



TTI ENVIRONMENTAL INC.
Consulting & Contracting
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Due: Tuesday, July 29th, 2025 @ 11:00 am

SUBMISSION

One Electronically Copy submitted website Dropbox

The Housing Authority of the City of Bayonne
30 Avenue C
Bayonne, NJ 07002
Attn: John T. Mahon- Executive Director

RE: Request for Qualification Proposals – **Environmental Consulting, Testing, Oversight and Monitoring Services**

Dear Mr. Mahon,

TTI Environmental, Inc. (TTI) is pleased to provide The Housing Authority of the City of Bayonne with the following Proposal to provide **Environmental Consulting, Testing, Oversight and Monitoring Services**.

We appreciate the opportunity to provide you with pricing for this project. If you have any questions, please feel free to contact us at any time 856-840-8800.

Respectfully submitted,
TTI ENVIRONMENTAL, INC.

Karen L. Buniak
VP Business Development



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We understand that THE **HOUSING AUTHORITY OF THE CITY OF BAYONNE** is requesting proposals for **Environmental Consulting, Testing, Oversight and Monitoring Services**. In response, we have provided detailed answers to each required section of the bid proposal, ensuring that all aspects of the requested professional services are addressed comprehensively. TTI is fully committed to delivering expert environmental compliance services, adhering to all applicable regulations, and meeting the BHA's expectations.

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A. SCOPE OF SERVICES

TTI Environmental, Inc. is a trusted provider of comprehensive environmental consulting services with over 30 years of experience serving public agencies across New Jersey. We understand the **HOUSING AUTHORITY OF THE CITY OF BAYONNE** is requesting RFP for **Environmental Consulting, Testing, Oversight and Monitoring Services**. TTI's commitment to regulatory compliance and technical excellence ensures the successful execution of environmental projects of any scale.

TTI is capable of performing a wide variety of environmental services to help **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE** to ensure the BHA is providing a safe and complainant environment for their employees and tenants. Services include, but are not limited to, the following:

- Licensed Site Remediation Professional Oversight
- Preliminary Site Assessments
- Site Investigations
- Phase I and Phase II Assessments
- Remedial Investigations
- Remedial Alternatives Selection and Evaluation
- Soil Sampling and Testing
- Groundwater Sampling
- Soil and Groundwater Remedial Action Permits
- Underground Storage Tank Investigations
- Compliance Audits/Resolutions
- Field Sampling & Laboratory Analysis Programs
- Monitoring Well Installation
- Hazardous Material Surveys & Abatement Design
- Air Permitting
- Safety Consulting & Training
- Storage Tank Compliance Audits
- Waste Disposal Consulting
- Hazardous Waste Program
- Lead Paint/Lead in Drinking Water Assessment
- Radon Assessment

TTI Environmental Inc. is uniquely qualified to perform the professional services required by the **BHA** due to our extensive expertise, long-standing reputation, and comprehensive service offerings in environmental consulting and industrial hygiene. With nearly 40 years of experience, TTI has successfully partnered with municipalities, public agencies, and private entities across New Jersey to deliver tailored solutions for complex environmental challenges.

Our team includes Licensed Site Remediation Professionals (LSRPs), Industrial Hygienists, and certified specialists in asbestos and lead-based paint management, along with our Contracting. These professionals are supported by state-of-the-art analytical capabilities, including on-site air quality monitoring and immediate laboratory analyses, ensuring rapid and accurate results. TTI also maintains accreditation with the American Industrial Hygiene Association (AIHA) and adheres to all applicable NJDEP, NJAC, and federal guidelines.

What sets TTI apart is our commitment to collaboration and efficiency. We prioritize open communication with clients and stakeholders, helping to streamline processes while maintaining regulatory compliance. Our proven track record of on-time, cost-effective project completion, combined with our ability to respond promptly to



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emergent needs, demonstrates our capacity to deliver exceptional results that are in the best interest of the Township.

In addition to TTI's technical expertise and regulatory compliance, our extensive portfolio of projects across New Jersey underscores our deep understanding of local environmental conditions and community needs. We have a demonstrated ability to navigate complex challenges, from brownfield redevelopment to underground tank removals with soil remediation, ensuring solutions are both sustainable and effective.

TTI is also uniquely positioned to provide value-added services through our integrated approach. Our multidisciplinary team allows us to address a broad spectrum of needs—from environmental assessments and industrial hygiene evaluations to remediation and permitting—seamlessly under one roof. This reduces the need for subcontracting, streamlines communication, and ensures consistency in quality and service delivery.

