PERSON CONTACT INFORMATION

Name: David Morris, LSRP, CHMM
Title: Vice President of Environmental Services, NJ
Phone: (973) 467-5850, x2701
Email: DMorris@tectonicengineering.com

NEW JERSEY OFFICE INFORMATION

Address: 1122 Route 22 W, Suite 106, Mountainside, NJ 07092
Phone: (973) 467-5850
Website: www.tectonicengineering.com

CORPORATE OFFICE INFORMATION

Address: 70 Pleasant Hill Road, PO Box 37, Mountainville, NY 10953
Phone: (845) 534-5959

SECTION I: Administrative Information



1.1 FIRM OVERVIEW

Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc. (Tectonic) is pleased to submit this Statement of Qualifications to provide **environmental services to the Morris School District Board of Education**. Tectonic offers a full spectrum of professional engineering and design services to match its clients growing needs. Founded in 1986 and as one of the top 500 Engineering News-Record engineering design firms, since 2001, Tectonic is committed to providing a well-organized, thorough, and practical team that delivers a timely, economical, and quality work product offered from offices located in the Northeast.



Tectonic's mission is to provide the highest level of quality and service; therefore, we concentrate our services on market sectors that reflect the strength and talent of our staff. Our core services include civil, structural, geotechnical, environmental, and transportation engineering, surveying, cultural resource management, design engineering (including planning and permitting), construction management, construction inspection and materials testing.

Despite having offices throughout the New York Metropolitan area, Tectonic's individual specialty practices focus typically on their regions, either the county or within an approximate radius to ensure responsiveness. Conveniently, Tectonic's New Jersey environmental team operates out of its **Mountainside office in Union County – only 10 miles from the Morris School District Board of Education**. We have the depth that a larger firm can provide with sufficient resources, and the breadth of operating experience to be an immediately useful and proved benefit.

Tectonic is a subchapter S corporation and has been in business under its present management for 34 years. Tectonic has two principals, the founders of the firm, Richard P. Kummerle, PE, PP, PG, and Donald A. Benvie, PE, both actively managing the firm on a full-time basis. As well, Tectonic has robust insurance coverage, and Tectonic staff has the appropriate Federal, State, and Local licenses to perform all activities.

Unique Trait

Tectonic remains one of the top New Jersey environmental firms that **specializes in the K-12 education facilities, child care centers, and higher education markets**. The New Jersey environmental team is led by **David Morris**, a Licensed Site Remediation Professional (LSRP) with over 30 years of industry experience, specializing in hazardous materials (HM) and site remediation. Mr. Morris is a **contributing author of NJDEP technical guidance** on the remediation of Child Care Centers (CCC) and Educational Facilities (K-12).

Finally, in response to the Scope of Services, **Tectonic's environmental team currently performs, and has performed, all of these services for NJ school district clients**. Thus, we believe we are highly-qualified to provide **environmental services** to the **Morris School District Board of Education**.



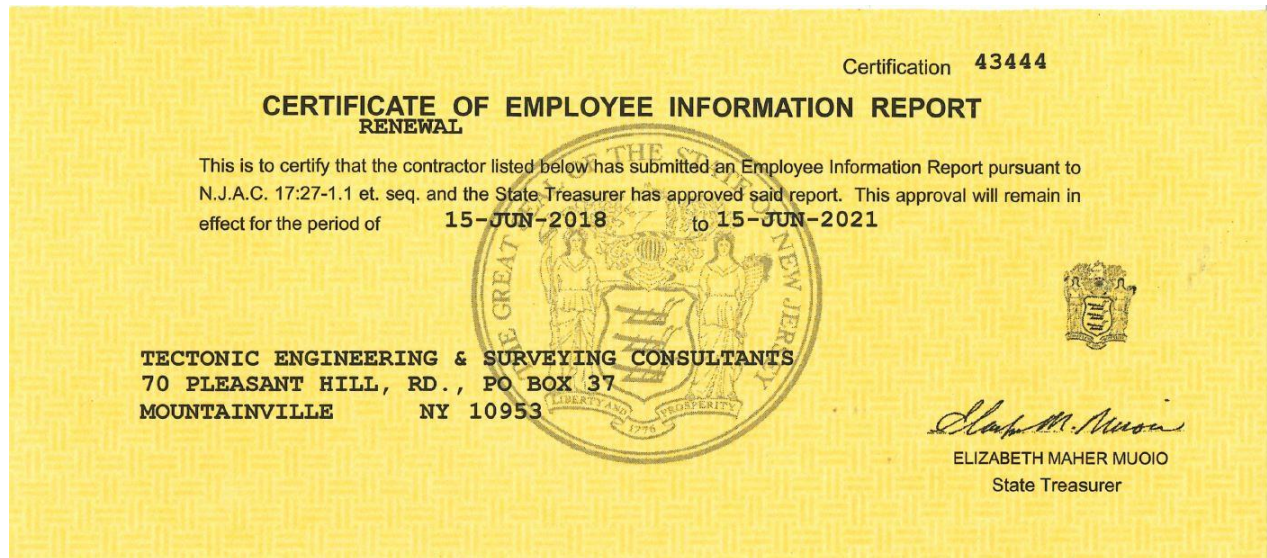
1.2 COMPLIANCE STATEMENTS


Tectonic Engineering is pleased to offer the Morris School District Board of Education a knowledgeable, attentive, and skillful environmental team. The following statements are provided for the convenience of the District and in response to RFP Section 2, Subsection B:

1. Tectonic has been providing EHS services to public education facilities for over 10 years.
2. A list of credible references is provided in Section 2.8.
3. Tectonic's staff includes multiple AHERA building inspectors and management planners. Copies of these certifications are provided in Section 2.6.
4. Tectonic is a certified New Jersey Public Works Contractor. Proof of this certification is provided in Section 1.3.
5. Tectonic utilizes RAdata, Inc. for all radon testing and management services as a regular part of our indoor environmental health assessment and hazardous materials (HM) services.
6. Tectonic's portfolio of firm licenses and insurance certifications is provided in Section 1.3.
7. Tectonic's portfolio of personnel licenses and certifications is provided in Section 2.6.
8. All firm and personnel licenses are available immediately for the District's Office of Building Services upon contract execution.
9. Tectonic's personnel includes Mr. James Armstrong, a Certified Industrial Hygienist (CIH) for over 20 years. A copy of this certification is provided in Section 2.6.



1.3 CORPORATE CERTIFICATIONS & LICENSES



 <p align="center">STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE</p>	
Taxpayer Name:	TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.
Trade Name:	
Address:	70 PLEASANT HILL ROAD MOUNTAINVILLE, NY 10953
Certificate Number:	1363076
Effective Date:	October 22, 2007
Date of Issuance:	January 16, 2018
For Office Use Only:	
20180116161225498	





Educational Services Commission of NJ

Planning for Lead Testing Consultant Services

New Jersey State approved

Co-op # 65MCESCCPS

ESC NJ RFQ #16/17/34

Contract Status: ACTIVE, since 2016
www.escnj.k12.nj.us



Essex Regional Educational Services Commission

Professional Engineering Services

New Jersey State approved

Bid Date 4/11/18

Contract Status: ACTIVE, since 2018
www.eresc.org



Certificate Number
681159

Registration Date: 03/28/2019
Expiration Date: 03/27/2021



State of New Jersey
Department of Labor and Workforce Development
Division of Wage and Hour Compliance

Public Works Contractor Registration Act

Pursuant to N.J.S.A. 34:11-56.48, et seq. of the Public Works Contractor Registration Act, this certificate of registration is issued for purposes of bidding on any contract for public work or for engaging in the performance of any public work to:

Tectonic Engineering & Surveying Consultants P.C.

Responsible Representative(s):

Donald Benvie, President
Thomas Critelli, Director

Responsible Representative(s):

Richard Kummerle, Secretary

A handwritten signature in black ink, reading "RA Angelo".

Robert Asaro-Angelo, Commissioner
Department of Labor and Workforce Development

NON TRANSFERABLE

This certificate may not be transferred or assigned
and may be revoked for cause by the Commissioner
of Labor and Workforce Development.

New Jersey Department of Health

Having met the requirements of N.J.A.C. 8:50

Tectonic Engineering/surveying Consultants P.c.
830 Morris Turnpike, Suite 202, Short Hills, NJ 07078-
License Number: 1227

*is licensed as an Indoor Environmental Consultant to conduct Indoor
Environmental Health Assessments of Child Care Centers and
Educational Facilities in New Jersey.*

11/27/2018

Issue Date

11/25/2020

Expiration Date



Christina Tan, MD, MPH, Assistant Commissioner
Division of Epidemiology, Environmental and Occupational Health

This license is non-transferrable and only valid for the licensee as indicated above.

State of New Jersey
Department of Environmental Protection
Certifies That

TECTONIC ENGINEERING & SURVEYING P.C. (TES)

Laboratory Certification ID # 07111

having duly met the requirements of the
Regulations Governing the Certification of
Laboratories and Environmental Measurements N.J.A.C. 7:18|et. seq.

is hereby approved as a
State Certified Environmental Laboratory
to perform the analyses as indicated on the Annual Certified Parameter List
which must accompany this certificate to be valid

Expires June 30, 2020



A handwritten signature in blue ink that reads "Michele M. Potter".

Michele M. Potter
Manager

THIS CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AT THE LABORATORY WITH THE ANNUAL CERTIFIED PARAMETER LIST IN A LOCATION ON THE PREMISES VISIBLE TO THE PUBLIC.



State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
101 SOUTH BROAD STREET
PO Box 821
TRENTON, NJ 08625-0821

PHILIP D. MURPHY
Governor

LT. GOVERNOR SHEILA Y. OLIVER
Commissioner

TEMPORARY CERTIFICATE OF REAUTHORIZATION

March 18, 2020

Tectonic Engineering & Surveying Consultants P.C.
830 Morris Turnpike, Suite 202
Short Hills, NJ 07078

Dear David Morris:

This is to certify that the Department of Community Affairs has **TEMPORARILY** reauthorized your firm to act as an **ASBESTOS SAFETY CONTROL MONITOR**.

Your **ASBESTOS SAFETY CONTROL MONITOR** number is: **00152**

EFFECTIVE DATE: **APRIL 1, 2020**

EXPIRATION DATE: **MAY 30, 2020**

Pursuant to N.J.A.C. 5:23-8.11(h)2, quarterly fee statements must be sent to this Department no later than one month after the close of each quarter. Please be further advised that the monies obtained from the preparation of plans and specifications and payments for laboratory services shall not be included in the calculation of the quarterly fee. **If no payments are received during any quarter, you must submit a zero statement to this Department.**

Sincerely,

O. Tex Falajiki
Supervisor,
Asbestos Safety Unit





STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Certifies That

TECTONIC ENGINEERING & SURVEYING CONSULTANTS
830 MORRIS TPKE 2ND FLR
Short Hills, NJ 07078

Having duly met the requirements of the
Underground Storage Tank Certification Program
N.J.S.A. 58:10A-24.1-8

Is hereby approved to perform the following services:

CLOSURE
INSTALLATION-ENTIRE UST SYSTEM
SUBSURFACE EVALUATION
TANK TESTING

04/30/2022
EXPIRATION DATE

US226533
CERTIFICATION NUMBER

TO BE CONSPICUOUSLY DISPLAYED AT THE FACILITY



STATE OF NEW JERSEY

Department of Environmental Protection-Radon Section
Mail Code 25-01, PO Box 420, Trenton, NJ 08625-0420

HEREBY CERTIFIES THE GOOD STANDING OF

RADATA INC.
27 IRONIA RD STE 2
FLANDERS NJ 07836-9172

AS A: RADON MEASUREMENT BUSINESS

02/28/2020 thru 02/28/2021
Effective Date Expiration Date
MEB90001
CERTIFICATION NUMBER

Jenny Goodman
MANAGER

THIS CERTIFICATION HAS BEEN ISSUED IN ACCORDANCE WITH
N.J.A.C. 7.28-27 AND THE CONDITIONS SET FORTH IN YOUR APPLICATION
PLEASE INFORM THE DEP OF ANY ADDRESS CHANGE.
DISPLAY THIS PART PUBLICLY AT YOUR LOCAL BUSINESS

DOC# 200157920

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
HEREBY CERTIFIES THE GOOD STANDING OF:

RADATA INC.
27 IRONIA RD STE 2
FLANDERS NJ 07836-9172

AS A: RADON MEASUREMENT BUSINESS

MEB90001 thru 02/28/2021
Certification No. Effective Date Expiration Date

PLEASE DETACH HERE --
IF YOUR CERTIFICATE IS LOST
PLEASE NOTIFY:

NJDEP - RADON SECTION
MAIL CODE 25-01
PO Box 420
TRENTON, NJ 08625-0420
(609) 984-5425

PLEASE DETACH HERE --

EXPIRATION DATE: 02/28/2021

YOUR CERTIFICATION NUMBER IS MEB90001 . PLEASE USE IT IN ALL CORRESPONDENCE
WITH THE RADON SECTION. USE THIS SECTION TO REPORT NAME AND/OR ADDRESS CHANGES.

COMPLETE BELOW WITH NEW INFORMATION AND FORWARD TO THE RADON SECTION AT:

NJDEP - RADON SECTION
MAIL CODE 25-01
PO BOX 420
TRENTON, NJ 08625-0420

OLD ADDRESS

NEW ADDRESS

TELEPHONE WITH AREA CODE:

() _____

TELEPHONE WITH AREA CODE:

() _____

DOC# 200157920

SECTION II: Professional Information



2.1 TECHNICAL SPECIFICATIONS

Scope of Services	Tectonic Response and Capability
<i>Asbestos Monitoring, Sampling, and Related Services</i>	Regarding asbestos and industrial hygiene services, Tectonic focuses on immediate responses to requests, accurate assessment, testing and reporting, and cost-effective design and oversight. Tectonic relies on our highly-qualified staff to provide turnkey environmental services that fit our clients' needs first and foremost. Our staff includes Asbestos Hazard Emergency Response Act (AHERA) professionals, certified NYSDOL Asbestos Inspectors, Certified Industrial Hygienists (CIH), Professional Geologists (PG), and Licensed Site Remediation Professionals (Licensed Site Remediation Professional services), and lead-based paint inspectors and risk assessors (LBPI/LBPRA). We provide site surveys to investigate and identify lead- and asbestos-containing materials, abatement design, project monitoring, air monitoring and support, and operation & management plans.
<i>Asbestos Sampling and Analyses</i>	Tectonic can efficiently identify, quantify, assess, and sample in the appropriate manner, a myriad of different homogenous areas of potential ACM. Tectonic also consults at commencement with the Client, to derive the desired level of enquiry – such as Presumed ACM (PACM) designations: What can be designated as PCAM until it is time to test it? For instance, Tectonic often recommends that roofing material be considered ACM (PACM) until a building is about to be renovated or demolished, and the timing is appropriate to test it. Roof testing punctures the building envelope, and can lead to water intrusion and related damage over time. It is apposite to defer this determination and classify it as a deduct-alternate during abatement design and bidding.
<i>Asbestos Design and Abatement Management</i>	Tectonic has the ability to (a) concisely specify and (b) accurately render in our design plans/drawings, AHERA compliant abatement designs. We detail the work practices and engineering controls necessary to safely execute and complete abatements in occupied buildings. Our designs incorporate discretion, with regard to phasing, occupancy, work hours and pedestrian traffic. Abatement work does not need to startle anyone, and the communication of <i>potential</i> risk is something we can manage with élan. Tectonic still uses the "Silver Book" of the USEPA for post-abatement testing guidance (" <i>Measuring Airborne Asbestos Following an Abatement Action</i> ").
<i>Indoor Air Quality</i>	Tectonic has performed many indoor air quality (IAQ) assessments for both the public and private clients. Tectonic hold a NJ Indoor Environmental Health Assessment (IEHA) certificate and has the recognized expertise for the successful completion of sensitive and lengthy hazard abatement projects. Specifically, our IAQ services include building investigations, complaint response, HVAC inspections, air testing for biological contaminants, dusts, chemicals, and gases, conducting occupant interviews, implementing preventive maintenance and management programs.



<p><i>Environmental Health and Safety Training</i></p>	<p>Tectonic has provided turnkey hazardous materials (HM) training services for multiple school board clients. These services frequently include group instructional presentations or small-group seminars depending on the size, consultations with executive and facilities management, demonstrative facility inspections, and PEOSH information. A major service is educating client personnel about Indoor Air Quality standards, necessary compliance documents, potential contaminants, illness signs and symptoms, basics of exhaust and mechanical HVAC systems, renovation and remodeling procedures, PEOSH complaints, and required record-keeping. Specifically, the New Jersey Department of Health Public Employees Occupational Safety and Health (PEOSH) Program has adopted standards for indoor air quality. For PEOSH air quality inspections, Tectonic utilizes multi-gas Direct-Reading Instrument (DRI) – a TSI® Q-Track™, plus an infrared thermometer, and Tramex® Survey Encounter™ as tools to complete PEOSH inspections in accordance with the New Jersey Department of Health and Senior Services (NJDHSS) PEOSH Indoor Air Quality (IAQ) Standard Inspection Guidance Document and the New Jersey Department of Labor and Workforce Development (LWD) Mold in the Workplace guidance.</p>
<p><i>Laboratory Services</i></p>	<p>Tectonic is a NJDEP State-Certified Environmental Laboratory (#07111) for two categories and five parameters. Tectonic utilizes SBE subconsultant Accredited Analytical Resources, LLC, a certified MBE firm, for all laboratory analysis. Accredited Analytical Resources, LLC, was founded in 2006 and provides expert Analytical and Sampling Services. Conveniently located in Carteret, New Jersey, the firm is an independent full-service environmental testing laboratory, specializing in a wide range of analytical and sampling services to support: Current Environmental Investigations, Remedial Action Programs, Regulatory Compliance efforts/Administrative Court Orders (ACO), and Soil/waste handling and disposal v. NPDES, RCRA/CERCLA Compliance. The firm's analytical capabilities include: organic, inorganic, wet chemistry and microbiology testing on soils/solids, drinking water, wastewater, groundwater, organic liquids and other matrices of environmental concern.</p>
<p><i>Right-To-Know Services</i></p>	<p>In 1995, the requirements for the preparation of New Jersey Right To Know (RTK) Surveys changed; with full RTK surveys required to be submitted every five (5) years, with survey updates to be performed between complete surveys. Tectonic has successfully completed comprehensive Right-To-Know Services for multiple school board clients. Tectonic is an expert in these services, by helping clients to meet the requirements of the RTK Program and assist them with their compliance efforts. Tectonic's services include reviewing the last full Right to Know (RTK) survey and all Public Employee's Occupational Safety and Health (PEOSH) records for the requested facilities; site visits to all requested locations; staff interviews to determine any changes that may have occurred since preparation of the last full RTK surveys; detailed client correspondence to obtain any other information necessary to complete the current RTK surveys; coordination with the New Jersey Department of Health (NJDOH); input of assembled information for each building into the NJDOH online reporting system; general performance evaluation for compliance with the RTK Law; and final reporting involving survey details, findings, and recommendations.</p>



<i>Radon Testing and Services</i>	Tectonic utilizes RAdata, Inc. as a certified subconsultant for radon testing and management services as part of our indoor environmental health assessment and turnkey hazardous materials (HM) services. RAdata, Inc., the largest radon testing and radon treatment business in the state of New Jersey, was the first licensed radon business in the State. Located in Flanders, NJ (Morris County), the firm has an on-premises radon analysis laboratory as well as a drinking water laboratory. The field-testing department performs radon testing and well water testing throughout NJ. Licensed installation specialists and technicians design and install treatment systems for both residential and commercial clients for the treatment of environmental issues which affect occupant health and safety (radon gas, well water quality, and indoor air quality).
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2.2 TABLE OF SERVICES

Tectonic's Comprehensive Table of Environmental Services

Tectonic hopes to be of the utmost utility to the Morris School District Board of Education – no matter what circumstances arise. Tectonic's New Jersey environmental team offers high quality LSRP stewardship by providing personal consultation, practical solutions, and cost-effective methods. In total, Tectonic's environmental team is able to directly perform the following services:

Primary Remediation Services	School Board Services
Site Remediation and Stewardship (LSRP services)	Monitoring of Construction-Phase Work
Underground Storage Tank Closure & Remediation	Lead in Potable Water, Water Quality Management
Site Investigations (LNAPL & DNAPLs)	State-Authorized Testing Services
Indoor Environment Health Assessment (IEHA)	District-Wide Response Actions & Remediation Plans
Regulatory Permitting	Assurances of Compliance
Groundwater Investigations	Right To Know (RTK) Services
Unregulated Heating Oil Tank Closure & Remediation	Public Notification and Outreach (PNO)
Auxiliary Environmental Services	Ecological Services
Abatement Specifications	Coastal Resource Management (CRM)
Asbestos Containing Material (ACM)	Environmental Impact Studies and Assessments
Microbial and Mold Studies	Ecological Studies
Lead Containing Paint (LCP or LBP)	Endangered Species Studies
Hazardous Materials (HM)	Wetlands Delineation and Permitting
Potable Water Testing	Flood Hazard Area Delineation and Permitting
Universal Wastes (UW)	
Air and Wipe Testing	
Noise and Air Quality Studies	



2.3 STAFFING PLAN

The Project Director, support personnel, and subconsultants have been selected on technical expertise to provide the most comprehensive and high-quality services to the District.

We believe the projects will be best served by utilizing Tectonic's Director of New Jersey Environmental Services, **Mr. David Morris, LSRP, CHMM**, as the Project Director. He will lead in understanding the District's needs that include attending meetings, providing consulting advice, reporting upon commercial and residential site developments, reviewing permits and certificates, participating in judicial proceedings, engineering design services, and preparing reports. Mr. Morris has over 30 years of hands-on experience managing a broad spectrum of above grade and below grade hazardous materials, as well as contamination issues for property owners and developers. Mr. Morris is entirely familiar with environmental procedures and regulations that pertain to environmental testing and remediation. The most important aspect of our project approach is to bring Tectonic's environmental capabilities as well as our Project Manager's unique and extensive experience to this project in order to accurately assess environmental site concerns that could affect project development and costs. Herein are detailed resumes of key project participants that will be involved in providing environmental consulting services to the District. These individuals are available for immediate assignment from Tectonic's Mountainside office.

In conjunction with our firm's initiative to support small business enterprises (SBEs), Tectonic utilizes SBE firms to fulfill all subconsultant services.

Subconsultant	Services	Classification	Office Location
<i>EG&R Environmental Services</i>	Geoprobe, Drilling, and Boring	MBE-SBE	Cranbury, NJ
<i>Accredited Analytical Resources, LLC</i>	Laboratory Analysis	MBE-SBE	Carteret, NJ
<i>EnviroVision Consultants, Inc.</i>	Lead and Asbestos Management	MBE-SBE	Fairlawn, NJ
<i>RAdata, Inc.</i>	Radon Testing and Management		Flanders, NJ



2.4 BIOS OF KEY PERSONNEL

■ David Morris, LSRP, CHMM – LSRP and Project Director

Mr. Morris is a Licensed Site Remediation Professional (LSRP) and senior manager with extensive experience in the site remediation, industrial hygiene and environmental real estate sectors. Mr. Morris has over 30 years of hands-on experience managing a broad spectrum above grade and below grade hazardous materials and contamination issues for property owners and developers. He is board-certified in the fields of hazardous materials management and occupational safety. His more recent project involvement experience has focused primarily on multi-media studies, planning the safe razing or reusing of contaminated property. Mr. Morris is adept in working with several agencies in the tri-state area including: New Jersey (DEP, DOH, DCA, DOE, DCF), New York State (DEC) and New York City (DEP, OEC, and CEQR). Mr. Morris is intimately familiar with environmental procedures and regulations that pertain to environmental testing and remediation. He also stands on various Licensed Site Remediation Professional Association (LSRPA) committees and sub-committees, involving risk management and loss prevention, underground storage tanks, legal issues, and continuing education.

- ✓ *Mr. Morris is a recognized expert in the New Jersey hazardous materials (HM) industry, who has managed environmental services for NJ school board clients over three decades. He also is a certified Asbestos Management Planner.*

■ Peter T. Sutherland, PE, LEP, PG – QA/QC Manager

As Vice President and Director of Environmental Services, Mr. Sutherland's responsibilities include: managing technical services, business development, staff administration, developing conceptual models for site evaluation, and directing a wide range of environmental programs and services, including: Phase I, Phase II and Phase III ESAs; underground storage tanks (USTs) and petroleum spill investigations, remediation plans and removals; remedial design of metals contaminated sites; vapor and gas treatment systems; solid waste landfill investigations, closure design and construction phase services; hydrogeologic investigations, aquifer characterization, pump tests, water quality monitoring and groundwater supply well development; ecological studies including wetlands and endangered species; NEPA/SHPO permitting and compliance; historic preservation and archeological studies; and large scale environmental plans at earthwork construction sites requiring HASPs, CAMPs, Soil Management Plans, and air monitoring of vapors and particulates. In addition, responsible for geotechnical investigations involving: subsurface investigation; slope stability analysis; geotechnical design and construction phase services for building foundations, retaining walls, floor subgrades, pavements and engineered earth structures; slope stability analysis; underdrain system design; and application of geosynthetic materials for drainage, earthwork and structures.



■ James Armstrong, CIH, LEED AP – Health and Safety Officer

As Corporate Health & Safety Officer, Mr. Armstrong provides instruction, identification and control of workplace hazards. Mr. Armstrong is responsible for implementing environmental, health & safety systems to promote worker safety, ensure environmental compliance and to achieve company EHS objectives and targets. Mr. Armstrong also assists in evaluating the effectiveness of Environmental, Safety, and Health programs and recommends improvements as required. Additionally, responsible for the day-to-day EHS programs and improvement activities.

- ✓ *Mr. Armstrong has been a Certified Industrial Hygienist (CIH) for over 20 years who coordinates Environmental Health and Safety Programs daily for multiple clients.*

■ Natalie Chupa, LSRP – Senior Environmental Project Manager

Ms. Chupa is a Licensed Site Remediation Professional with over 10 years of environmental engineering experience including the management of hazardous materials identification and quantification surveys, and subsequent remediation design specifications, mold, asbestos, lead paint and hazardous materials abatement, designs and implements FAM/field screening and delineation of contamination during Site Investigations (SIs) and Remedial Investigations (RIs). She prepares strategic monitoring programs for workplace exposure to chemical and physical hazards; and conducts Indoor Air Quality (IAQ) assessments.

- ✓ *Ms. Chupa currently stewards over fifty NJ education facilities as the Project Manager for multiple on-call environmental services contracts.*

■ Kristine Garbarino, PG – Assistant Project Manager, Senior Geologist

Ms. Garbarino is a Professional Geologist (PG), with over 10 years of experience, and is responsible for the preparation of reports such as Phase I Environmental Site Assessments in accordance with ASTM standard E 1527 which includes the performance of site visits, field investigations, interviews, research with state and local governments, environmental records reviews, aerial photograph and topographic map reviews, as well as the development of site environmental backgrounds. Ms. Garbarino assisted with the Phase I/II ESA and environmental investigation for the properties enlisted in the Oakwood Beach Buyout Project. Ms. Garbarino is also responsible for performing Phase II ESA and UST investigations in general conformance with ASTM E 1903, and remedial construction inspection, monitoring for soil and groundwater removals using particulate air monitors, PIDs and recording all project field documentation.

- ✓ *Ms. Garbarino has completed over twenty successful lead-based paint surveys for large-scale clients such as the Metropolitan Transit Authority, Long Island Railroad, and Governor's Office of Storm Recovery; and is a licensed professional geologist.*



■ Chris Callinan – Senior Environmental Scientist, Hazardous Materials (HM) Services

As a Senior Environmental Scientist, Mr. Callinan's responsibilities include the preparation of reports such as Phase I Environmental Site Assessments in accordance with ASTM standard E 1527; includes the performance of site visits, field investigations, interviews, research with state and local governments, environmental records reviews, aerial photograph and topographic map reviews, and development of site environmental backgrounds. Responsible for performing Phase II ESA and UST investigations in general conformance with ASTM E 1903 and remedial construction inspection and monitoring for soil and groundwater removals using particulate air monitors, PIDs and recording all project field documentation. Additional responsibilities include inspection of soil borings and test pits and percolation tests as well as reporting to the project geotechnical engineers on the findings and conditions encountered during the subsurface investigation.

- ✓ *Mr. Callinan has performed turnkey hazardous materials (HM) surveys for multiple clients, and possesses lead and asbestos inspector licenses.*

■ Joseph Kinsella – Environmental Scientist, Hazardous Materials (HM) Services

As an Environmental Scientist, Mr. Kinsella performs all field work related to Tectonic's New Jersey environmental services. His in-field duties include inspection and sampling of soil, water, indoor air, and vapor for PCBs and other contaminants. His responsibilities include preparation of reports such as Phase I Environmental Site Assessments in accordance with ASTM standard E 1527; includes the performance of site visits, field investigations, sampling, interviews, and research with state and local governments; environmental records reviews, and development of site environmental backgrounds; plus performing and oversight of Phase II ESA and UST investigations in general conformance with ASTM E 1903. Mr. Kinsella also has experience with the implementation of provisions of site-specific Quality Assurance Project Plans and Sampling & Analysis Plans for drinking water evaluations at public schools, kindergarten locations, charter schools, and childcare centers and assists in evaluating and presenting test data in concise ways for involved parties.

- ✓ *Mr. Kinsella has performed over twenty asbestos surveys for New Jersey school board clients and possesses an asbestos inspector license.*



2.5 ORGANIZATIONAL CHART



Morris School District Board of Education Organizational Chart



Tectonic

LSRP / PROJECT DIRECTOR
David Morris, LSRP, CHMM
Vice President of Environmental
Services, New Jersey

HEALTH & SAFETY

James Armstrong, CIH, LEED AP
Health & Safety Officer

QUALITY ASSURANCE

Peter Sutherland, PE, LEP, PG
QA/QC Manager

HAZARDOUS MATERIALS: ASBESTOS, MOLD, LEAD

Chris Callinan
Senior Environmental Scientist

Joseph Kinsella
Environmental Scientist

Connor Murphy
Environmental Scientist

Dylan Hurst
Environmental Scientist

Robert Kehler
Asbestos Inspector

ENVIRONMENTAL ENGINEERING SERVICES

Natalie Chupa, LSRP
Senior Project Manager

Kristine Garbarino, PG
Assistant Project Manager

ENVIRONMENTAL ASSESSMENTS

Dina Peoples
Senior Geologist

Chris Camacho
Senior Environmental Scientist

Tectonic Qualifications

- 18 National Offices
- Approximately 500 Total Personnel
- NJSDA Qualified (19 Categories)
- NJDPMC Qualified (19 Categories)
- NJDPMC Laboratory Qualified (23 Specialties)
- NJDEP Office of Quality Assurance (OQA) State-Environmental Laboratory Certification Program (3 Categories)
- NJDEP Underground Storage Tank (UST) Certification Program (4 Categories)
- NJDOH Licensed Indoor Environmental Consultant (LIEC)
- NJDOH Asbestos Safety Control Monitor (ASCM) Firm
- USEPA Lead-Based Paint (LBP) Remediation Certified Firm
- ESCNJ and ERESC Co-op Contracts Active

Legend

PE	Professional Engineer
LSRP	Licensed Site Remediation Professional
CHMM	Certified Hazardous Materials Manager
LEP	Licensed Environmental Professional
PG	Professional Geologist
CIH	Certified Industrial Hygienist
LEED AP	Leadership in Energy and Environmental Design Accredited Professional

Tectonic

2.6 RESUMES OF KEY PERSONNEL



**YEARS OF
EXPERIENCE:** 30+

EDUCATION:
**B.S., Environmental
Analysis & Pollution
Monitoring**
Farnborough College,
Farnborough, UK, 1988

**LICENSES/
CERTIFICATIONS -**

- State of New Jersey,
Licensed Site
Remediation
Professional;
LSRP № 584526
- NJDEP UST
Certification:
Installation, Closure,
Subsurface Evaluation,
Tank Testing;
№ 0014724
- Certified Hazardous
Materials Manager
(CHMM)
- Annual OSHA 40-Hour
HazWOPER
- OSHA 8-Hour
HazWOPER Supervisory
Training
- OSHA 40-Hour
HazWOPER Training
- Federal/NJ Regulated
UST System Class A & B
Operator
- Former NJDEP Qualified
EP Cleanup Star
Participant, 2006

David J. Morris, LSRP, CHMM

Project Director / Vice President of Environmental Services, NJ

SUMMARY:

Mr. Morris manages all hazardous materials programs, including mold & bio-aerosols, asbestos-containing materials (ACM), lead-based paint (LBP), underground storage tanks (USTs), solid and hazardous wastes (S/HW), universal wastes (UW) and other contaminants related to building renovation and demolition activities. Mr. Morris has extensive experience with the administration and execution of complex Term Contracts for inspection, testing and remediation services with Federal New Jersey and Multi-State Agencies. Mr. Morris is well-versed in Jersey and federal environmental regulations pertaining to USTs, IAQ, ACM, hazardous materials management and occupational safety.

RELEVANT PROJECT EXPERIENCE:

Springfield Board of Education; ER&M at Jonathan Dayton HS, LSRP Services; Springfield, NJ; Project Director

– An initial Receptor Evaluation (RE) was performed in accordance with New Jersey Administrative Code (N.J.A.C) 7:26E-1.15 to meet the mandatory New Jersey Department of Environmental Protection (NJDEP) submittal deadline of March 1, 2012. In order to complete the initial RE, a 200 foot radius search around the subject property's borders was performed to find any sensitive populations. A list identifying the potential sensitive populations was created for submittal to NJDEP and included - addresses, facility names and type of use. A map showing the location of these potentially sensitive populations in relation to the subject property was also created for NJDEP submittal. Additionally, a subsurface investigation was performed at the site to determine the vertical and horizontal extent of the impacted soils within the previously documented spill area. The subsurface investigation included the advancement of thirteen geoprobe borings that ranged in depth from 6 feet to 20 feet below existing ground surface. Environmental samples were collected for laboratory analysis. Water samples were collected from previously installed monitoring wells for laboratory analysis.

Glen Ridge Public Schools; Drinking Water Evaluation; Glen Ridge, NJ; Project Director

– Tectonic addressed the lead in drinking water concerns within the school district. Tectonic evaluated the status of various Points of Use (POUs) among the schools' facilities. These services included research and consulting; creation of full new inventories of all POUs for each school and using guidelines to determine which POUs are testable; additional water main testing; POU sampling and analysis; and post remediation sampling of replaced fixtures. Field services included evaluation of environmental quality of the drinking water at the various schools within the District; review of reports and evaluation of the overall significance and implications of the results plus recommendations for the appropriate response/remediation, including verification testing; generation of plumbing profiles for each school; identification of recalled water coolers that are in need of change based on DEP guidance; and preparation of concise report summarizing the review to the District that addresses the appropriate response actions, per significant testing location.

South Orange Maplewood Board of Education (SOMBOE), Maplewood Middle School; Environmental Testing Services; Maplewood NJ; Project Manager

– This project included a three story addition (two floors and a basement) to the existing Maplewood Middle School. Tectonic performed environmental testing and analysis of gathered soils which through excavation work had resulted in mixing native soils with surficial fill underneath a former concrete pavement. Tectonic formally classified and managed the disposition of the soil pile in a way that was compliant with applicable regulations and avoided excessive disposal fees. The fill and excavated soils were tested just after commencement.

Jersey City Board of Education; On-Call Environmental Engineering Services, Capital Projects; Jersey City, NJ; Project Director — Tectonic has been retained by the Jersey City Board of Education to provide professional environmental engineering services on an as-needed basis since 2013. Tectonic was referred into the JCBOE as a potential resource for the resolution of a myriad of environmental consulting and engineering challenges, all ancillary to their capital construction and renovation projects. JCBOE has a combination of aging infrastructure and facilities in conjunction with a multitude of construction projects underway that have resulted in the need for environmental services which were not anticipated; Tectonic is filling the need for professional attendance, inspection and advice on the significance of potential environmental concerns. The issues under review include soil contamination, groundwater pollution, Indoor Air (IA) exposure concerns, underground and aboveground storage tanks, as well as lead-in-drinking water (LIDW) safety.

JCBOE; Preliminary Assessment; Jersey City, NJ – Tectonic is performing a preliminary assessment (PA) report for P.S. 22 Webb Elementary School of which Tectonic is retained as LSRP. Tectonic's PA includes a report identifying any AOCs after performing a diligent study of the school site; an evaluation of the site-specific, current and historic, operational, and environmental information (obtained from individuals, documents, and records) researched to sufficiency; and a site walkover tour to verify the observable features. The final report discusses the findings and implications of field observations due to field conditions.

JCBOE; Chromium Testing; Jersey City, NJ – Tectonic was retained to provide environmental assistance with respect to evaluating the potential for encountering Chromium compounds infiltrating into the interior of an Educational Facility (EF) from surrounding soil, and identifying the potential sources of the infiltrating Chromium exposure in the building. Tectonic researched the potential for CCPW to be present in the soils at the Site, and researched the extensive clean-up history for the property in the past. Tectonic ruled out the potential presence of latent Chromium on interior surfaces (walls and floors) and the absence of Chromium dusts in room air; specifically in the proposed reconstruction work area. Tectonic's services included research, reporting, and environmental testing (sampling and analysis) of the indoor air, surface wipes, and water samples, as indicated.

JCBOE; Drinking Water Evaluation; Jersey City, NJ – Tectonic was retained to address the lead in drinking water concerns within the school district. Tectonic assisted the JCBOE by evaluating the status of various Points of Use (POUs) among the schools' facilities. These services included resolving objectionable results of past testing, and then progressing with strategic testing, all aimed toward compliance and safety; research and consulting; additional water main testing; point of use sampling and analysis; analysis of prior third party sampling; and post remediation sampling of replaced fixtures. Field services included management of evaluation the environmental quality of the drinking water at the various schools within the District; review of reports and evaluation of the overall significance and implications of the results plus recommendations for the appropriate response/remediation, including verification testing; and preparation of concise report summarizing the review to the JCBOE that addressed the appropriate response actions, per significant testing location.

JCBOE; Right to Know Surveys; Jersey City, NJ – In 1995, the requirements for the preparation of New Jersey Right To Know (RTK) Surveys changed; with full RTK surveys required to be submitted every five (5) years, with survey updates to be performed between complete surveys. The scope of the project was to meet the requirements of the RTK Program and assist the client with their compliance efforts. Tectonic reviewed the last full Right to Know (RTK) survey and reviewed the Public Employee's Occupational Safety and Health (PEOSH) records; then visited all the locations to complete their chemical inventories. Tectonic conducted interviews with staff to determine any changes since preparation of the last full RTK surveys. Tectonic coordinated with the New Jersey Department of Health (NJDOH) throughout. Tectonic inputted the RTK info for each building into the NJDOH online reporting system; evaluated the central file for compliance with the RTK Law; and submitted a report detailing the survey, findings, and recommendations. The report included copies of the RTK surveys to be included within all City Central Files. Tectonic updated the Written Hazard Communication Plan (HCP).

JCBOE; Vapor Intrusion Investigations; Jersey City, NJ – Tectonic was retained to perform separate VI investigations for three of the District's schools. Services included utilities mark-out, Department notification & authorization, vapor intrusion workplan with Conceptual Site Model (CSM), site walkthroughs, VI testing via Summa® canisters, TO-15 laboratory analysis, final letter report and submission to the NJDEP. 18 samples (SS, IA, and OA) were taken cumulatively from the schools.