Moreover, TTI's focus on innovative practices, such as leveraging digital reporting systems and immediate laboratory analytics, provides our clients with faster insights and actionable results. By prioritizing efficiency and transparency, we help clients minimize downtime and project costs while maintaining compliance and protecting public health.

Our strong relationships with regulatory agencies further enhance our capacity to expedite approvals and resolve compliance concerns effectively. This, coupled with our proactive client support and commitment to long-term partnerships, makes TTI a trusted and reliable choice for THE HOUSING AUTHORITY OF THE CITY OF BAYONNE.

ENVIRONMENTAL CONSULTING - DUE DILIGENCE & LICENSED SITE REMEDIATION PROFESSIONAL (LSRP) SERVICES

TTI employs four (4) Licensed Site Remediation Professionals (LSRPs), with extensive experience serving both public sector entities and private clients. Our public sector experience includes working with state agencies, counties, municipalities, and housing authorities. TTI's LSRPs cover the entire Site Remediation Program (SRP) process, including:

- **Preliminary Assessment (PA):** TTI has extensive experience preparing PA reports in accordance with N.J.A.C. 7:26E for schools, industrial, commercial, and childcare sites. TTI completes Indoor Environmental Health Assessments (IEHA) in accordance with NJDOH requirements for licensing of childcare facilities. IEHA investigations include sampling of drinking water for lead, lead based paint assessments, and radon assessments. Preliminary Assessments typically follow a six (6) week turnaround time.
- **Site Investigation (SI):** The SI is required for UST closure projects to verify a release of petroleum products has not occurred or when evaluating AOCs identified during a PA for an Entire Site RAO. TTI regularly completes Site Investigations for regulated UST closure and in support of Industrial Site Recovery Act (ISRA) projects. Soil and groundwater sampling is conducted using direct push technologies to assess site conditions. Site Investigations typically follow a six (6) week turnaround time.
- **Remedial Investigation (RI):** The RI is conducted to determine the horizontal and vertical extent of contaminated media including soil, groundwater, and vapor. RIs are conducted for soil through the installation of soil borings and sampling to develop the volume of impacted soil requiring remediation and to develop a Remedial Action Workplan. RIs are conducted for groundwater through



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installation of monitoring wells to horizontally and vertically delineate contaminant plumes, to establish groundwater flow direction and gradient, evaluate groundwater physiochemical properties, to construct groundwater fate and transport models for calculation of CEAs, and to develop a RAWP. Vapor investigations are conducted through collection of sub-slab, near-slab, and indoor air quality samples, and evaluating potential exposure pathways for contaminant vapors entering the building envelope. TTI's team of LSRPs, geologists, and environmental scientists are well versed in RIs for petroleum, chlorinated VOCs, heavy metals, pesticides, PCBs, and PFAS. Turnaround times for RIs are dependent upon the site conditions and contaminants of concern.

- **Remedial Action Workplan (RAWP):** The RAWP is a milestone document that summarizes the proposed remedy to bring the site to closure through issuance of a RAO. Remedies are developed on the desired outcome, future use of the site and budgetary factors. TTI regularly works with clients to develop the most cost-effective solutions to remediate contaminated sites.
 - **Remedial Action (RA):** The RA is the implementation of the selected remedy for the site. RAs may include excavation and offsite disposal of contaminated soil, the use of institutional and engineering controls to eliminate exposure pathways, ex-situ or in-situ treatment of contaminants or natural degradation of contaminants through monitored natural attenuation. TTI's Construction and Contracting Division self-performs remediation of soil media. TTI's Environmental Consulting Department has conducted remedial actions using in-situ and ex-situ treatment of contaminants and has implemented several remedial actions for establishing institutional and engineering controls and preparation of Remedial Action Permits. TTI regularly teams with engineers to develop caps and vapor mitigation systems. Turnaround times for Ras are dependent upon the site conditions and contaminants of concern.
 - **Response Action Outcome (RAO):** The RAO is the closure document issued by an LSRP documenting the closure of active remediation cases. RAOs can be issued for AOC only or for Entire Sites. RAOs can be issued for unrestricted use if all media meets the most stringent cleanup criteria, limited restricted use if soil meets the most stringent soil cleanup criteria but groundwater remains above GWQS, or restricted use if soil remains above residential or non-residential remediation standards and exposure pathways have been eliminated through the use of institutional and/or engineering controls.
 - **Post Remediation Responsibilities:** Sites may be subject to post remediation responsibilities if limited restricted or restricted RAOs were issued. Future responsibilities overseen by an LSRP may include groundwater sampling to document contaminants are stable or decreasing and not extending beyond CEA boundaries, verification of the effectiveness of passive and/or action vapor intrusion mitigation systems and regular inspection of caps.
 - **UST Remediation:** TTI has an onsite contracting department that can perform UST removals and installations. Onsite Licensed Site Remediation Professionals (LSRPs) and Sub-Surface Evaluators (SSE) are available to work with our contracting department to oversee the closure of regulated and unregulated USTs. Should a release be detected, TTI staff have extensive experience with overseeing the remediation of soil and/or groundwater impacts caused by the release of USTs and to complete the administrative requirements of NJDEP.
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LICENSE SITE REMEDIATION PROFESSIONAL RESPONSIBILITIES