Kearny Board of Education; LSRP Services for Land Planning Site; Kearny, NJ; Project Manager – The site was designated to be a future child care center (CCC) location for the Township. As Tectonic took on the remediation, it resolved the prior technical deficiencies, and proceeded toward closure. As the schedule for redevelopment was exigent, Tectonic performed certain services side-by-side to reduce the overall project term, which included removing numerous USTs, over-excavating (remedial excavating) to address both Petroleum-Contaminated Soils (PCS) and Chemical Contaminated Soils (CCS) - which were removed for off-Site treatment and recycling, documenting the sufficiency of the removals first with field screening the margins of excavations Direct-Reading Instruments (DRI), such as Photo-Ionization detectors (PID) – and then performing Post-Excavation (PX) chemical testing (sampling and analysis) with a contract laboratory, groundwater remediation using the Enhanced Fluid Recovery (EFR) method and verified by chemical testing, soil borings to delineate the known Historic Fill (HF) at the site and remediating interior sumps with contaminated sediments. The remediation effort satisfied the Madden Act legislation and enable the CCC application to be approved.

Kearny Board of Education, Washington Elementary School; Professional Environmental Engineering & LSRP Services; Kearny, NJ; Project Director – This project consisted of providing LSRP Stewardship, preparation of a Health & Safety Plan, and the handling of impacted soils throughout demolition and construction. Tectonic also provided review, approval, and oversight of imported certified clean backfill and topsoil, as well as preparation and submittal of LSRP certification of cap modification and closure for the new proposed playground design. This project was performed with the intent of assisting the Town of Kearny in the completion of renovations at the outdoor play area of the Washington School property in Kearny, NJ. Tectonic reviewed and directly oversaw remediation of contaminated historic fill; and managed import/export materials, contractor activities and budgetary items.

Kearny Board of Education; Lead & Asbestos Consulting Services; Kearny, NJ; Project Director – Tectonic provided technical and management oversight for the Kearny School District construction project that was experiencing significant cost overruns that were primarily attributed to Lead Containing Paint that was impeding the work progress. Tectonic provided expert consulting, adeptly interpreting the applicability of the regulations and finding a path toward completion that maintained compliance and an appropriate level of response to the conditions that were presented. This construction oriented and practical set of workable solutions saved the BOE valuable time and money. Tectonic met the involved parties reviewed and interpreted the prior reports and the revised specification amendments. Tectonic then liaised with the New Jersey State regulators, proposed modifications and provided an alternate compliance option for the owner.

Kearny Board of Education, Lincoln School; Post NFA Compliance Review; Kearny, NJ; Project Director – This project consisted of obtaining a remedial action permit for the Lincoln school facility location in Kearny, NJ. These actions were performed to meet the Administrative Requirements for the Remediation of Contaminated Sites at N.J.A.C 7:26C-7.6. Responsible for historic environmental site review and submission of RAP application for conditionally closed case.

Passaic Schools Board of Education (PBOE); Hazardous Materials Environmental Services; Passaic, NJ; Project Director – Tectonic has been the environmental steward for the Passaic Board of Education, providing environmental consulting. Tectonic is handling the District's issues in regards to asbestos management, lead in drinking water (LIDW) testing, annex assessments and regulations, and quality assurance project plans (QAPP). In addition, Tectonic participates in all public monthly meetings, provides community outreach and informative presentations, and offers legal consultation for potential problems. or the remainder of the contract, Tectonic will act as the liaison between the District and the State to ensure all services and actions are compliant.

South-Orange-Maplewood Board of Education (SOMBOE); Site Investigation and UST Closure; Maplewood, NJ; Project Director – Tectonic was asked to perform a site investigation to rule-out or confirm any gasoline-related petroleum contamination in the soil or groundwater surrounding the current known and in-service UST system. Tectonic's scope of services included: Subsurface Geophysical Survey (SSG) at each bring location; Site Investigation (SI) of Soil in the area of 2,500 gallon, unleaded gasoline UST with subsurface soil sampling via conventional direct push technology (DPT) equipment; Site Investigation of Groundwater with installation of temporary well points (TWs) under supervision of a Tectonic field technician; Laboratory Analysis of Samples for Volatile Organics (VO) plus Tentatively Identified Compounds (TICs), tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MTBE) for both soil and groundwater; Reporting of subsurface data to prepare one (1) concise Site Investigation Report (SIR) of findings that opines upon the current presence or lack of gasoline-contamination in the surficial strata and subsurface; Annual Remediation Fee (ARF) determination; and Final Remediation Documents (FRD) including a Response Action Outcome (RAO) upon completion. Update: Prior investigation found no former UST impacts to soil or ground water but did detect chlorinated solvents in ground water that are unrelated to the gasoline UST, so Tectonic currently is delineating the groundwater of the site.

**YEARS OF
EXPERIENCE:** 31

EDUCATION:

M.S. Civil Engineering
(Geotechnical)
Rensselaer Polytechnic
Institute,
Troy, New York

B.S. Geologic Science
(Structural)
SUNY Albany
Albany, New York

LICENSES:

Professional Engineer:

- New York
- New Jersey
- Connecticut

Connecticut Licensed
Environmental
Professional (LEP #471)

Professional Geologist
(#000309)

CERTIFICATIONS:

- OSHA 40 Hour Hazmat
- NYCOER Turbo Trained
Professional – Gold
Certified

MEMBERSHIPS:

- American Institute of
Professional Geologists
(AIPG) – Member
- ACEC Energy
Committee -Member
2011-2014
- New York State
Wetlands Forum
(NYSWF) Membership.

TRAINING:

OSHA Site Supervisor
Training – 8 hour

Peter T. Sutherland, PE, LEP, PG

QA-QC Officer / Sr. Vice President & Corp. Director of Environmental Services

SUMMARY:

As Sr. Vice President and Corp. Director of Environmental Services, responsibilities include: managing technical services, business development, staff administration, developing conceptual models for site evaluation, and directing a wide range of environmental programs and services, including: Phase I, Phase II and Phase III ESAs; underground storage tanks (USTs) and petroleum spill investigations, remediation plans and removals; remedial design of metals contaminated sites; vapor and gas treatment systems; solid waste landfill investigations, closure design and construction phase services; hydrogeologic investigations, aquifer characterization, pump tests, water quality monitoring and groundwater supply well development; ecological studies including wetlands and endangered species; NEPA/SHPO permitting and compliance; historic preservation and archeological studies; and large scale environmental plans at earthwork construction sites requiring HASPs, CAMPs, Soil Management Plans, and air monitoring of vapors and particulates. In addition, responsible for geotechnical investigations involving: subsurface investigation; slope stability analysis; geotechnical design and construction phase services for building foundations, retaining walls, floor subgrades, pavements and engineered earth structures; slope stability analysis; underdrain system design; and application of geosynthetic materials for drainage, earthwork and structures.

RELEVANT PROJECT EXPERIENCE:

Temple Hill and Meadow Hill Archaeological Investigations, Newburgh Enlarged City School District, Newburgh, NY, Project Manager – In accordance with Section 106 of the National Historic Preservation Act and Section 14.09 of the New York Parks, Recreation and Historic Preservation Law, Tectonic conducted a Phase I Archaeological Investigation for the construction of new athletic fields adjacent to the Temple Hill and Meadow Hill Elementary Schools. The Phase IA background and literature search utilized historic records, site files and historic maps to assess the prehistoric and historic sensitivity of the project areas. During the Phase IB field investigation, shovel test pits were dug at 50 foot intervals throughout the project areas, while eight additional test pits were established around positive find locations to further assess the potential for an archaeological site. Upon completion, reports evaluating the prehistoric and historic significance of each project area were submitted to State Historic Preservation Office (SHPO) for review.

Clarkstown Central School District, North Area Parcel, West Nyack, NY – Project Manager/Senior Environmental Engineer – On behalf of the Clarkstown Central School District (the District), performed detailed historical review and analysis of previous Phase I ESA and Phase II ESA investigation activities of a former light industrial property brownfield that handled limited quantities of hazardous waste as part of a paper research laboratory. Investigated potential environmental impacts related to SVOCs from Thruway road runoff and PCBs from the industrial processes. The medial evaluated included soil, groundwater and sediments in a large pond on site. Provided recommendations to the District pertaining to potential environmental liabilities of acquiring this property from a land developer.

Delaware Valley Schools; New Elementary School Campus, Environmental Assessment Services; Milford, PA; Project Manager – Tectonic conducted a Phase I Environmental Site Assessment per ASTM 1527-05 for a 44 acre agricultural property. The ESA was performed on the multi-parcel property as part of a due diligence investigation for the development

of a proposed new elementary school campus. The ESA investigation included site reconnaissance, interviews with the property owner and local officials, review of reasonably ascertainable records, review of historic documents including aerial photographs and topographic maps, and preparation of the Phase I ESA report. The Phase I ESA investigation revealed several recognized environmental conditions in connection with the property. Additionally, Tectonic performed a federal wetlands delineation of the property as well as percolation testing and a subsurface investigation to provide parameters for storm water basin design.

Fordham University; Community Air Monitoring Plan And Air Monitoring Services, Pure Earth; Bronx, NY; Project Manager – Provided technical services for the expansion project at Fordham University's Rose Hill Campus designed to achieve LEED certification. Provided QA/QC reviewed a community air monitoring plan (CAMP) in accordance with the New York State Department of Health (NYSDOH) Generic Camp Guidance (DER-10) and a site-specific Health and Safety Plan (HASP) in accordance with Occupational Safety and Health Administration (OSHA) standards. Provided technical direction for performance of ambient air monitoring conducted using two Minirams, one upwind and one downwind of earthwork activities, in accordance with CAMP, DER-10 guidelines and site-specific requirements and along the property perimeter fugitive dust emissions. Also provide technical guidance on-site monitoring for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) was performed during earthwork activities using a handheld photo-ionization detector (PID). Established procedures for notifying the contractor to perform measures to control dust, organic vapors and/or odors whenever readings if readings were to exceed threshold levels.

DASNY; Lehman College Complex I; UST; Bronx, NY; Project Manager – The project consisted of environmental investigation to close an open NYSDEC spill number for a UST that had been previously removed and replaced. Provided project management and technical oversight for services, including: reviewed of tank closure reports; environmental subsurface investigation to evaluate reported petroleum contamination; Collection of soil and groundwater samples for analysis; evaluation of analytical results; and prepared updated spill closure report accepted by NYSDEC.

DASNY; Community Air Monitoring Plan and Air Monitoring Service, Lehman College Science Center; Bronx, NY; Project Manager – As project manager, directed environmental monitoring for this project involving the construction of a new science center at the Lehman College campus. Project requirements included: preparation of a community air monitoring plan (CAMP) prepared in accordance TAGM 4031 and New York State Department of Health (NYSDOH) Generic Camp Guidance (DER_10); ambient air monitoring using two minirams, CAMP; conformed with DER-10 guidelines and site-specific requirements and along the property perimeter for fugitive dust emissions.

DASNY, CUNY – York College; Dewatering Design; Jamaica, Queens, NY; Project Manager – Tectonic performed environmental, survey, facility planning, and engineering (civil, hydrogeologic, geotechnical, structural, MEP) services (including feasibility, CEQR, design, and permitting) for a permanent dewatering system at the Academic Core Building of York College. Due to regional changes in groundwater withdrawals on western Long Island, the local groundwater levels have risen three feet above the subbasement slab and are threatening the building's mechanical systems. Based on the subsurface investigation and groundwater modeling and supporting the Project EIS and CEQR process (DASNY OEA served as the lead agency) through numerous public meetings and community outreach opportunities, Tectonic further evaluated several detailed alternative approaches for dewatering the subbasement including pumping with effluent discharge to three different alternative locations, obtaining a SPDES permit to discharge via a private storm sewer, installing a slurry cut-off wall around the building, and retrofitting a waterproofing system within the basement space. Tectonic also performed schematic design and programming for a 12,000 SF water treatment facility to manage groundwater quality within NYSDEC and EPA standards.

Monroe College; Auto Spa Phase I ESA; New Rochelle, New York; Sr. Environmental Engineer/Project Manager – Tectonic conducted a Phase I Environmental Site Assessment per ASTM 1527-05 for parcel located along Main Street that was a former auto repair facility. The ESA was performed on the parcel as part of a due diligence investigation for the purchase and redevelopment of the commercial properties as a dormitory for Monroe College. The ESA investigation included site reconnaissance, interviews with the property owner and local officials, review of reasonably ascertainable records, review of historic documents including aerial photographs and topographic maps, and preparation of the Phase I ESA report. The Phase I ESA investigation revealed several recognized environmental conditions in connection with the property including an underground storage tank.

**YEARS OF
EXPERIENCE:** 35+

James F. Armstrong, CIH, LEED, AP

Corporate Health & Safety Officer

EDUCATION:

B.S., Chemistry,
Southern Connecticut
State University;
New Haven, CT

**A.S., Chemical
Engineering Technology,**
Southern Connecticut
State University;
New Haven, CT

CERTIFICATIONS:

Certified Industrial
Hygienist

LEED® Accredited
Professional

OSHA Authorized
Construction Trainer

OSHA 30-Hour
Construction

OSHA 10-Hour Industry

OSHA 40-Hour
HAZWOPER Certified

NYC DEP BEDC EH&S
Orientation Trainer

US EPA Principal Course
Instructor for Lead-Based
Paint Training

NYS Dept. of Health
Approved Asbestos
Course Instructor

PUBLICATIONS:

Armstrong, Construction
IAQ Management Plans -
"Indoor Air Quality Can
Earn LEED Points" Real
Estate NEW YORK,
September 2007.

SUMMARY:

As Corporate Health & Safety Officer, Mr. Armstrong provides instruction, identification and control of workplace hazards. Mr. Armstrong is responsible for implementing environmental, health & safety systems to promote worker safety, ensure environmental compliance and to achieve Company EHS objectives and targets. Mr. Armstrong also assist's in evaluating the effectiveness of Environmental, Safety, and Health programs and recommends improvements as required. Additionally, responsible for the day-to-day EHS programs and improvement activities.

RELEVANT PROJECT EXPERIENCE:

NYCDEP/Jacobs Associates; Catskill Aqueduct Repair and Rehabilitation Project; Health & Safety Professional/Certified Industrial Hygienist – Acting as the Health & Safety Professional /Certified Industrial Hygienist for the Design Team, Mr. Armstrong's work included Preparation of an Environmental Health & Safety Plan (EHSP), preparation of a Safe Work Plan for Aqueduct entry & Inspections. Mr. Armstrong trained personnel entering the Aqueduct for permit confined space operations including fall protections and lock-out tag-out training. He was responsible for Coordination and review of sub-contractors HASP and work plans, namely, emergency rescue team contracted by Jacobs's to support the inspection. The planning & Design scope consisted of the evaluation of suspected leak locations along the Aqueduct and the design of repairs for such leaks. The evaluation of mechanical equipment was performed, including siphon drain valves, air vents, sluice gate valves and blow-off valves, and the preparation of construction contract documents for repair, replacement, and/or installation of such equipment. A detailed condition assessment was completed for the Aqueduct's interior to identify structural defects, including preparation of detailed construction contract documents for the removal of deposits and biofilm film from the Aqueduct's sidewalls.

Metro North Railroad/RCM Technologies; Cos Cob West Supply Station Up-Grade; Cos Cob Ct.; Project Manager/Environmental Engineer/Certified Industrial Hygienist – The scope of the project was to determine if there were any environmental concerns in regard to potential employee exposures during excavation and installation of new duct banks and determine whether the excavated soil would be suitable for backfill/reuse on site. Mr. Armstrong developed and executed a comprehensive sampling program including hazardous materials sampling, test pit & boring coordination and composite soil sampling. Once soils were classified Mr. Armstrong prepared a technical specification for inclusion in the Contract Documents. The principal items of work included: Hazardous Material Sampling, Soil Sampling & Classification, Remediation Work Plan and Cost Estimating.

NYC Office of Management and Budget/ARCADIS U.S., Inc.; Pre-Scoping for the New York State Pavilion Former Site of the World's Fair; Queens, NY; Project Manager/Environmental Engineer/Certified Industrial Hygienist – Mr. Armstrong provided environmental consulting service in conjunction with the “Pre-Scoping” design efforts for the New York Pavilion formerly the site of the World's Fair in Queens New York. The principal items of work included Hazardous Material Sampling, Development of Pre-Scoping Report, Conceptual Cost Estimating, Support the Development of Schematics Design. Mr. Armstrong developed and executed a comprehensive hazardous materials sampling plan. The purpose of the sampling was to determine if there were any potential environmental concerns that would need to be addressed as part of a rehabilitations project. Mr. Armstrong developed a Pre-Scoping Report, provided a conceptual cost estimate and supported the development of schematics design.

NYCDEP/Shaw, Baker, Gannet-Flemming, JV; Newtown Creek WPCP - Plant Upgrade-Sludge Force Main and Loading Dock; Newtown Creek WPCP – The work under this Contract included all structures and equipment work for the Sludge Force Main and Loading Dock at the Newtown Creek WPCP. The project consisted of construction of two new 20-inch sludge force mains, cleaning, capping and abandoning in place the existing 18-inch sludge force main, demolition of the East River Sludge Storage Tank, construction of new Newtown Creek Sludge Loading Dock, maintenance dredging in Whale Creek Canal & Newtown Creek, cleaning and inspection of six (6) digesters and Sludge Storage Tanks 1 and 2. Acting as the Health & Safety Professional /Certified Industrial Hygienist for the Construction Management team, Mr. Armstrong prepared a Site-Specific Health and Safety Plan, including task-specific Job Hazard Analyses (JHAs) that identified and provided control measures of potential hazards, safe work practices, site air monitoring programs as well as the development and presentation of NYC DEP required site training. Mr. Armstrong also reviewed Contractor submittals.

NYCDEP/Black & Veatch (B&V); NYC DEP - VFD Study: Investigation of the use of Medium Voltage Variable Frequency Drives (VFDs) at DEP Facilities – The scope of the work required multiple site visits by the Design Team including the following sites: Jamaica, Hunts Point, Bowery Bay, Manhattan Pump Station, Croton WTP, and North River WWTP. Acting as the Health & Safety Professional /Certified Industrial Hygienist for the Design Team, Mr. Armstrong prepared a Site-Specific Health and Safety Plan, including task-specific Job Hazard Analyses (JHAs) that identified and provided control measures of potential hazards and safe work practices. The JHA's needed to concentrate on inspection & data collection in live Electric Rooms and work in potentially “hazardous” atmospheres.

Dormitory Authority, State of New York (DASNY); Regional Consulting Contract; Various Locations, Project Manager/Certified Industrial Hygienist – Mr. Armstrong was solely responsible for securing and managing a regional consulting contract with DASNY. Mr. Armstrong worked closely with architects, engineers and environmental scientists in performing comprehensive consulting services for various DASNY projects throughout the metropolitan New York City area. Services included hazardous material sampling, detailed cost estimating, remediation design & bid documents and remediation oversight. Accurate cost estimating and scope development was key both in negotiations and during construction. During the construction phase, Mr. Armstrong provided technical support and guidance to project managers, engineers, and field technicians.

NYCDEP/HAKS Engineers, Architects & Land Surveys; Replacement /Upgrading of Chemical Bulk Storage and Petroleum Bulk Storage Tanks, Bowery Bay Wastewater Treatment Plant – This Contract included CM services for the Replacement/Upgrading of CBS and PBS tanks. The principal items of construction work included demolition and replacement of the hypochlorite system, rehabilitation of the existing chlorine building and installation of a sodium hypochlorite fill station, and demolition of existing chemical fill station. Acting as the Health & Safety Professional/Certified Industrial Hygienist for the CM team, Mr. Armstrong prepared a site-specific health and safety plan (HASP) including task-specific Job Hazard Analyses (JHAs) that identified and provided control measures of potential hazards, safe work practices, as well as the development and presentation of NYC DEP-required site training. The HASP considered applicable DEP Environmental Health and Safety Policies and Procedures in those instances where they were more stringent than other governing regulations such as OSHA, EPA and NYSDEC. In addition, Mr. Armstrong reviewed the HASP prepared by the prime contractor for conformance with contract documents.

United States Postal Services; Certified Industrial Hygienist – Mr. Armstrong provided a wide range of environmental consulting for the United States Postal Service. Acting as a consultant, Mr. Armstrong provided professional CIH services on wide range of projects throughout the metropolitan New York City region. His work included hazardous material identification, detailed cost estimating, remediation design and bid documents. As part of the pre-

construction phase Mr. Armstrong provided awareness training to postal management and union staff. During the construction phase Mr. Armstrong reviewed and approved contractor submittals and provided remediation oversight.

United State Environmental Protection Agency; Principal Course Instructor – Mr. Armstrong developed, secured EPA approval, and presented EPA “LEADSAFETY” for Remodeling, Repair and Painting Certified Renovator and “Dust Sampling Technician” course work.

New York State Parks, Recreation and Historical Preservation; Certified Industrial Hygienist – Performed consulting services for a lead-based paint survey performed at residential houses located within the Bear Mountain State Park. Sampling was performed using an XRF analyzer. Results and data evaluation were provided to the New York State Parks, Recreation and Historical Preservation Department in a report developed by Mr. Armstrong.

West Point Military Academy; Certified Industrial Hygienist – Mr. Armstrong provided confined space entry training for personnel to enter storm drains and sewers. Mr. Armstrong also developed and executed a comprehensive hazardous materials sampling plan. The purpose of the sampling was to determine if there were potential environmental concerns that would need to be addressed as part of a rehabilitations project. Mr. Armstrong developed a Pre-Scoping Report, provided a conceptual cost estimate and supported development of schematics design.

New York City Department of Environmental Protection; Various Projects; Environmental Health & Safety Professional Trainer – Mr. Armstrong developed and provided monthly training sessions to Contract Management (CM) personnel and inspection staff for several NYCDEP projects. Training topics included confined space entry, NYS Right -to- Know /Hazard Communication, fall protection, electrical safety, lock out/tag out, arc flash, blood-borne pathogens, universal waste and exposure to asbestos, lead, mercury, PCBs and silica.

**YEARS OF
EXPERIENCE:** 10+

EDUCATION:
**B.S., Environmental
Science**
Richard Stockton
University

**LICENSES/
CERTIFICATIONS:**

- Licensed Site Remediation Professional, #783208

- 40-Hour HAZWOPER OSHA (2010)
- 8-Hour HAZWOPER Supervisor (2010)
- 8-Hour HAZWOPER OSHA refresher (2017)
- API Worksafe (2010)
- Loss Prevention System (LPS) (2010)

- AFFILIATIONS:**
- NJ Licensed Site Remediation Professional Association - Member
 - Society of Women Environmental Professionals (SWEP) - NJ Chapter - Member
 - Ocean County College - 100 Women Campaign - Member & Mentor

Natalie Chupa, LSRP

Senior Environmental Project Manager

SUMMARY:

As an Environmental Project Manager, responsibilities include management of hazardous materials identification and quantification surveys, and subsequent remediation design specifications, mold, asbestos, lead paint and hazardous materials abatement, designs and implements FAM/field screening and delineation of contamination during site investigations (SIs) and remedial investigations (RIs); prepares strategic monitoring programs for workplace exposure to chemical and physical hazards; and conducts indoor air quality (IAQ) assessments.

RELEVANT PROJECT EXPERIENCE:

Passaic Schools Board of Education (PBOE); Hazardous Materials Environmental Services; Passaic, NJ; Project Manager – Tectonic has been the environmental steward for the Passaic Board of Education, providing environmental consulting. Tectonic is handling the District's issues in regards to asbestos management, lead in drinking water (LIDW) testing, annex assessments and regulations, and quality assurance project plans (QAPP). In addition, Tectonic participates in all public monthly meetings, provides community outreach and informative presentations, and offers legal consultation for potential problems. or the remainder of the contract, Tectonic will act as the liaison between the District and the State to ensure all services and actions are compliant.

PBOE; Asbestos Inspections and Monitoring Services; Passaic, NJ – Tectonic performed asbestos inspections for over 15 facilities within the District, which included initial inspections, 3-year & 6-month periodic surveillance, and 3-year reinspections. All inspections were performed by certified NYS Dept. of Labor Building Inspectors and involved concise reporting, tabulation, and recommendations.

PBOE; Lead-In-Drinking Water (LIDW) Testing and Monitoring; Passaic, NJ – Tectonic performed ad-hoc lead-in-drinking water (LIDW) testing District-wide, which included touring facilities with floor plans and escorts, facility flushing, first- and second-draw drinking water samples, laboratory testing conducted, final reporting within a NJDEP testing deliverables package, and client recommendations based on testing results. These services involved testing for 5 facilities, totaling over 100 POU's.

Glen Ridge Public Schools; Drinking Water Evaluation; Glen Ridge, NJ; Project Manager – Tectonic addressed the lead in drinking water concerns within the school district. Tectonic evaluated the status of various Points of Use (POUs) among the schools' facilities. These services included research and consulting; creation of full new inventories of all POU's for each school and using guidelines to determine which POU's are testable; additional water main testing; POU sampling and analysis; and post remediation sampling of replaced fixtures. Field services included evaluation of environmental quality of the drinking water at the various schools within the District; review of reports and evaluation of the overall significance and implications of the results plus recommendations for the appropriate response/remediation, including verification testing; generation of plumbing profiles for each school; identification of recalled water coolers that are in need of change based on DEP guidance; and preparation of concise report summarizing the review to the District that addresses the appropriate response actions, per significant testing location.

Jersey City Board of Education; On-Call Environmental Engineering Services, Capital Projects; Jersey City, NJ; Project Manager — Tectonic has been retained by the Jersey City Board of Education to provide professional environmental engineering services on an as-needed basis since 2013. Tectonic was referred into the JCBOE as a potential resource for the resolution of a myriad of environmental consulting and engineering challenges, all ancillary to their capital construction and renovation projects. JCBOE has a combination of aging infrastructure and facilities in conjunction with a multitude of construction projects underway that have resulted in the need for environmental services which were not anticipated; Tectonic is filling the need for professional attendance, inspection and advice on the significance of potential environmental concerns. The issues under review include soil contamination, groundwater pollution, Indoor Air (IA) exposure concerns, underground and aboveground storage tanks, as well as lead-in-drinking water (LIDW) safety.

JCBOE; Preliminary Assessment; Jersey City, NJ – Tectonic is performing a preliminary assessment (PA) report for P.S. 22 Webb Elementary School for which Tectonic is retained as LSRP. Tectonic's PA includes a report identifying any AOCs after performing a diligent study of the school site; an evaluation of the site-specific, current and historic, operational, and environmental information (obtained from individuals, documents, and records) researched to sufficiency; and a site walkover tour to verify the observable features. The final report discusses the findings and implications of field observations due to field conditions.

JCBOE; Chromium Testing; Jersey City, NJ – Tectonic was retained to provide environmental assistance with respect to evaluating the potential for encountering Chromium compounds infiltrating into the interior of an Educational Facility (EF) from surrounding soil, and identifying the potential sources of the infiltrating Chromium exposure in the building. Tectonic researched the potential for CCPW to be present in the soils at the Site, and researched the extensive clean-up history for the property in the past. Tectonic ruled out the potential presence of latent Chromium on interior surfaces (walls and floors) and the absence of Chromium dusts in room air; specifically in the proposed reconstruction work area. Tectonic's services included research, reporting, and environmental testing (sampling and analysis) of the indoor air, surface wipes, and water samples, as indicated.

JCBOE; Drinking Water Evaluation; Jersey City, NJ – Tectonic was retained to address the lead in drinking water concerns within the school district. Tectonic assisted the JCBOE by evaluating the status of various Points of Use (POUs) among the schools' facilities. These services included resolving objectionable results of past testing, and then progressing with strategic testing, all aimed toward compliance and safety; research and consulting; additional water main testing; point of use sampling and analysis; analysis of prior third party sampling; and post remediation sampling of replaced fixtures. Field services included management of evaluation the environmental quality of the drinking water at the various schools within the District; review of reports and evaluation of the overall significance and implications of the results plus recommendations for the appropriate response/remediation, including verification testing; and preparation of concise report summarizing the review to the JCBOE that addressed the appropriate response actions, per significant testing location.

JCBOE; Right to Know Surveys; Jersey City, NJ – In 1995, the requirements for the preparation of New Jersey Right To Know (RTK) Surveys changed; with full RTK surveys required to be submitted every five (5) years, with survey updates to be performed between complete surveys. The scope of the project was to meet the requirements of the RTK Program and assist the client with their compliance efforts. Tectonic reviewed the last full Right to Know (RTK) survey and reviewed the Public Employee's Occupational Safety and Health (PEOSH) records; then visited all the locations to complete their chemical inventories. Tectonic conducted interviews with staff to determine any changes since preparation of the last full RTK surveys. Tectonic coordinated with the New Jersey Department of Health (NJDOH) throughout. Tectonic inputted the RTK info for each building into the NJDOH online reporting system; evaluated the central file for compliance with the RTK Law; and submitted a report detailing the survey, findings, and recommendations. The report included copies of the RTK surveys to be included within all City Central Files. Tectonic updated the Written Hazard Communication Plan (HCP).

JCBOE; Vapor Intrusion Investigations; Jersey City, NJ – Tectonic was retained to perform separate VI investigations for three of the District's schools. Services included utilities mark-out, Department notification & authorization, vapor intrusion workplan with Conceptual Site Model (CSM), site walkthroughs, VI testing via Summa® canisters, TO-15 laboratory analysis, final letter report and submission to the NJDEP. 18 samples (SS, IA, and OA) were taken cumulatively from the schools.

Kean University; Hazardous Materials Abatement and Preliminary Engineering for Demolition of Willis Hall; Union, NJ; Project Manager – Tectonic was asked to participate in Kean University’s demolition of Willis Hall. The building contains known asbestos materials requiring decontamination before demolition. Tectonic oversaw both the decontamination and demolition of the structure. Tectonic’s services included creation of design documents (project plans and specs) for the abatement & demolition; hazardous materials (HM) identification survey with subsurface geophysical survey (SSG), sampling, and lab analysis; preliminary engineering for decontamination; leading of pre-mid meeting and advice during procurement phase; decontamination monitoring of HM abatement including air monitoring, sampling, and analysis; obtaining all required demolition permits including Soil Erosion and Sediment Control (SESC); clean fill verification with backfill compaction testing; and full project close-out.

South-Orange-Maplewood Board of Education (SOMBOE); Site Investigation and UST Closure; Maplewood, NJ; Project Manager – Tectonic was asked to perform a site investigation to rule-out or confirm any gasoline-related petroleum contamination in the soil or groundwater surrounding the current known and in-service UST system. Tectonic’s scope of services included: Subsurface Geophysical Survey (SSG) at each bring location; Site Investigation (SI) of Soil in the area of 2,500 gallon, unleaded gasoline UST with subsurface soil sampling via conventional direct push technology (DPT) equipment; Site Investigation with installation of temporary well points (TWs) under supervision of a Tectonic field technician; Laboratory Analysis of Samples for Volatile Organics (VO) plus Tentatively Identified Compounds (TICs), tertiary butyl alcohol (TBA) and methyl tertiary butyl ether (MTBE) for both soil and groundwater; Reporting of subsurface data to prepare one (1) concise Site Investigation Report (SIR) of findings that opines upon the current presence or lack of gasoline-contamination in the surficial strata and subsurface; Annual Remediation Fee (ARF) Certification determination; and Final Remediation Documents (FRD) including a Response Action Outcome (RAO) submitted to the NJDEP upon completion. 2017 Update: Prior investigation found no former UST impacts to soil or ground water but did detect chlorinated solvents in ground water that are unrelated to the gasoline UST, so Tectonic currently is delineating the groundwater of the site.

Kearny Board of Education; Lead & Asbestos Consulting Services; Kearny, NJ; Project Manager – Tectonic provided technical and management oversight for the Kearny School District construction project that was experiencing significant cost overruns that were primarily attributed to Lead Containing Paint that was impeding the work progress. Tectonic provided expert consulting, adeptly interpreting the applicability of the regulations and finding a path toward completion that maintained compliance and an appropriate level of response to the conditions that were presented. This construction oriented and practical set of workable solutions saved the BOE valuable time and money. Tectonic met the involved parties reviewed and interpreted the prior reports and the revised specification amendments. Tectonic then liaised with the New Jersey State regulators, proposed modifications and provided an alternate compliance option for the owner.

Maria L. Varisco-Rodgers Charter School; Environmental Services—Indoor Vapor Study; Newark, NJ; Project Manager – This project consisted of providing LSRP Retention, a Site Visit, preliminary assessment (PA), and Environmental Assessment & Reporting of the child care center’s potential occupancy of the site in Newark, NJ. This work was done to progress the NJDCF child care center licensure for the client. Coordinated between State agencies, reviewed environmental site usage and operational history, and evaluated current environmental exposure. As the site is located on contaminated land, a VI (Vapor Intrusion/Indoor Vapor) study was required to remediate PCE impacted ground water. Tectonic’s VI study included VI testing via Summa® canisters, laboratory analysis of TO-15, subslab soil/gas sampling, compliance reporting, project management, consulting, and Response Action Outcome (RAO) document creation.

Archdiocese of Newark, Our Lady Help of Christians School; IEHA Testing; East Orange, NJ; Project Manager – Tectonic currently is performing IEHA testing for an initial license for a child care facility in Essex County. Services include indoor air testing by collecting Indoor Air and Outdoor Air samples, then analyzing the samples for Volatile Organic Compounds (VOCs) in accordance with USEPA Method TO-15. Other services include collecting shallow soil samples from the existing OPA, then analyzing the samples for the United States Environmental Protection Agency (USEPA) Target Compound List/Target Analyte List (TCL/TAL). Finally, Tectonic will coordinate for a NJDOH-certified Licensed Indoor Environmental Consultant to conduct and submit an IEHA for the purpose of obtaining an NJDOH Safe Building Interior Certificate (SBIC).

Archdiocese of Newark, St. Michael’s Aftercare/Kindergarten Child Care Center; Preliminary Assessment and Indoor Environmental Health Assessment; Newark, NJ; Project Manager – Tectonic prepared a preliminary assessment (PA) report after reviewing the site’s environmental-related history and use. The report involved record reviews, interviews and a walkover tour. Also, Tectonic is preparing an indoor environmental health assessment (IEHA) to satisfy the NJDOH, by obtaining an NJDOH Safe Building Interior Certificate. Finally, Tectonic is operating as the LSRP steward for this project.

**YEARS OF
EXPERIENCE:** 11

Kristine Garbarino, PG

Assistant Project Manager

EDUCATION:

M.S., Environmental Science,
Pace University

B.S., Env. GeoScience, SUNY
New Paltz

A.S., Math & Science - OCCC

LICENSES:

Professional Geologist:

- NY, #000205-1
- PA, #PG005182

CERTIFICATIONS:

- NYSDOL Asbestos
Inspector: #15-11524
- DOT Certificate
 - Reasonable Suspicion
Training for DOT-
Covered Supervisors
 - FRA Post - Accident
Training
- Rutgers University
Certificates:
 - Introduction to Wetland
Identification
 - Vegetation Identification
for Wetland Delineation
- Amtrak Contractor
Orientation Certified
- Troxler Nuclear Density
Gauge Certified
- 40 Hour HAZWOPER 29
CFR 1910.120 (e)
- International Code Council
(ICC) Certified Special
Soils Inspector
- OSHA 10 Hour
Construction Safety and
Health
- OSHA Confined Space
Entry 29 CFR 1910.146
- NYCOER Turbo Trained
Professional – Gold
Certified

SUMMARY:

As Assistant Project Manager, responsibilities include leading efforts for the preparation and implementation of Phase I Environmental Site Assessments in accordance with ASTM standard E 1527; Phase II ESA and UST investigations in general conformance with ASTM E 1903. Additional responsibilities included directing the preparation and implementation of field sampling plans, sub-surface investigation design and oversight during remedial construction activity, and developing and implementing Community Air Monitoring Programs (CAMP) in accordance with NYSDEC DER-10. Further responsibilities include providing technical direction to junior staff, performing project oversight, directing field staff, and managing budgets.

RELEVANT PROJECT EXPERIENCE:

Springfield Board of Education, Johnathan Dayton High School; Historic Leaking Underground Storage Tank Investigation (UST); Springfield, NJ; Geologist III – An initial Receptor Evaluation (RE) was performed in accordance with New Jersey Administrative Code (N.J.A.C) 7:26E-1.15 to meet the mandatory New Jersey Department of Environmental Protection (NJDEP) submittal deadline of March 1, 2012. In order to complete the initial RE, a 200-foot radius search around the subject property's borders was performed to find any sensitive populations. A list identifying the potential sensitive populations was created for submittal to NJDEP and included: addresses, facility names and type of use. A map showing the location of these potentially sensitive populations in relation to the subject property was also created for NJDEP submittal. Additionally, a subsurface investigation was performed at the site to determine the vertical and horizontal extent of the impacted soils within the previously documented spill area. The subsurface investigation included the advancement of thirteen geoprobe borings that ranged in depth from 6 feet to 20 feet below existing ground surface. Environmental samples were collected for laboratory analysis. Water samples were collected from previously installed monitoring wells for laboratory analysis.

Kearny Board of Education, CEVA Property Remedial Investigation; Kearny, NJ; Geologist III – Work at this site consisted of field oversight of the installation of four temporary well points. The wells were installed after the removal of contaminated soils to obtain groundwater samples for analysis. The wells were installed to depths of approximately twelve feet below existing ground surface. Soils were screened with a MiniRAE 3000 Photo Ionization Detector (PID) and were classified utilizing the Unified Soil Classification System (USCS). Each well was developed utilizing a disposable bailer for a minimum of three well volumes. Recovery rates were noted on well installation logs.

NYCSCA I.S. 145, Bronx, Waste Characterization Services; Bronx, NY; Project Manager – The New York City School Construction Authority (SCA) initiated improvements at I.S. 145 at 1000 Teller Avenue, Bronx, NY. The improvements included the complete replacement of a reinforced concrete retaining wall and chain link fence, asphalt alleyway paving, backfill and replacement of a drained system below the asphalt. Tectonic performed waste characterization of soils scheduled for excavation at the project site. This was conducted in accordance with the approved Excavated Materials Disposal Plan (EMDP) which was prepared by Tectonic and reviewed and approved by the SCA.

DASNY; Lehman College Science Center Air Monitoring Program; Bronx, NY; Environmental Scientist – This project consisted of the collection of soil samples for waste characterization analysis, development of the Community Air Monitoring Program (CAMP) in accordance with TAGM 4031 and New York State Department of Health (NYSDOH) Generic Camp Guidance (DER-10). Responsibilities included verification of conformance of the CAMP by utilizing two real time data logging aerosol air monitors at upwind and downwind locations at the site's perimeters. Additional responsibilities included the preparation of a weekly air monitoring report distributed to the Dormitory Authority of New York (DASNY).

York College; Hydrogeologic Investigation and Feasibility Study; Queens, NY; Geologist II – This project consisted of a feasibility study for a proposed water infiltration and detention pond on the York College Campus located in Queens, NY. There were three areas proposed for the location of the pond. The feasibility study consisted of soil borings at each of the locations which included standard spit spoon sampling as well as screening each spoon with a MiniRAE Photo Ionization Detector (PID). A monitoring well was installed at each location and ground water levels were measured over the course of the investigation. Wells were developed and purged and ground water samples were obtained using industry standard protocols. Test pits were excavated at each of the proposed locations and logged. Additionally, infiltration testing was performed and logged at discrete elevations within each test pit. Hydraulic Penetration Testing (HPT) was performed at one of the locations proposed for the pond location and monitoring wells were installed, developed and monitored. A neighborhood reconnaissance investigation was performed which included walk-by inspections of properties within a three block radius of the proposed pond and writing down and photographing observations with regards to basement depths. Responsibilities also included final report preparation including a review of an environmental database report of known environmental contaminant source locations for review by the project engineer.