Our Licensed Site Remediation Professionals strictly adhere to the LSRP Code of Ethics, as outlined by the New Jersey Site Remediation Professional Licensing Board. This includes, but is not limited to:

- Acting with honesty, integrity, and transparency in all professional activities.
- Exercising independent professional judgment without undue influence.
- Avoiding conflicts of interest and disclosing any potential conflicts immediately.
- Protecting public health, safety, and the environment is the paramount consideration in all decision-making.
- Maintaining confidentiality of client information, except as required by law or regulation.
- Demonstrating accountability through adherence to professional standards and continuous education.

INDUSTRIAL HYGIENE SERVICES

TTI's industrial hygienists and technicians provide a full range of IH & IAQ inspections, testing and analytical services to our clients. From an initial survey through certification of completion, TTI is committed to conducting thorough and accurate exposure assessments and providing health and safety information to avoid adverse health effects due to environmental and physical hazards.

- **Asbestos Services:** As one of New Jersey's oldest Asbestos Safety Control Monitoring (ASCM) firms, TTI is a leader in asbestos evaluation and abatement support. Our services include comprehensive asbestos surveys, project design, air monitoring, and clearance reporting. Our team consists of EPA-certified inspectors, project designers, and licensed technicians who ensure compliance with NJAC 5:22.8 and all other applicable regulations. With rapid turnaround times for lab analyses and immediate on-site air monitoring capabilities, TTI ensures the timely completion of abatement projects with minimal disruption.
- **Lead and Mold Services:** TTI also brings over 20 years of expertise in lead paint consulting, offering surveys, abatement planning, and clearance projects for public facilities. For mold-related issues, TTI provides inspections, remedial action planning, and rapid response to water intrusion events, ensuring the safety and health of building occupants.
- **Indoor Air Quality and Odor Investigations:** TTI has conducted extensive nuisance odor investigations and indoor air quality (IAQ) assessments for government buildings. Our approach combines site-specific evaluation, laboratory analyses, and collaboration with stakeholders to identify and resolve IAQ concerns, including coordination with NJ PEOSHA when necessary.
- **Hazardous Waste Removal:** TTI will plan for the safe removal and disposal of hazardous waste, including asbestos, lead materials, and other regulated substances. Utilizing HAZWOPER-trained personnel and approved subcontractors for waste collection and disposal. Inventory universal waste components can be conducted, to ensure the proper handling and disposal of the such as light ballasts, fluorescent lights, mercury switches, and tritium exit signs.
- **Regulatory Compliance and Project Management:** TTI's Industrial Hygiene Department employs a highly qualified team to managing complex environmental compliance projects. With certified laboratories and dedicated project managers, we ensure technical accuracy and adherence to all federal, state, and local regulations. TTI's expertise in asbestos, lead, mold, and IAQ makes us uniquely qualified to meet THE HOUSING AUTHORITY OF THE CITY OF BAYONNE's environmental consulting needs.

PROJECT MANAGEMENT SERVICES

TTI follows industry-standard methodologies to ensure seamless project management. Our approach includes task tracking, resource allocation, and risk management. Tools like Gantt charts and project management software (MS Project) allow us to manage timelines, budgets, and deliverables effectively. We hold regular status meetings to



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ensure alignment and communication with all stakeholders. Our project managers coordinate with field teams, subcontractors, and regulatory bodies to guarantee regulatory compliance.