Iona College; North Avenue Vapor Monitoring Well Installation & Sampling; New Rochelle, NY; Senior Geologist / Project Manager – Tectonic was retained by Iona College to perform Vapor Monitoring Well Installation & Sampling for developed property consisting of commercial buildings containing four commercial businesses. Tectonic performed a subsurface investigation that included soil borings, collection of samples and laboratory analysis. Services also included the installation of a groundwater monitoring well and collection of groundwater samples for laboratory analysis. A sub-slab and basement vapor survey was conducted to assess the presence of volatile organic vapors that might indicate contaminants from a groundwater plume or vadose (unsaturated soil) zone vapor migration.

Iona College; Phase II ESA and Vapor Intrusion Investigation, North Avenue; New Rochelle, NY; Geologist – Tectonic was retained by Iona College to perform Vapor Monitoring Well Installation & Sampling for developed property consisting of commercial buildings which contains four commercial businesses. Tectonic performed a subsurface investigation that included soil borings, collection of samples and laboratory analysis. Services also included the installation of a groundwater monitoring well and the collection of groundwater samples for laboratory analysis. A sub-slab and basement vapor survey was conducted to assess the presence of volatile organic vapors that might indicate contaminants from a groundwater plume or vadose (unsaturated soil) zone vapor migration.

Fordham University; Community Air Monitoring Plan and Air Monitoring Services, Pure Earth,; Bronx, NY; Geologist II – As field inspector, performed environmental monitoring for this project involving the expansion at Fordham University's Rose Hill Campus, which is a LEED eligible for certification. Verified conformance with the community air monitoring plan (CAMP) in accordance TAGM 4031 and New York State Department of Health (NYSDOH) Generic Camp Guidance (DER-10). Responsibilities included ambient air monitoring using two minirams, one upwind and one downwind of earthwork activities, in accordance with CAMP, DER-10 guidelines and site-specific requirements and along the property perimeter for fugitive dust emissions. In addition, also performed on-site monitoring for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) during earthwork activities using a handheld photo-ionization detector (PID).

City of Jersey City, NJ, Environmental Consulting Services for HUD-funded Projects, Senior Geologist – Tectonic is assisting the City of Jersey City Department of Community Development in responding to deficiencies in their Community Development programs, identified by a Housing and Urban Development, Office of Inspector General (HUD OIG) Audit. Tectonic is performing an environmental review and **lead testing for homes** funded by the City for rehabilitation and renovation activities. The project involves the retesting of 25 Community Development Block Grant funded homes through their Homeowner Rehabilitation Program. Tectonic will test the current eligible applicants under this program according to **HUD Lead Testing Standards** outlined in 24 CFR part 35. Tectonic will assist in program development, best practices, manual creation, as well as any National Environmental Policy Act (NEPA) Environmental Review under CFR 24 part 55 for any of the City's other HUD funded programs as needed.

Paterson Habitat for Humanity; Preliminary Assessment; Paterson, NJ; Environmental Scientist – A preliminary assessment was performed in accordance with the New Jersey Department of Environmental Protection's Site Remediation Program under N.J.A.C. 7:26E – 1.15. A site reconnaissance was performed to identify any potential areas of concern (AOCs) as defined by N.J.A.C. 7:26E. Additionally, Open Public Records Act (OPRA) documentation was requested from the city of Paterson and was reviewed as were owner and user questionnaires. Upon receipt, these documents were reviewed for any potential AOCs. A preliminary assessment report describing the findings was prepared.

KDC Solar; Preliminary Assessment; Somerset County, NJ; Environmental Scientist – This project consisted of the preparation of a Preliminary Assessment (PA) for a proposed 9,996 panel photovoltaic solar array. The project site was located within an active rock quarry in Somerset County, New Jersey. The investigation and subsequent report was prepared in general accordance with the procedures set forth in New Jersey Administrative Code (N.J.A.C) 7:26E et seq and consisted of a an OPRA records review at the New Jersey Department of Environmental Conservation offices, a site reconnaissance and the preparation of the PA report for submittal to the NJDEP.

Our Lady of Czestochowa Church; Remedial Investigation; Jersey City, NJ; Geologist – Tectonic provided LSRP services to assist the OLC School with closure of their site. Prior work at Site included an unresolved heating oil leak from an Underground Storage Tank (UST). Groundwater impacts were revealed and Tectonic opted-in under ARRCs and completed initial Receptor Evaluation (RE), public outreach and notification was completed. The Remedial Investigation Workplan (RIW) was prepared to investigate soils and groundwater surrounding grave. The Soil borings via hydraulic auger are pending, and installation of permanent Monitoring Wells (MW's) are triangulating the UST grave. The outcome of the Remedial Investigation (RI) of soils and groundwater are pending testing (sampling & analysis) results at this time.

Governor's Office of Storm Recovery (GOSR); CDBG-DR Asbestos & Lead Abatement – Single Family Residential Homes; Various Locations, NY; Senior Geologist/Project Manager – Tectonic performed minor asbestos and lead dust and paint abatement activities in single family residential homes with four or less units in connection with its administration of the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant- Disaster Recovery (CDBG-DR) funds appropriated by the Disaster Relief Appropriations Act, 2013 (Pub. L. 113-2). Based on the nature and location of the asbestos and lead containing building materials, abatement was completed by utilizing either the glove bag method via 29 CFR 1926.1101(g)(5)(ii) [e.g. thermal system insulation (TSI)] or full containment with a negative pressure zone [e.g. surfacing material or insulation].

County of Suffolk DPW; Asbestos Monitoring, Various Locations; Suffolk Cty, NY; Project Manager – Tectonic is performing asbestos project monitoring and bulk sampling on an as-needed basis for various projects throughout Suffolk County, NY. Abatement activities monitored consist of abatement mobilization including but not limited to, set-up of the remote decontamination unit and work area preparation, and active abatement. Bulk sampling and Project Monitoring services were performed in accordance with New York State Department of Labor Code Rule 56.

Lead Based Paint Survey Report CR 72; Pleasant Valley, NY; Project Manager – Tectonic prepared a Lead Based Paint (LBP) Survey Report to provide information regarding the presence of LBP on the interior and exterior surface of three (3) structures located at the Site situated in an area characterized by rural residential development. Tectonic conducted a surface by surface inspection utilizing an x-ray fluorescence (XRF) spectrum analyzer across interior and exterior portions of the three structures. The LBP survey was performed in accordance with the Department of Housing and Urban Development (HUD) Guidelines as detailed in the 2012 version, Chapter 7, the USEPA regulation 40 CFR Part 745 and all state and local regulations. Prior to performing the inspection and after collecting the readings, the XRF was calibrated in accordance with the National Institute of Technology (NIST) standard 2573.

Hamlet of Sparkill, Town of Orangetown NY; Phase I ESA and Limited Subsurface Investigation; Environmental Geologist – The Highway Department of the Hamlet of Sparkill, Town of Orangetown proposed the construction of a commuter parking area in an unused field adjacent to a Little League Baseball field. Performed an ESA investigation in conformance with ASTM E1527-05, including: a site visit, interviews with the property owner and government agencies, review of historic records and government database records, and report preparation. Historic crushed rock fill and miscellaneous debris which included empty 55 gallon drums was noted during the site visit. As an additional service, a limited subsurface investigation was performed to determine the extent and nature of the historic fill material. Ten (10) test pits were excavated, screened with a MiniRAE 3000 photoionization organic vapor meter and two representative composite soil samples were collected for analytical testing. Limited subsurface investigation findings were discussed in the ESA report.

**YEARS OF
EXPERIENCE:** 7

EDUCATION:

M.S. Civil Engineering
Clarkson University,
Potsdam, NY

**B.S. Environmental
Geochemical Science,**
SUNY New Paltz
New Paltz, NY

CERTIFICATIONS:

- USEPA Lead-Based Paint / Risk Assessor #: LBP-R-1210359-1
- NYSDOL Asbestos Inspector #: 16-02544
- MTA NYC Transit Track Safety Certification
- OSHA 40 HR HAZWOPER
- OSHA 10 HR Construction
- OSHA 30 HR Construction
- Microsoft office, ArcGIS, COFECHA, ARSTAN, Aquifer Test, AquaChem, MATLAB, LabVIEW.

MEMBERSHIPS:

- Member of the American Society of Civil Engineers (ASCE)
- Member of the Geological Society of America (GSA)
- Member of the American Association for the Advancement of Science (AAAS)

TRAINING:

- Amtrak Contractor Orientation
- LIRR Roadway Worker Protection Training

Christopher J. Callinan

Senior Environmental Scientist

SUMMARY:

As a Senior Environmental Scientist, responsibilities include the preparation of reports such as Phase I Environmental Site Assessments in accordance with ASTM standard E 1527; includes the performance of site visits, field investigations, interviews, research with state and local governments, environmental records reviews, aerial photograph and topographic map reviews, and development of site environmental backgrounds. Responsible for performing Phase II ESA and UST investigations in general conformance with ASTM E 1903 and remedial construction inspection and monitoring for soil and groundwater removals using particulate air monitors, PIDs and recording all project field documentation. Additional responsibilities include inspection of soil borings and test pits and percolation tests as well as reporting to the project geotechnical engineers on the findings and conditions encountered during the subsurface investigation.

RELEVANT PROJECT EXPERIENCE:

Greenwich School District; Hazardous Materials (HAZMAT) Survey Plan; Greenwich, NY; Staff Engineer II - Provided Hazardous Material Survey services for the Greenwich Central School District which included reviewing demolition plan drawings to focus the survey on areas proposed to be disturbed during planned renovation activities within the existing High School, Middle School, Primary School and Bus Garage. Tectonic mobilized a NYSDOL certified asbestos containing materials (ACM) inspector to collect bulk samples and perform a visual inspection of the structures to document the occurrence of ACM. Tectonic also mobilized a United States Environmental Protection Agency certified Lead Risk Assessor to perform a lead-based paint survey utilizing an X-Ray Fluorescence XRF analyzer. Additionally, Tectonic collected bulk samples of caulking in areas within the school proposed to be disturbed during scheduled demolition and renovation activities for laboratory analysis of polychlorinated biphenyls (PCBs). The results were detailed in a Limited Hazardous Materials Survey Report for submittal to the client.

Wells Central School District; Hazardous Materials (HAZMAT) Survey Plan; Wells, NY; Staff Engineer II - Tectonic prepared and implemented a HAZMAT Survey for the Wells CSD building capital improvement renovation for portions of the school building scheduled to be demolished and/or renovated. The HAZMAT Survey Plan outlined safety measures to protect on-site personnel during sampling, protocols for asbestos containing materials (ACM) bulk sample collection, laboratory analytical procedures, protocols for visual inspection and X-Ray fluorescence (XRF) testing of suspected lead based paint (LBP), and inspection and sampling procedures for potentially PCB-containing building materials. Additionally, Tectonic prepared a limited HAZMAT Survey Report which included: Introduction/Project Description; Names, titles and certifications of ACM/LBP inspectors; Sampling criteria; Analytical Methods; Inspection Results; and AutoCAD Drawings.

Iona College; North Avenue Vapor Monitoring Well Installation & Sampling; New Rochelle, NY; Geologist II - Tectonic performed Vapor Monitoring Well Installation & Sampling for developed property consisting of commercial buildings containing four commercial businesses. Tectonic performed a subsurface investigation that included soil borings, collection of samples and laboratory analysis. Services also included the installation of a groundwater monitoring well and collection of groundwater samples for laboratory analysis. A sub-slab and basement vapor survey was conducted to assess the presence of volatile organic vapors that might indicate contaminants from a groundwater plume or vadose (unsaturated soil) zone vapor migration.

Governor's Office of Storm Recovery (GOSR); CDBG-DR Asbestos & Lead Abatement – Single Family Residential Homes; Various Locations, NY; Geologist – Tectonic performed minor asbestos and lead dust and paint abatement activities in single family residential homes with four or less units in connection with its administration of the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant- Disaster Recovery (CDBG-DR) funds appropriated by the Disaster Relief Appropriations Act, 2013 (Pub. L. 113-2). Based on the nature and location of the asbestos and lead containing building materials, abatement was completed by utilizing either the glove bag method via 29 CFR 1926.1101(g)(5)(ii) [e.g. thermal system insulation (TSI)] or full containment with a negative pressure zone [e.g. surfacing material or insulation].

County of Sullivan; New York Main Street Program, Monticello Broadway Revitalization Initiative; Monticello, NY; Staff Engineer II – Provided Environmental Services on behalf of the owners of three (3) properties selected for a \$300,000.00 grant under the New York Main Street program which the County of Sullivan is the local program administrator. The goal is to stimulate reinvestment to establish and sustain the downtown Monticello neighborhood for housing and mixed-use establishments. In accordance with the Housing Trust Fund Corporation Environmental Compliance Handbook, Tectonic evaluated each property to determine if the site was located on or near hazardous materials or contamination via the performance of Phase I Environmental Site Assessments compliant with ASTM E 1527-13. Tectonic also provided USEPA certified inspectors to conduct lead-based paint surveys, asbestos inspectors certified by the NYS Department of Labor to perform asbestos containing material surveys and collect bulk samples of suspect materials, and qualified personnel to test each structure for indoor radon in accordance with USEPA guidelines and protocols. Tectonic submitted a Hazardous Materials Final Report for each property.

WSP Group; Asbestos Containing Materials (ACM) and Lead Based Paint (LBP) Survey Report Realignment of CR-72; Dutchess County, NY; Geologist – Tectonic prepared an ACM and LBP Survey Report to provide information regarding the presence of LBP and ACM on the interior and exterior surface of three (3) structures located at the Site situated in an area characterized by rural residential development. Tectonic conducted a surface by surface inspection utilizing an x-ray fluorescence (XRF) spectrum analyzer across interior and exterior portions of the three structures. The LBP survey was performed in accordance with the Department of Housing and Urban Development (HUD) Guidelines as detailed in the 2012 version, Chapter 7, the USEPA regulation 40 CFR Part 745 and all state and local regulations. Prior to performing the inspection and after collecting the readings, the XRF was calibrated in accordance with the National Institute of Technology (NIST) standard 2573. Bulk ACM samples were collected in accordance with New York State Department of Labor 12 NYCRR Part 56 (Code Rule 56); and Environmental Protection Agency Asbestos Hazardous Emergency Response Act (AHERA) of 1986, as set forth in 40 CFR Part 763.

MHANY Management Inc.; 906 Rockaway Ave. Lead-based Paint and Asbestos Containing Materials Inspections; Lackawaxen, PA; Staff Engineer II – Provided an asbestos containing materials (ACM) and lead-based paint (LBP) survey at a 3,600 square foot 3-story residential apartment building containing six (6) occupied units scheduled for renovation. The survey included Pre-Renovation Asbestos Inspection and Building Materials Survey; and Lead-Based Paint (LBP) Inspection. This ACM and LBP Survey Report included: summarization of suspect materials sampled and painted surfaces inspected; identification of ACM and LBP, and their locations and approximate quantities; tabulated analytical results comparing ACM bulk samples to regulatory criteria and LBP XRF results to EPA standards for identification as a lead hazard; and laboratory data packages.

USDA; Animal Import Center Asbestos Survey; Rock Tavern, NY; Geologist – As part of planned improvements, the roof on the building at the USDA Animal Import Center in Rock Tavern, NY required repairs which consisted of an unknown material. Responsibilities included conducting an asbestos survey on the rooftop of the approximate 5,100 square foot building. The survey was performed in general accordance with 12 NYCRR Part 56 and included the collection of four (4) bulk samples which were submitted to AmeriSci New York, a New York ELAP certified laboratory, located at 117 East 301h Street in New York, New York for analysis.

K2 Contracting; Zane Grey House – Lead-Based Paint Investigation; Lackawaxen, PA; Staff Engineer II – Provided lead-based paint (LBP) investigation services which included the collection of paint chip and soil samples for laboratory analysis from areas that were scheduled be disturbed during proposed improvements at the Zane Grey House. All investigation activities were performed by OSHA 40-hour HAZWOPER certified personnel in substantial accordance with Appendices 13.2 and 13.3 of the Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing as detailed in the 2012 version and ASTM E1729: Standard Practice for Field Collection of Dried Paint Samples for Subsequent Lead Determination. The results were detailed in a Summary Report to the client.

MTA/LIRR CQ033 East Side Access Mid-Day Storage Yard Facility – Asbestos Containing Material (ACM) Lead-based Paint (LBP) and Hazardous Material Inventory Survey Services – Long Island City, Queens, NY; Geologist II – Responsible for ACM survey plan implementation. Tectonic provided ACM, LBP and Hazardous Material Survey services at the Sunnyside Yard/Harold Interlocking area as part of the East Side Access project. As part of the project, Tectonic prepared an ACM Survey Plan and a LBP Survey Plans for structures scheduled to be demolished, including Yardmaster’s Building, NY & AR Maintenance Building and the Montauk Cutoff Superstructure. Tectonic mobilized NYSDOL certified ACM inspectors to collect bulk samples and perform a visual inspection of the structures to document the occurrence of ACM. EPA certified LBP inspectors were mobilized to perform a LBP survey utilizing XRF. The results of our field work were detailed in an ACM Survey Report and LBP Survey Report that were submitted to the MTA. Additionally, Tectonic prepared an ACM Survey Plan and a LBP Survey for three Amtrak structures scheduled to be demolished. Tectonic mobilized NYSDOL certified ACM inspectors to collect bulk samples and perform a visual inspection of the structures to document the occurrence of ACM. EPA certified LBP inspectors were mobilized to perform a LBP survey utilizing XRF. The results of our field work were detailed in an ACM Survey Report and LBP Survey Report that were submitted to the MTA. Tectonic also mobilized an inspector to document potential hazardous materials contained within the three Amtrak Buildings. The results of the hazardous materials inventory were provided as an addendum in the ACM Survey Report.

MTA/LIRR CQ033 East Side Access Mid-Day Storage Yard Facility Environmental Engineering Services; Queens, NY; Geologist II – Tectonic provided environmental engineering services at the Sunnyside Yard/Harold Interlocking area in Queens, NY as part of the East Side Access project. As part of this project, Tectonic prepared a contract specific environmental compliance plan that included an inventory of hazard and non-hazard materials at the site. Additionally, Tectonic prepared a stormwater pollution prevention plan and erosion control plan and a waste management plan that proposed alternatives to land fills. Tectonic also prepared and implemented a field sampling plan to characterize over 200,000 cubic yards of waste soils at the site. The results of our field work were detailed in a Field Sampling Summary Report that was submitted to the MTA.

MTA/LIRR CQ033 East Side Access Mid-Day Storage Yard Facility Environmental Engineering Services and Asbestos Containing Material (ACM) Lead-based Paint (LBP) and Hazardous Material Inventory Survey Services; Queens, NY; Geologist II – Tectonic provided environmental engineering services at the Sunnyside Yard/Harold Interlocking area in Queens, NY as part of the East Side Access project. Tectonic prepared a contract specific environmental compliance plan that included an inventory of hazard and non-hazard materials at the site. Additionally, Tectonic prepared a stormwater pollution prevention plan and erosion control plan and a waste management plan that proposed alternatives to land fills. Tectonic also prepared and implemented a field sampling plan to characterize over 200,000 cubic yards of waste soils at the site. The results of our field work were detailed in a Field Sampling Summary Report that was submitted to the MTA. Tectonic was also responsible for ACM, LBP and Hazardous Material Survey services as part of this project. Tectonic prepared an ACM Survey Plan and LBP Survey Plan for structures scheduled to be demolished, including Yardmaster’s Building, NY & AR Maintenance Building and the Montauk Cutoff Superstructure. Tectonic mobilized NYSDOL certified ACM inspectors to collect bulk samples and perform a visual inspection of the structures to document the occurrence of ACM. EPA certified LBP inspectors were mobilized to perform a LBP survey utilizing XRF. Tectonic also mobilized an inspector to document potential hazardous materials contained within the three Amtrak Buildings. The results of the hazardous materials inventory were provided as an addendum in the ACM Survey Report. The results of our field work were detailed in an ACM Survey Report and LBP Survey Report that were submitted to the MTA.



**SITE REMEDIATION PROFESSIONAL
LICENSING BOARD
STATE OF NEW JERSEY**

Hereby Certifies:

DAVID J MORRIS

as a LICENSED SITE REMEDIATION PROFESSIONAL
as provided by the
Site Remediation Reform Act, N.J.S.A. 58:10C-1 et seq.

License #: 584526

Expires: 10/22/2021



**SITE REMEDIATION PROFESSIONAL
LICENSING BOARD
STATE OF NEW JERSEY**

Hereby Certifies:

NATALIE A CHUPA

as a LICENSED SITE REMEDIATION PROFESSIONAL
as provided by the
Site Remediation Reform Act, N.J.S.A. 58:10C-1 et seq.

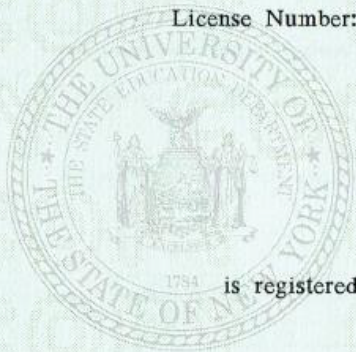
License #: 783208

Expires: 01/07/2022

*The University of the State of New York
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Certificate Number: 9843503



SUTHERLAND PETER THEODORE

is registered to practice in New York State through 07/31/2020 as a(n)
PROFESSIONAL GEOLOGIST

LICENSEE/REGISTRANT


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STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



CHRISTOPHER J CALLINAN
CLASS(EXPIRES)
D INSP(01/21)

CERT# 16-02544
DMV# 177561235

MUST BE CARRIED ON ASBESTOS PROJECTS

United States Environmental Protection Agency

This is to certify that

 Christopher Callinan

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

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires December 28, 2022

LBP-R-1210359-1
Certification #
December 14, 2019
Issued On


Susan Schultz, Acting Chief
Chemicals and Multimedia Programs
Branch



STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE




KRISTINE C GARBARINO
CLASS(EXPIRES)
D INSP(11/20) G SUPR(11/20)

CERT# 15-11524
DMV# 157653977

MUST BE CARRIED ON ASBESTOS PROJECTS

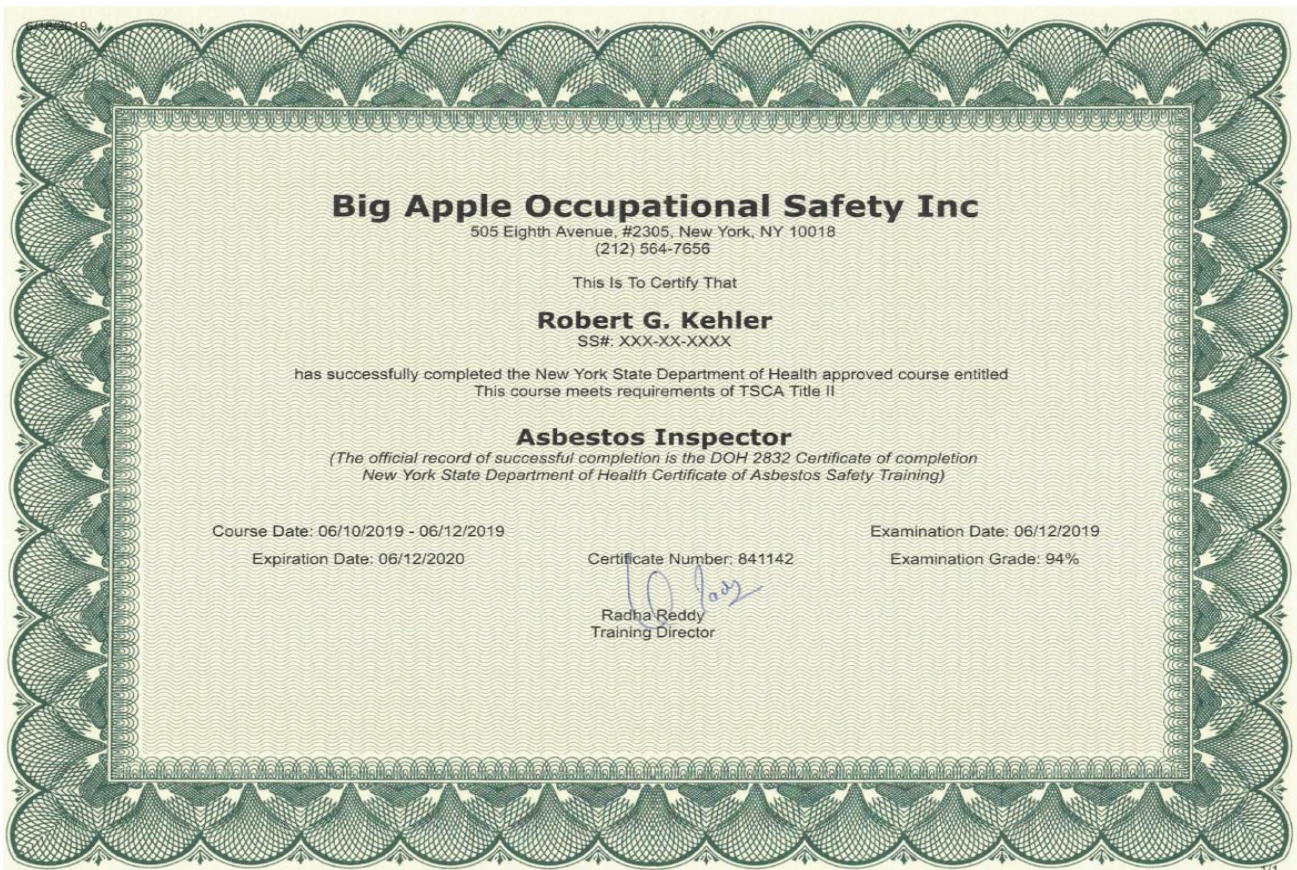
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



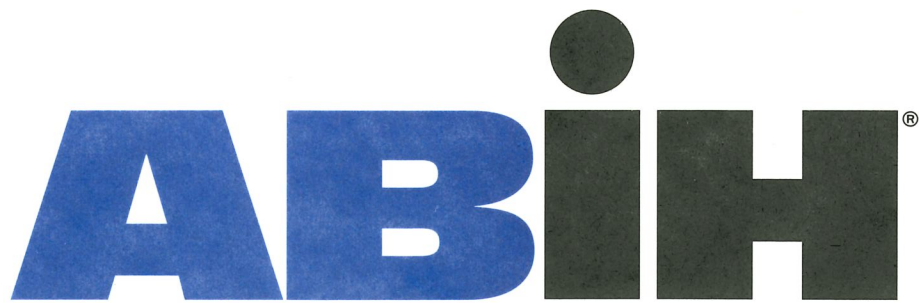
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CERT# 20-02323
DMV# 616642211

MUST BE CARRIED ON ASBESTOS PROJECTS







american board of industrial hygiene®

organized to improve the practice of industrial hygiene
proclaims that

James F. Armstrong

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

**COMPREHENSIVE PRACTICE
of
INDUSTRIAL HYGIENE**

and has the right to use the designations

CERTIFIED INDUSTRIAL HYGIENIST

CIH

Certificate Number	7290 CP
Awarded:	June 25, 1997
Expiration Date:	December 1, 2022



Chair, ABIH

Chief Executive Officer, ABIH

2.7 SELECTED PROJECT EXPERIENCE — 10 PROJECTS

Tectonic NJ Educational Experience Matrix

	ACM	LEAD	MOLD	IEHA	PASI	UST	LSRP	RTK		PEOSH
District	Asbestos Services	Lead-In-Drinking Water Services	Microbial and Mold Studies	Indoor Environment Health Assessment	Phase 1 Site Assessment	Underground Storage Tank Services	Site Remediation & LSRP Oversight	Right-To-Know Services	Public Notification & Outreach	Public Employees Occupational Safety and Health
<i>Jersey City Board of Education</i>	✓			✓	✓	✓	✓	✓	✓	✓
<i>Kearny Board of Education</i>	✓	✓			✓		✓		✓	✓
<i>Passaic Board of Education</i>	✓	✓	✓	✓				✓	✓	✓
<i>South Orange-Maplewood Board of Education</i>					✓	✓	✓		✓	
<i>Glen Ridge Board of Education</i>		✓							✓	
<i>Springfield Board of Education</i>					✓	✓	✓		✓	



PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Springfield Board of Education LSRP Services

Tectonic was referred to the Springfield Board of Education to assist their district with resolving a problematic regulated tank grave. The location had been under remediation since 1991. No less than **seven (7) different firms** working across a span of **twenty-five (25) years** were **unable to close this remediation** under conventional oversight by the NJDEP. Tectonic's **Licensed Site Remediation Professional (LSRP)** reviewed the case file, and the intended remedy to leave residual contamination in place. Tectonic completed a **Remedial Alternatives Analysis (RAA)** and evaluated the costs and timing of differing potential approaches and end-points. Tectonic then performed a **Subsurface Geophysical Survey (SSG)** to clear boring locations; followed by a **limited** and **strategic Geoprobe boring program** (including soil and ground water testing, plus geotechnical and structural analyses). Tectonic defined the horizontal and vertical limits of the recalcitrant impacts, utilizing a Photo Ionization Detector (PID) in the field and chemical analyses at a laboratory that ground-truthed the conditions and verified Tectonic's review findings (completing their **Remedial Investigation (RI)** Phase). The anticipated end-point of a Cap (an Engineering Control) with a Deed Notice (an Institutional Control) and a NJDEP **Remedial Action Permit (RAP)** in perpetuity was avoided - Tectonic engineered an excavation and utilities protection effort that **closed the case without any restrictions or encumbrances**. Tectonic ended the NJDEP's oversight of the school.



PROJECT CLIENT:

Springfield Board of Education (SBOE)

LOCATION:

Jonathan Dayton High School, Springfield, NJ

DATE:

2012

REFERENCE:

Gary Leverance, (609) 259-8077

PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Jersey City Public Schools Board of Education On-Call Environmental Engineering Services

Tectonic has been providing the Jersey City Board of Education professional environmental engineering services on **an annual as-needed basis since 2013**. The City has 39 schools and 3 early childhood centers and is the second largest in the State with approximately 28,000 students. Services included but were not limited to the following:

- Review and evaluate previous **lead in water testing**, reports, etc. as well as remediation activities throughout the entire school system and provide recommendations as to appropriate courses of action, per concern on a case-by-case basis.
- Review NJDEP correspondence for **UST issues** and respond appropriately, pending Licensed Site Remediation Professional (LSRP) retention.
- Recertification of soil **Deed Notices (DN, or Activity Use Limitation, AUL) and Groundwater Classification Exemption Areas (CEA)**.
- **Remedial Action Permitting (RAP)** of soil and groundwater.
- **Indoor air quality testing**/reporting/remediation including mold.
- Other environmental issues as they arise.

Tectonic was referred to the JCBOE as a potential resource for the resolution of a myriad of environmental consulting and engineering challenges, all ancillary to their capital construction and renovation projects. JCBOE has a combination of aging infrastructure and facilities in conjunction with a multitude of construction projects underway that have resulted in the need for environmental services which were not anticipated; Tectonic filled the need for professional attendance, inspection and advice on the significance of potential environmental concerns. The issues under review included soil contamination, construction, demolition, asbestos, PCBs, right to know, solid & hazardous waste, groundwater pollution, **indoor air (IA) exposure** concerns, as well as drinking water safety.



PROJECT CLIENT:

Jersey City Public Schools Board of Education

LOCATION:

Jersey City, NJ

DATE:

2013 - Ongoing

REFERENCE:

Diana Petolino, (201) 915-6027

PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Environmental Engineering Services Drinking Water Evaluation

Tectonic was retained by the Jersey City Public Schools Board of Education in 2016 to provide professional engineering services to evaluate the **environmental quality of the drinking water at the various schools** within the District. Tectonic reviewed the original testing report, including sampling performed by the Jersey City Municipal Utilities Authority (JCMUA), and evaluated the overall significance and implications of the results as well as provided recommendations for the appropriate response/remediation, including verification testing. Tectonic **prepared a concise report** summarizing the review to the JCBOE that addressed the appropriate response actions, per significant testing location. The report included the recommended verification and reassurance testing indicated to confirm the conditions potentially revealed.

Currently, Tectonic and the JCBOE are addressing the lead in drinking water concerns within the JCBOE, which includes resolving objectionable results of past testing, and moving forward with strategic testing, all aimed toward compliance and safety. Services include:

- **Research and Consulting:** If exceedances are found, Tectonic provides recommendations on the best possible way to remediate the laterals, with the intention of finding the least intrusive, yet durable and reliable replacement. Tectonic also consults with NJDEP and EPA representatives on JCBOE matters.
- **Water Main Testing:** Tectonic is sampling water mains with exceedances.
- **Point of Use Sampling and Analysis:** Tectonic will collect drinking water samples for analytical testing of lead at specific POUs, and Tectonic will account for prior testing of hydrants to provide a comprehensive array of sampling.
- **Post-Remediation Sampling of Replaced Fixtures:** Tectonic has issued earlier reports to the JCBOE and is following up on the replaced fixtures. Tectonic is revisiting any exceeding POUs after the installation of a new fixtures and collecting sample at each location to ensure the effectiveness of the remediation.

PROJECT CLIENT:

Jersey City Public Schools Board of Education

LOCATION:

Jersey City, NJ

DATE:

2013 — Ongoing

REFERENCE:

Diana Petolino, (201) 915-6027

SCOPE:

Comprehensive testing for 51 facilities, totaling over 1800 POUs



PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

South Orange-Maplewood Board of Education Site Investigation and UST Closure

Tectonic was asked to perform a site investigation to rule-out or confirm any gasoline-related petroleum contamination in the soil or groundwater surrounding the current known and in-service UST system. Tectonic's scope of services included:

- Subsurface Geophysical Survey (SSG): The private utility-locating sub-contractor performed a **subsurface geophysical survey (SSG)** at each borehole location within a 5-foot radius of each proposed soil boring.
- Site Investigation (SI) of Soil: Tectonic arranged for a boring subcontractor to perform soil borings in the area of the current 2,500 gallon, **unleaded gasoline UST**. Subsurface soil samples were collected using conventional direct push technology (**DPT**) equipment.
- SI of Groundwater: Tectonic arranged for a boring subcontractor to perform the installation of temporary well points (**TWs**) under supervision of a Tectonic field technician. Tectonic installed one (1) TW near the current UST.
- **Laboratory Analysis of Samples:** The samples were receipted to a state authorized contract laboratory for quantification of the presence of Volatile Organics (**VO**) plus Tentatively Identified Compounds (**TICs**), tertiary butyl alcohol (**TBA**) and methyl tertiary butyl ether (**MTBE**) for both soil and groundwater. A total of sixteen (16) samples were collected.
- Reporting: Tectonic organized and interpreted the subsurface data, and evaluated subsurface conditions to prepare **one (1) concise Site Investigation Report (SIR)** of findings that opines upon the current presence or lack of gasoline-contamination in the surficial strata and subsurface.
- Annual Remediation Fee (**ARF**) Certification: Tectonic determined the requisite ARF due the NJDEP from the Person Responsible for **Conduction Remediation (PRCR)** and certified the amount and reasoning.
- Final Remediation Documents (FRD): **Final Remediation Documents including a Response Action Outcome (RAO)** were submitted to the NJDEP upon the complete compliance of the Site with NJDEP requirements based upon this SI study.
- **2017 Update:** Prior investigation found no impacts to soil or ground water from the former UST. However, the investigation did detect **chlorinated solvents** in ground water that are unrelated to the gasoline UST – Tetrachloroethylene (**PCE**) and Trichloroethylene (**TCE**). The NJDEP was notified of the PCE and TCE detections, and Tectonic currently is **delineating the halogenated groundwater (HGW)**, having recently completed a Preliminary Assessment (**PA**) of the site.

PROJECT CLIENT:

South Orange-Maplewood Board of Education (SOMBOE)

LOCATION:

Maintenance Building, Maplewood, NJ

DATE:

2013 – Ongoing

REFERENCE:

William Kyle, (973) 762-5600

PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Kearny Board of Education Environmental Engineering Services

Tectonic provided a post-**No Further Action (NFA) compliance** review of the remediation performed at the Lincoln School in the Kearny Board of Education. The Site was known to have capped contamination as part of a historical Remedial Action (**RA**). With the advent of the **Site Remediation Reform Act (SRRA)** in May 2009 and new rules and changes to cleanup standards since 1997; conditional no further action (**NFA**) cases have an existing and current obligation to have a companion permit from the New Jersey Department of Environmental Protection (**NJDEP** or Department) pursuant to the Administrative Requirements for the Remediation of Contaminated Sites (**ARRCS**) at N.J.A.C. 7:26C-7.6 - incurring annual fees and periodic inspections. In order to do this, Tectonic was tasked with bringing old clean-up work into current compliance at the Site where the prior remediation was left with condition or restrictions.

Tectonic reviewed old case documents from the KBOE to know the current technical requirements for the obtainment of remedial permits for soil and/or groundwater, and performed multiple site walkovers to determine current Site conditions where permitting was required. Tectonic inspected the caps installed for soil engineering controls and the presence of any monitoring wells for groundwater **Classification Exemption Areas (CEAs)**. Finally, Tectonic advised whether there was sufficient information, historical data, and sufficiently intact and protective cap (and existing Monitoring Wells or MW's, for groundwater) present to apply for a permit.



PROJECT CLIENT:

Kearny Board of Education (KBOE)

LOCATION:

Lincoln School, Kearny, NJ

DATE:

2014

REFERENCE:

Mark Bruscino, (201) 955-5000, x5116

PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Hazardous Materials (HM) Services Lead and Asbestos Consulting Services

Tectonic was retained by the **Kearny School District** to assist on a construction project that was experiencing significant cost overruns that were primarily attributed to **Lead Containing Paint** that was impeding the work progress.

Tectonic provided **expert consulting**, adeptly interpreting the applicability of the regulations and finding a path toward completion that maintained compliance and an appropriate level of response to the conditions that were presented. This construction-oriented and practical set of workable solutions **saved the BOE valuable time and money**. Tectonic met the involved parties, reviewed and interpreted the prior reports and the revised specification amendments. Tectonic then liaised with the New Jersey State regulators, proposed modifications and provided an alternate compliance option for the owner.

PROJECT CLIENT:

Kearny Board of Education

LOCATION:

Kearny, NJ

DATE:

2012, 2015 – Present

REFERENCE:

Mark Bruscino, (201) 955-5000



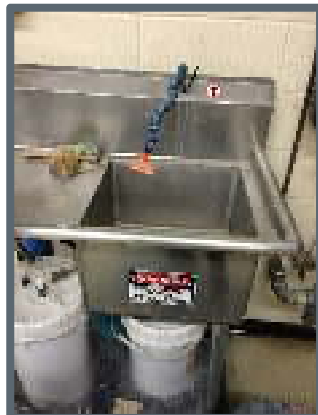
PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Glen Ridge Board of Education Lead in Drinking Water Study

Tectonic was asked to assist the **Glen Ridge Board of Education (GRBOE)** in compliance with the 2016 Rule of the State of New Jersey Department of Education (**NJDOE or DOE**), mandating **lead testing** (sampling and analysis) **of all drinking water outlets** that a student or staff may access at all school facilities before July 13, 2017, and every six (6) years thereafter. The District has seven (7) buildings for evaluation. The locations are Forest School, Ridgewood School, Linden School, Glen Ridge High School, Hurrell Field location, and two District Offices.

Tectonic's services were as follows:

- **Plumbing Profile/Survey:** The State requirement is to prepare a **plumbing survey for each facility**. Tectonic **interviewed** the maintenance supervisor for each facility and toured the facility with a plumbing representative provided by the District, to complete the plumbing profiles per Facility in the format prescribed by the USEPA and NJDOE.
- **Water Point Inventory:** Tectonic completed **inventory of the POU's in each facility**. Tectonic recorded obvious stains, **brass fixtures present**, whether **aerators** are in-place, whether a POU is motion-activated, provides chilled water, its make/model, whether filtered (if so, noting the brand/ make/ model/ installation date/ frequency of replacement/ any NSF approval obvious).
- **Project Plans:** Tectonic prepared the **Quality Assurance Project Plan (QAPP)** that included a **Sampling and Analysis Plan (SAP)**. The QAPP/SAP guided the inventory, selection, flushing, and testing procedures for the Points of Use (**POUs**, or Water Points, **WPs**) and helped obtain scientifically reproducible and reliable data.
- **Drinking Water Policy:** Tectonic developed **District-wide policy points** regarding lead drinking water quality for use at their Facilities.
- **Reporting:** Tectonic provided the District with the final results of the testing in a concise manner, including the recommended items of the NJDOE reporting format, with the NJDEP testing deliverables package.



PROJECT CLIENT:

Glen Ridge Board of Education

LOCATION:

Glen Ridge, NJ

DATE:

2017 – 2019

REFERENCE:

Peter Caprio, (973) 429-8304

SCOPE:

Comprehensive testing for 7 facilities, totaling 500 POU's

PROJECT PROFILE: *Essex County Child Care Center Project*

Our Lady Help of Christians School Indoor Environmental Health Assessment (IEHA)

Tectonic was asked to assist the Our Lady Help of Christians School and the **Archdiocese of Newark** with an **indoor environmental health assessment (IEHA)** regarding a **child care center (CCC)** and **outdoor play area (OPA)**. Operating a child care center (**CCC**) involves the Child Care Subsidy Program and requires a New Jersey Department of Children and Families (**NJDCF**) license to enable the continued subsidy. A NJDCF license requires a Response Action Outcome (**RAO**) and a Safe Building Interior Certificate (**SBIC**) from the New Jersey Department of Health (**NJDOH**). Tectonic was tasked with assisting the CCC in compliance with the aforementioned agencies.

Tectonic's scope of services for the project are as follows:

1. **Indoor Environmental Health Assessment (IEHA)** – Tectonic is providing a **NJDOH-certified** Licensed Indoor Environmental Consultant to conduct and submit an IEHA for the purpose of obtaining an NJDOH Safe Building Interior Certificate (**SBIC**), to meet the NJDOH's criteria and in accordance with N.J.A.C. 8:50.
2. **Indoor Air Testing** – Tectonic will collect **Indoor Air Samples** from the CCC spaces and Outdoor Air (**OA**) sample from the exterior of the building, to be analyzed for Volatile Organic Compounds (**VOCs**) in accordance with USEPA Method TO-15.
3. **Environmental Testing** – Tectonic will collect **shallow soil samples** from the existing OPA. The soil samples will be analyzed for the United States Environmental Protection Agency (**USEPA**) Target Compound List/Target Analyze List (**TCL/TAL**). Samples will be collected from the soils of the CCC OPA and sent to a NJDOH/NJDEP certified laboratory for analysis.

Tectonic's eventual IEHA testing includes an **Asbestos Containing Materials (ACM)** Survey, **Asbestos Building Material (ABM)** Sampling, **Lead Paint Hazard** Survey, **Radon Testing**, **Copper Testing for Drinking Water**, and IEHA Testing Reporting.



PROJECT CLIENT:

Archdiocese of Newark, Our Lady Help of Christians School

LOCATION:

North Clinton Street, East Orange, NJ 07017

DATE:

2018 – Ongoing

REFERENCE:

Sister Patricia Hogan, (973) 677-1546

PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

Passaic Board of Education Environmental Services Term Contract

Tectonic currently is the **environmental steward** for the Passaic Board of Education, providing environmental consulting since 2018.

Tectonic is handling the District's issues in regards to **asbestos management**, **lead in drinking water (LIDW) testing**, annex assessments and regulations, and quality assurance project plans (QAPP). In addition, Tectonic participates in all public monthly **meetings**, provides **community outreach** and informative presentations, and offers **legal consultation** for potential problems.

For the remainder of the contract, Tectonic will act as the **liaison** between the District and the State to ensure all services and actions are compliant.

Description of services include:

- Tectonic performed **asbestos inspections** for over 15 facilities within the District, which included initial inspections, 3-year & 6-month periodic surveillance, and 3-year reinspections. All inspections were performed by certified New York State Dept. of Labor Building Inspectors and involved concise reporting, tabulation, and recommendations.
- Tectonic performed ad-hoc **lead-in-drinking water (LIDW) testing** within the District, which included touring facilities with provided floor plans and escorts, facility flushing, first- and second-draw drinking water samples, laboratory testing conducted by a State-authorized laboratory, final reporting within a NJDEP testing deliverables package, and client recommendations based on testing results. These services involved **testing for 5 facilities, totaling over 100 POUs**.



PROJECT CLIENT:

Passaic Board of Education

LOCATION:

Passaic, NJ

DATE:

2018 — Ongoing

REFERENCE:

Barry Stein, (973) 470-8897

PROJECT PROFILE: *New Jersey K-12 Educational Facility Project*

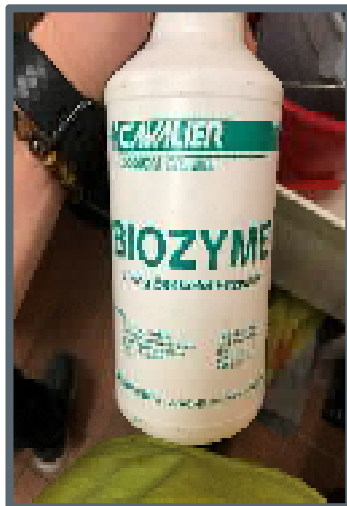
Jersey City Board of Education Right To Know Services

Tectonic undertook an exigent assignment to complete the **Right To Know (RTK) surveys** for **approximately fifty (50) facilities of a local Board of Education** within four (4) weeks. The gross square footage among the facilities was **± 5,415,000 Square Feet (S.F.)**.

One further challenging aspect was that the RTK survey procedures of the New Jersey Department of Health (**NJDOH**) (formerly – NJDHSS, incl. “Senior Services”) changed in 2014 forcing regulated parties to re-survey and use an online, newly-minted, state database portal. Tectonic used a strategic approach to complete this on-time and at budget. Tectonic compiled central purchasing data, prior Hazard Communication records and prior RTK updates, site-specific department data for each school facility, and followed-up with a rigorous site inspection program using custom project survey inventory documents. Multiple teams completed the site surveys, and two (2) dedicated teams from two (2) Tectonic offices uploaded the completed surveys within 4 days of the site inspections being completed for each facility. Tectonic created an online portal for the client to readily access PDF-versions of the full survey documents, Manufacturer’s Safety Data Sheet (**MSDS**).

Tectonic’s ability to complete was secured with our technical knowledge combined with our environmental department’s size – having sufficient staff on-hand to complete short-notice, short-fused tasks without delay. With a fixed budget and short time period Tectonic completed all the filings on time.

2020 Update: Tectonic performed an update to the District’s RTK surveys by providing the proper updates and revisions to all documentation from the 2016 efforts.



PROJECT CLIENT:

Jersey City Public Schools Board of Education

LOCATION:

Jersey City, NJ

DATE:

2016, 2020

REFERENCE:

Kevin O'Reilly, CEFM, (201) 915-6136

2.8 REFERENCES

SCHOOL BOARDS

Jersey City Public Schools Board of Education

Regina Robinson

Business Administrator

346 Claremont Avenue, Jersey City, NJ 07305

(201) 915-6027

reginarobinson@jcboe.org

Kearny Board of Education

Mark Bruscino

Director of Plant Operations

100 Davis Avenue, Kearny, NJ 07032

(201) 955-5000, x5116

mbruscino@kearnyschools.com

Maplewood South Orange Board of Education

Peter Romain

Asst. Supervisor of Buildings and Grounds

525 Academy Street, Maplewood, NJ 07040

(973) 762-5600

promain@somds.k12.nj.us

Glen Ridge Public Schools

Peter Caprio

Business Administrator/Board Secretary

12 High Street, Glen Ridge, NJ 07028

(973) 429-8304

PCaprio@glenridge.org

Passaic Board of Education

Barry Stein

Director of Construction

101 Passaic Avenue, Passaic, NJ 07055

(973) 470-5500, x8897

bstein@passaicschools.org

Springfield Board of Education

Matt Clarke

Business Administrator

139 Mountain Avenue, Springfield, NJ 07081

(973) 376-1025, x1214

mclarke@springfieldschools.com



SECTION III: Fees and Pricing



Tectonic proposes the below table for hourly rates of support staff for any work with the Morris School District Board of Education. The hourly rates provided are inclusive of all costs and expenses.

Tectonic Cost Proposal Table *
Morris School District Board of Education 2020—2021

Staff	Hourly Rate
Environmental Scientist	\$60.00/HR.
Tank Inspector / Class A/B Operator	\$89.00/HR.
QA/QC Manager (CHMM or PE)	\$180.00/HR.
Health and Safety Officer (CIH)	\$165.00/HR.
Licensed Site Remediation Professional (LSRP)	\$175.00/HR.
Environmental Project Manager (RTK)	\$125.00/HR.
Senior Environmental Scientist (PEOSH)	\$105.00/HR.
Geologist I	\$75.00/HR.
Administrative, Ministerial	\$54.00/HR.
Radon Management	\$80.00/HR.
AHERA Building Inspector	\$85.00/HR.
AHERA Management Planner	\$95.00/HR.

* Percentage mark up on rental of equipment = 15%

* Percentage mark up on laboratory services = 15%

* Flat rate travel fee = nil



SECTION IV: Required Forms



SECTION 3: Bid Submission Form & Required Documents

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

Your submission must include this form and all required documents. Failure to submit them may be cause for disqualification for being non-responsive pursuant to N.J.S.A. 18A:18A-2(y).

Please check as enclosed, in addition to this page:

1. ☒ Bid Proposal/Pricing
2. ☒ Deviation Form
3. ☒ Vendor Questionnaire / Certification
4. ☒ Acknowledgement of Addenda
5. ☒ Affirmative Action Questionnaire or Certificate of Employee Information Report
6. ☒ Non-Collusion Affidavit – Notary required
7. ☒ Bidder Comment Form – Optional
8. ☒ Chapter 271 Political Contribution Disclosure Form
9. ☒ Statement of Ownership
10. ☒ Business Registration Certificate
11. ☒ Disclosure of Investment Activities in Iran
12. ☒ Bid Guarantee (Bid Bond, Cashier's Check, or Certified Check)
13. ☒ Guarantee Certificate: Certificate/Consent of Surety
14. ☒ Insurance Certificate
15. NR Public Works Contractor Registration*
16. NR Transportation Questionnaire

NR=Not Required

* Public Works Contractor Registration, Business Registration Certificate & DPMC also required from Subcontractor, if employing.

Company Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

Address 1122 Route 22 West, Suite 106, Mountainside, NJ 07092

Phone 973-467-5850 Fax 973-379-5741

Emergency Phone 845-219-6736

Fed Tax ID 14-1691128



Years in Business 34 Number of Employees ~500

Name David Morris, LSRP, CHMM

Title Vice President of Environmental Services, NJ

Direct Phone 973-467-5850, x2701

Email DMorris@tectonicengineering.com

Signature  Date 

Bid Pricing / Proposal

RFP 19-024: Environmental Services

Opening: 10:00 AM, Thursday, June 11, 2020

Please enter your rates after this page.

The undersigned declare that we/they examined the specifications and other contract documents, as well as the premises and all law, ordinances and regulations governing the work, and that we/they propose to provide all goods and to perform all work described in the specifications.

Company Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

Name David Morris, LSRP, CHMM

Title Vice President

Signature



Date

02 IV 2020

Tectonic proposes the below table for hourly rates of support staff for any work with the Morris School District Board of Education. The hourly rates provided are inclusive of all costs and expenses.

Tectonic Cost Proposal Table *
Morris School District Board of Education 2020—2021

Staff	Hourly Rate
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Geologist I	\$75.00/HR.
Administrative, Ministerial	\$54.00/HR.
Radon Management	\$80.00/HR.
AHERA Building Inspector	\$85.00/HR.
AHERA Management Planner	\$95.00/HR.

* Percentage mark up on rental of equipment = 15%

* Percentage mark up on laboratory services = 15%

* Flat rate travel fee = nil



Deviation Form

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

In the event that the undersigned Bidder intends to deviate from the specifications by submitting alternates, those alternates must be listed below with complete detailed descriptions and samples submitted with the bid. *When applicable, include the line number for each item.*

If no deviations are submitted, the bidder assures the buyer of full compliance with the specifications and conditions.


If deviations are found and not listed, the bidder will be disqualified.

 DEVIATIONS: List below, referencing the item line number(s)

X **NO DEVIATIONS**

DEVIATIONS

Line # Item Name: Description of Exception

Company	Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.	
Name	David Morris, LSRP, CHMM	
Title	Vice President	
Signature		Date 02 VI 2020

Vendor Questionnaire/Certification

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

References – Work previously done for New Jersey districts with high schools

<u>District</u>	<u>City</u>	<u>Amt of Contract</u>	<u>Dates of Service</u>	<u>Contact Person/Title</u>	<u>Phone</u>
1. Jersey City BOE		\$250,000+	2013-ongoing	Regina Robinson, School BA	201-915-6027
2. Kearny BOE		\$100,000+	2012-ongoing	Mark Bruscano, Director	201-955-5000, x5116
3. Passaic BOE		\$150,000+	2018-ongoing	Barry Stein, Director	973-470-5500, x8897

Vendor Certification

Direct/Indirect Interests

I declare and certify that no member of the Morris School District Board of Education – nor any officer or employee or person whose salary is payable in whole or in part by said Board of Education or their immediate family members – is directly or indirectly interested in this bid or in the supplies, materials, equipment, work or services to which it relates, or in any portion of profits thereof. If a situation so exists where a Board member, employee, officer of the board has an interest in the bid, etc., then please attach a letter of explanation to this document, duly signed by the president of the firm or company.

Gifts; Gratuities; Compensation

I declare and certify that no person from my firm, business, corporation, association or partnership offered or paid any fee, commission or compensation, or offered any gift, gratuity or other thing of value to any school official, board member or employee of the Morris School District Board of Education.

Vendor Certifications

I declare and certify that I fully understand N.J.A.C. 6A:23A-6.3(a1-4) concerning vendor contributions to school board members.


I certify that I am not an official or employee of the Morris School District Board of Education.

I further certify that I understand that it is a crime in the second degree in New Jersey to knowingly make a material representation that is false in connection with the negotiation, award or performance of a government contract.

Company Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

Name David Morris, LSRP, CHMM

Title Vice President

Signature  Date 02 VI 2020

Acknowledgement of Addenda

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

The bidder acknowledges receipt of the hereinafter enumerated Addenda which have been issued during period of bidding and agrees that said Addenda shall become a part of this contract. The bidder shall list below the numbers and issuing dates of the Addenda.

☒ No Addenda Received

ADDENDA NO.

ISSUING DATES

Q and A, 2 Questions

6/2/2020

Q and A, 2 Questions

6/8/2020

Company Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

Name David Morris, LSRP, CHMM

Title Vice President

Signature  Date 02 VI 2020

Kehler, Robert

From: Purchasing <purchasing@msdk12.net>
Sent: Tuesday, June 2, 2020 8:00 AM
Subject: RFP 19-024 Environmental Consulting Services Q&A

Question: Can you please tell me if you will be selecting one firm for this work or a pool of consultants?

Answer: The District may award to 1 or more qualified bidders, that are advantageous to the District depending on services.

Question: Can you also please tell me who currently has this contract?

Answer: We currently utilize Aero Environmental.

--

Purchasing Department
Morris School District
31 Hazel Street
Morristown, NJ 07960
973-292-2300 x 2
021

This email and any attached information ("email") is confidential and intended solely for the use of the individual or entity to whom they are addressed in the body of the email. This email may contain information that is privileged, confidential and prohibited from disclosure or unauthorized use under applicable law. If you are not the intended recipient or person responsible for delivering this email to the intended recipient, you have received this communication in error, and any review, use, disclosure, dissemination, forwarding, printing, copying, distribution or taking any action in reliance on this email is strictly prohibited. If you have received this email in error please immediately notify the system manager, sender or the Morris School District by telephone or email and permanently delete the original email and remove all copies from your system.

Kehler, Robert

From: Purchasing <purchasing@msdk12.net>
Sent: Monday, June 8, 2020 10:18 AM
Subject: RFP 19-024 Q&A Environmental Services

Question: Could you please clarify if the requirement for a Bid Guarantee and Guarantee Certificate applies to the Environmental Services RFP 19-024.

Answer: A Bid Guarantee and Guarantee Certificate **is not required** for RFP19-024.

Question: What should be included on the bid pricing/proposal form?

Answer: Please supply a rate sheet for the services that you are providing.

Regards,

Joan Frederick

--

Purchasing Department
Morris School District
31 Hazel Street
Morristown, NJ 07960
973-292-2300 x 2021

This email and any attached information ("email") is confidential and intended solely for the use of the individual or entity to whom they are addressed in the body of the email. This email may contain information that is privileged, confidential and prohibited from disclosure or unauthorized use under applicable law. If you are not the intended recipient or person responsible for delivering this email to the intended recipient, you have received this communication in error, and any review, use, disclosure, dissemination, forwarding, printing, copying, distribution or taking any action in reliance on this email is strictly prohibited. If you have received this email in error please immediately notify the system manager, sender or the Morris School District by telephone or email and permanently delete the original email and remove all copies from your system.

Affirmative Action Questionnaire

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

This form is to be completed and returned with the bid. However, the Board will accept in lieu of this Questionnaire, Affirmative Action Evidence Employee Information Report inserted after this page.

1. Our company has a federal Affirmative Action Plan approval. ☐ Yes ☒ No
If yes, please attach a copy of the plan to this questionnaire.
2. Our company has a N.J. State Certificate of Employee Information Report ☒ Yes ☐ No
If yes, please attach a copy of the certificate to this questionnaire.
3. If you answered "NO" to both questions No. 1 and 2, you must apply for an Affirmative Action Employee Information Report – Form AA302.

Please visit the New Jersey Department of Treasury website for the Division of Public Contracts Equal Employment Opportunity Compliance:

www.state.nj.us/treasury/contract/compliance/

- Click on "Employee Information Report"
- Complete and submit the form with the appropriate payment to:

Department of Treasury
Division of Public Contracts/EEO Compliance
P.O. Box 209
Trenton, NJ 08625-0002

All fees for this application are to be paid directly to the State of New Jersey. A copy shall be submitted to the Board of Education within seven (7) days of the notice of the intent to award the contract or the signing of the contract.

I certify that the above information is correct to the best of my knowledge.

Company Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

Name: David Morris, LSRP, CHMM

Title: Vice President

Signature  Date 02 VI 2020



STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE

Taxpayer Name: TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.

Trade Name:

Address: 70 PLEASANT HILL ROAD
MOUNTAINVILLE, NY 10953

Certificate Number: 1363076

Effective Date: October 22, 2007

Date of Issuance: May 14, 2019

For Office Use Only:
20190514105245342

Certification **43444**

CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-JUN-2018** to **15-JUN-2021**

TECTONIC ENGINEERING & SURVEYING CONSULTANTS
70 PLEASANT HILL, RD., PO BOX 37
MOUNTAINVILLE NY 10953



Elizabeth Maher Muoio
ELIZABETH MAHER MUOIO
State Treasurer

EXHIBIT A

MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE

N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127)

N.J.A.C. 17:27

GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause. The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor will send to each labor union, with which it has a collective bargaining agreement, a notice, to be provided by the agency contracting officer, advising the labor union of the contractor's commitments under this chapter and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, and labor unions, that it does not discriminate on the basis of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

- Letter of Federal Affirmative Action Plan Approval
- Certificate of Employee Information Report; or
- Employee Information Report Form AA302 (electronically provided by the Division and distributed to the public agency through the Division's website at www.state.nj.us/treasury/contract_compliance).

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Purchase & Property, CCAU, EEO Monitoring Program as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Purchase & Property, CCAU, EEO Monitoring Program for conducting a compliance investigation pursuant to N.J.A.C. 17:27-1.1 et seq.

Non-Collusion Affidavit

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

STATE OF New Jersey

COUNTY OF Union

I David Morris, LSRP, CHMM, located at White Meadow Lake,

Residing in Rockaway, County of Morris and State of New Jersey,

of full age being duly sworn according to law, upon my oath, depose and say:

I am the Vice President (Title) of Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc., and the bidder making the Bid for the above-named project and that I executed the said Bid with full authority so to do: that said bidder has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free, competitive bidding in connection with the above-named project; and that all statements contained in said Bid and in the Affidavit are true and correct, and made with full knowledge that the MORRIS SCHOOL DISTRICT BOARD OF EDUCATION relies upon the truth of the statements contained in said Bid and in the statements contained in this Affidavit in awarding the contract for the said project.

I further warrant that no person or selling agency has been employed or retained to solicit or secure such contract upon an agreement or understanding for a commission, percentage, brokerage or contingent fee, except bona fide employees or bona fide established commercial or selling agencies maintained by the firm named above.

I hereby certify that I am the only person interested in this bid, that it is made without collusion with any person, firm or corporation making another bid for the same contract, that the bid is in all respects fair and that no officer in the MORRIS SCHOOL DISTRICT or any person in the employ of said BOARD OF EDUCATION is directly or indirectly interested in this bid or in the supplies or work to which it relates or in the profits of any portion thereof.

Name of [Signature]

By David Morris, LSRP, CHMM, Vice President
Authorized Representative Title

State of New Jersey

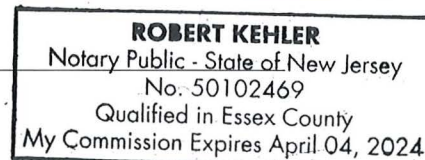
County of Union

Sworn and subscribed before me this 02 day of June, 2020

Signature of Notary or Commissioner of Deeds [Signature]

My Commission expires 04 / 04 / 2024

Official Title Notary Public of New Jersey, #50102469




Bidder's Comment Form

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

This form is for Bidder's use in offering voluntary alternates, or other comments intended to afford the Board information or opportunities to improve the quality of the project, without invalidating the bid. It may *not* be used to take exception to specific conditions of the project defined in the contract documents which the Bidder does not like. The bid provided must be based upon the plans, specs and all contract conditions, as stated. If these documents or conditions contain some untenable item, or extremely expensive provision, for example, to which the Bidder wishes to raise objection, this must be done at the pre-bid meeting (if held), or in writing to the Architect or Business Administrator through the question process outlined in the Instructions to Bidders. Such inquiries will have response issued by addendum only, and the resulting decision circulated to all bidders of record. Inquiries raised too close to the bid date will not be able to be answered.

☒ No Comment

Company Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.
Name: David Morris, LSRP, CHMM
Title: Vice President
Signature  Date 02 VI 2020

Chapter 271 Political Contribution Disclosure Form

(Contracts that Exceed \$17,500.00)

Ref. N.J.S.A. 52:34-25

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

The undersigned, being authorized and knowledgeable of the circumstances, does hereby certify that Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc. (Business Entity) has made the following reportable political contributions to any elected official, political candidate or any political committee as defined in N.J.S.A. 19:44-20.26 during the twelve (12) months preceding this award of contract:

Reportable Contributions

Date of Contribution	Amount of Contribution	Name of Recipient Elected Official/ Committee/Candidate	Name of Contributor
NONE			

The Business Entity may attach additional pages if needed.

☒ **No Reportable Contributions** (Please check (✓) if applicable.)

I certify that Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc. (Business Entity) made no reportable contributions to any elected official, political candidate or any political committee as defined in N.J.S.A. 19:44-20.26.

Certification

I certify, that the information provided above is in full compliance with Public Law 2005—Chapter 271.

Name of Authorized Agent David Morris, LSRP, CHMM

Title Vice President

Signature  Date 02 JUL 2020

Business Entity Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

STATEMENT OF OWNERSHIP DISCLOSURE
N.J.S.A. 52:25-24.2 (P.L. 1977, c.33, as amended by P.L. 2016, c.43)

RFP 19-024: Environmental Services
Opening: 10:30 AM, Thursday, June 11, 2020

This statement shall be completed, certified to, and included with all bid and proposal submissions. Failure to submit the required information is cause for automatic rejection of the bid or proposal.

Name of Organization: Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

Organization Address: 1122 Route 22 West, Suite 106, Mountainside, NJ 07092

Part I Check the box that represents the type of business organization:

- ☐ Sole Proprietorship (skip Parts II and III, execute certification in Part IV)
- ☐ Non-Profit Corporation (skip Parts II and III, execute certification in Part IV)
- ☒ For-Profit Corporation (any type) ☐ Limited Liability Company (LLC)
- ☐ Partnership ☐ Limited Partnership ☐ Limited Liability Partnership (LLP)
- ☐ Other (be specific): _____

Part II Check the appropriate box

- ☒ The list below contains the names and addresses of all stockholders in the corporation who own 10 percent or more of its stock, of any class, or of all individual partners in the partnership who own a 10 percent or greater interest therein, or of all members in the limited liability company who own a 10 percent or greater interest therein, as the case may be. **(COMPLETE THE LIST BELOW IN THIS SECTION)**

OR

- ☐ No one stockholder in the corporation owns 10 percent or more of its stock, of any class, or no individual partner in the partnership owns a 10 percent or greater interest therein, or no member in the limited liability company owns a 10 percent or greater interest therein, as the case may be. **(SKIP TO PART IV)**

(Please attach additional sheets if more space is needed):

Name of Individual or Business Entity	Home Address (for Individuals) or Business Address
Donald A. Benvie, PE	56 Gedney Esplanade, White Plains, NY 10605
Richard P. Kummerle, PE, PP, PG	36680 N. Orillo Oeste Road, Cave Creek, AZ 85331

Part III DISCLOSURE OF 10% OR GREATER OWNERSHIP IN THE STOCKHOLDERS, PARTNERS OR LLC MEMBERS LISTED IN PART II

If a bidder has a direct or indirect parent entity which is publicly traded, and any person holds a 10 percent or greater beneficial interest in the publicly traded parent entity as of the last annual federal Security and Exchange Commission (SEC) or foreign equivalent filing, ownership disclosure can be met by providing links to the website(s) containing the last annual filing(s) with the federal Securities and Exchange Commission (or foreign equivalent) that contain the name and address of each person holding a 10% or greater beneficial interest in the publicly traded parent entity, along with the relevant page numbers of the filing(s) that contain the information on each such person. **Attach additional sheets if more space is needed.**


Website (URL) containing the last annual SEC (or foreign equivalent) filing	Page #'s

Please list the names and addresses of each stockholder, partner or member owning a 10 percent or greater interest in any corresponding corporation, partnership and/or limited liability company (LLC) listed in Part II **other than for any publicly traded parent entities referenced above.** The disclosure shall be continued until names and addresses of every non-corporate stockholder, and individual partner, and member exceeding the 10 percent ownership criteria established pursuant to N.J.S.A. 52:25-24.2 has been listed. **Attach additional sheets if more space is needed.**

Stockholder/Partner/Member and Corresponding Entity Listed in Part II	Home Address (for Individuals) or Business Address

Part IV Certification

I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the Morris School District Board of Education is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with Morris School district Board of Education to notify the Morris School District Board of Education in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the, permitting the Morris School District Board of Education to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print):	David Morris, LSRP, CHMM	Title:	Vice President
Signature:		Date:	02 VI 2020

STATE OF NEW JERSEY -- DIVISION OF PURCHASE AND PROPERTY DISCLOSURE OF INVESTMENT ACTIVITIES IN
IRAN

Quote Number: 19-024

Bidder/Offeror: Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC, Inc.

PART 1: CERTIFICATION

BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX.

FAILURE TO CHECK ONE OF THE BOXES WILL RENDER THE PROPOSAL NON-RESPONSIVE.

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that neither the person or entity, nor any of its parents, subsidiaries, or affiliates, is identified on the Department of Treasury's Chapter 25 list as a person or entity engaging in investment activities in Iran. The Chapter 25 list is found on the Division's website at <http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf>. Bidders must review this list prior to completing the below certification. Failure to complete the certification will render a bidder's proposal non-responsive. If the Director finds a person or entity to be in violation of law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party

PLEASE CHECK THE APPROPRIATE BOX:

☒ I certify, pursuant to Public Law 2012, c. 25, that neither the bidder listed above nor any of the bidder's parents, subsidiaries, or affiliates is listed on the N.J. Department of the Treasury's list of entities determined to be engaged in prohibited activities in Iran pursuant to P.L. 2012, c. 25 ("Chapter 25 List"). I further certify that I am the person listed above, or I am an officer or representative of the entity listed above and am authorized to make this certification on its behalf. I will skip Part 2 and sign and complete the Certification below.

OR

☐ I am unable to certify as above because the bidder and/or one or more of its parents, subsidiaries, or affiliates is listed on the Department's Chapter 25 list. I will provide a detailed, accurate and precise description of the activities in Part 2 below and sign and complete the Certification below. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.

PART 2: PLEASE PROVIDE FURTHER INFORMATION RELATED TO INVESTMENT ACTIVITIES IN IRAN

You must provide a detailed, accurate and precise description of the activities of the bidding person/entity, or one of its parents, subsidiaries or affiliates, engaging in the investment activities in Iran outlined above by completing the boxes below.

PLEASE PROVIDE THOROUGH ANSWERS TO EACH QUESTION. IF YOU NEED TO MAKE ADDITIONAL ENTRIES, PLEASE INCLUDE A SEPARATE PAGE.

Name: _____ Relationship to Bidder/Offeror: _____

Description of Activities _____

Duration of Engagement: _____ Anticipated Cessation: _____

Date _____ Bidder/Offeror Contact _____

Name/Contact _____ Phone Number _____

Certification: I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder; that the State of New Jersey is relying on the information contained herein and that I am under a continuing obligation from the date of this certification through the completion of any contracts with the State to notify the State in writing of any changes to the information contained herein; that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I am subject to criminal prosecution under the law and that it will constitute a material breach of my agreement(s) with the State, permitting the State to declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): David Morris, LSRP, CHMM

Signature: 

Do Not Enter PIN as a Signature

Title: Vice President

Date: 02 VI 2020

Business Registration Certificate

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

Insert a copy of your organization's Business Registration Certificate immediately after this page.

Pursuant to N.J.S.A. 52:32-44 as amended by P.L. 2004 – Chapter 57, all bidders shall submit with their bid package a copy of their "New Jersey Business Registration Certificate" as issued by the Department of Treasury of the State of New Jersey. Failure to provide the New Jersey Business Registration Certification with the bid package or prior to the award of contract will be cause for the rejection of the entire bid.

There is no cost to file, and renewal is unnecessary, though changes to information must be submitted.

Filing is quick, uncomplicated and can be done online:

https://www.state.nj.us/treasury/revenue/dcr/reg/sos_dcrnew01.prod.htm

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE FOR STATE AGENCY AND CASINO SERVICE CONTRACTORS		DEPARTMENT OF TREASURY DIVISION OF REVENUE PO BOX 252 TRENTON, NJ 08646-0252
TAXPAYER NAME:	TAX REGISTRATION TEST ACCOUNT	TRADE NAME: CLIENT REGISTRATION
TAXPAYER IDENTIFICATION#:	970-097-382/500	SEQUENCE NUMBER: 0107330
ADDRESS:	847 ROEBLING AVE TRENTON NJ 08611	ISSUANCE DATE: 07/14/04
EFFECTIVE DATE:	01/01/01	
FORM-BRC(08-01)	This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.	

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE	
Taxpayer Name:	TAX REG TEST ACCOUNT
Trade Name:	
Address:	847 ROEBLING AVE TRENTON, NJ 08611
Certificate Number:	1093907
Date of Issuance:	October 14, 2004
For Office Use Only:	
20041014112823533	



STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE

Taxpayer Name: TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.

Trade Name:

Address: 70 PLEASANT HILL ROAD
MOUNTAINVILLE, NY 10953

Certificate Number: 1363076

Effective Date: October 22, 2007

Date of Issuance: May 14, 2019

For Office Use Only:
20190514105245342

Certification **43444**

CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL

This is to certify that the contractor listed below has submitted an Employee Information Report pursuant to N.J.A.C. 17:27-1.1 et. seq. and the State Treasurer has approved said report. This approval will remain in effect for the period of **15-JUN-2018** to **15-JUN-2021**

TECTONIC ENGINEERING & SURVEYING CONSULTANTS
70 PLEASANT HILL, RD., PO BOX 37
MOUNTAINVILLE NY 10953



Elizabeth Maher Muoio
ELIZABETH MAHER MUOIO
State Treasurer

Bid Guarantee

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

Insert documents immediately after this page.

Guarantee Certificate: Certificate/Consent of Surety

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

A performance bond will be required from the successful bidder. In accordance with N.J.S.A. 18A:18A-25, the Morris School District Board of Education requires a certificate from a surety company stating it will provide the contractor/vendor with a performance bond in such sum that is required in the bid specifications and/or for the full faithful performance of all the bid specifications and contract provisions. *Insert documents immediately after this page.*

In lieu of an actual certificate, the Morris School District Board of Education will accept this form duly executed by an authorized agent or representative of a Surety Company.

To: The Morris School District Board of Education

Re: _____
Name of Contractor/Vendor

This is to certify that the _____
Name of Surety Company

will provide to _____
Name and Address of Contractor/Vendor

a performance bond in such sum that is required in the bid specifications and/or for the full faithful performance of all the bid specifications and contract provisions, in the event that said contractor/vendor is awarded a contract for the above project.

Signature of Authorized Agent of Surety Company

ATTEST: _____
Print Name of Authorized Agent

Date

Name of Surety Company

Address

City, State, Zip Code

Telephone

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned Tectonic Engineering Consultants, Geologists & Land Surveyors, D.P.C. as Principal and Fidelity and Deposit Company of Maryland, as Surety are held and firmly bounded unto The Morris School District Board of Education, as Obligee in the penal sum of Ten percent of total amount bid, not to exceed \$20,000 Dollars (10%) lawful money of the United States for the payment of which well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

Signed this 11th day of June, 2020.

The condition of the above obligation is such that whereas the Principal has submitted to the Obligee a certain bid attached hereto and hereby made part of hereof, to enter into a contract in writing for the RFP 19-024 Environmental Services

NOW THEREFORE,

- (A) If said bid shall be rejected, or in the alternate,
- (B) If said bid shall be accepted and the Principal shall execute and deliver a contract in the Form of the Agreement specified herein (properly completed in accordance with said Bid) and shall in all other respects perform the Agreement created by the acceptance of said bid.

Then, this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

THE SURETY for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall in no way be impaired or affected by an extension of time within which the Principal may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hand and seals, to be hereto fixed and these presents to be signed by their proper officers, the day and year set forth above.

Tectonic Engineering Consultants, Geologists
& Land Surveyors, D.P.C.
Principal

By: 

Fidelity and Deposit Company of Maryland
Surety

By: 

Gina M. Pepe, Attorney-in-Fact

Guarantee Certificate: Certificate/Consent of Surety

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

A performance bond will be required from the successful bidder. In accordance with N.J.S.A. 18A:18A-25, the Morris School District Board of Education requires a certificate from a surety company stating it will provide the contractor/vendor with a performance bond in such sum that is required in the bid specifications and/or for the full faithful performance of all the bid specifications and contract provisions. *Insert documents immediately after this page.*

In lieu of an actual certificate, the Morris School District Board of Education will accept this form duly executed by an authorized agent or representative of a Surety Company.

To: The Morris School District Board of Education

Re: Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC
Name of Contractor/Vendor

This is to certify that the Fidelity and Deposit Company of Maryland
Name of Surety Company
Tectonic Engineering Consultants, Geologists & Land Surveyors, DPC
will provide to 1122 Route 22 West, Suite 106 Mountainside, NJ 07092
Name and Address of Contractor/Vendor

a performance bond in such sum that is required in the bid specifications and/or for the full faithful performance of all the bid specifications and contract provisions, in the event that said contractor/vendor is awarded a contract for the above project.

Gina M. Semonelle
Signature of Authorized Agent of Surety Company
Gina M. Semonelle, Attorney-in-Fact

ATTEST:

Nancy Back
Witness for Surety

Print Name of Authorized Agent

June 11, 2020
Date

Fidelity and Deposit Company of Maryland
Name of Surety Company

707 Philadelphia Pike
Address

Wilmington, DE 19809
City, State, Zip Code

302-762-7599
Telephone

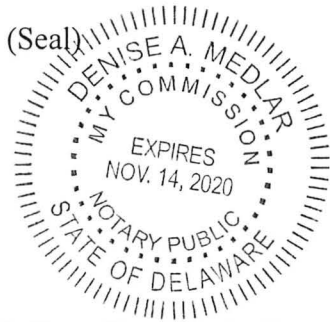
ACKNOWLEDGMENT BY SURETY

STATE OF Delaware

County of New Castle ss.

on this 11th day of June, 2020, before me, Denise A. Medlar, a notary public in and for the County and State aforesaid, residing therein, duly commissioned and sworn, personally appeared Gina M. Pepe known to me to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.



A handwritten signature in blue ink, appearing to read "Denise A. Medlar", written over a horizontal line.

Notary Public

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by **Robert D. Murray, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint, **Richard G. ANDERSON, Joseph T. CATANIA, Gina M. PEPE, Nancy C. BUCK, Denise A. MEDLAR, Mary LAWRENCE, Brent D. HEADLEY and Trevor A. HASH, all of Wilmington, Delaware, EACH**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 8th day of March, A.D. 2019.



ATTEST:

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

By: *Robert D. Murray*
Vice President

By: *Dawn E. Brown*
Secretary

**State of Maryland
County of Baltimore**

On this 8th day of March, A.D. 2019, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2019

Certificate of Liability Insurance

RFP 19-024: Environmental Services

Opening: 10:30 AM, Thursday, June 11, 2020

After this page insert proof of your general liability (including products) and excess liability.

ACORD™

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/26/2019

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

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

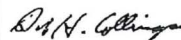
PRODUCER Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022		CONTACT NAME: Carly Underwood PHONE (A/C, No, Ext): 770.552.4225 FAX (A/C, No): 866.550.4082 E-MAIL ADDRESS: carly.underwood@greyling.com	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A: Zurich American Insurance Co	
		INSURER B: James River Insurance Co	
		INSURER C: Evanston Insurance Company	
		INSURER D: Allied World Surplus Lines Ins	
		INSURER E:	
		INSURER F:	

COVERAGES **CERTIFICATE NUMBER: 19-20** **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			GLO027975903	10/06/2019	09/30/2020	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY			BAP107064502	10/06/2019	09/30/2020	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE			000767523	10/06/2019	09/30/2020	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000
C	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$0			MKLV1EFX100338	10/06/2019	09/30/2020	Each Occ/Agg \$5M/\$5M
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC107064402	10/06/2019	09/30/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Professional Liab incl. Pollution			03106515	10/06/2019	09/30/2020	Per Claim \$5,000,000 Aggregate \$10,000,000

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

CERTIFICATE HOLDER		CANCELLATION	
Sample Certificate		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.	
		AUTHORIZED REPRESENTATIVE 	

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