PROVIDE CONSULTATION ON DUE DILIGENCE AND MATERIALS MANAGEMENT

TTI's Licensed Site Remediation Professionals (LSRPs) and Industrial Hygienists provide expert guidance on due diligence, materials management, and environmental health for construction projects. Our services include Phase I and Phase II Environmental Site Assessments (ESAs), Indoor Environmental Health Assessments (IEHA), industrial hygiene evaluations, and other environmental sampling and remediation activities. We ensure that all sampling, analysis, and reporting comply with NJDEP regulations, federal standards, and the best practices in the industry. TTI's team also assists clients in identifying and addressing environmental and occupational health issues that may arise during construction activities, ensuring compliance and safety throughout the project

COMMUNICATION & COLLABORATION WITH KEY STAKEHOLDERS

We maintain active communication between **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE**, project managers, contractors, and LSRPs throughout the project. TTI conducts regular meetings (virtual or in-person) to provide progress updates and address any challenges. Our communication channels include email, phone calls, and collaborative project management software for real-time data sharing.

ATTENDING SITE MEETINGS AS DIRECTED BY THE THE HOUSING AUTHORITY OF THE CITY OF BAYONNE

TTI will attend all site meetings required by **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE**, ensuring that our team provides valuable input, technical updates, and responsive coordination with all project stakeholders.

FINAL REPORT PREPARATION AND NJDEP COMPLIANCE

TTI will prepare final reports in accordance with all applicable New Jersey Department of Environmental Protection (NJDEP) requirements and federal guidelines, including those outlined in the Site Remediation Reform Act (SRRA) and NJAC 7:26E. All fees associated with the project will be paid directly by TTI and later reimbursed. Additionally, TTI will provide technical review services for construction plans to ensure compliance with NJDEP and federal regulations related to site remediation, asbestos management, and industrial hygiene. Our goal is to achieve full regulatory compliance while adhering to best practices and minimizing costs for the BHA.

TIMELINES

- **Preliminary Assessments (PA):** TTI prepares PA reports in accordance with N.J.A.C. 7:26E. These reports are often conducted for various site types, including industrial and commercial facilities. PA reports have a standard six-week turnaround time.
- **Site Investigation (SI):** SIs are conducted to confirm or dismiss potential contamination, such as from underground storage tanks (USTs) or recognized Areas of Concern (AOCs). These investigations also have a typical turnaround time of six weeks.
- **Remedial Investigations (RI):** RIs determine the extent of contamination in various media (soil, groundwater, vapor). This phase includes using specialized tools like monitoring wells and vapor sampling. Timeframes for RIs vary depending on site conditions.
- **Remedial Action Workplan (RAWP) & Remedial Actions (RA):** TTI develops RAWPs and oversees the implementation of selected remedial solutions (e.g., soil excavation, vapor mitigation, natural attenuation). We work closely with engineers to execute these plans efficiently.
- **Response Action Outcome (RAO):** TTI issues RAOs to document the closure of remediation activities. These can apply to individual AOCs or entire sites, covering unrestricted, limited restricted, or restricted use scenarios.
- **Post-Remediation Responsibilities:** For restricted RAOs, we manage long-term monitoring, cap inspections, and other post-remediation activities.



B.EXECUTIVE SUMMARY/COMPANY RESUME

CONTACT INFORMATION

General: TTI Environmental Inc., 1253 North Church St. Moorestown, NJ 08057 www.ttienv.com
HQ: 856-840-8800 Fax: 856-840-8815

All Site-Specific Proposal & Contract Management:

Karen Buniak, VP Business Development, Ext 14 karenb@ttienv.com

Key Environmental Consultants:

Kristin Heimbarger, LSRP, Director of Environmental Consulting, Ext. 30 kristinh@ttienv.com

Andrew Basehoar, LSRP, Site Remediation Program Manager 610-334-4414 andyb@ttienv.com

Tim Popp, VP of Environmental Consulting – Industrial Hygiene Ext. 24 timp@ttienv.com

Jim Guillard, Director of Industrial Hygiene 609-314-1683 jimg@ttienv.com

FIRM'S HISTORY, OWNERSHIP, LOCATION OF ITS MANAGEMENT, AND LICENSES TO DO BUSINESS IN NEW JERSEY

OVERVIEW

TTI Environmental, Inc. was founded in 1985 and incorporated under the laws of the State of NJ, is a multi-disciplined environmental services organization providing professional consulting and contracting services for almost 40 years. TTI offers comprehensive “turnkey” consulting and contracting services to a diverse clientele from local regions to nationwide locations. TTI has evolved into a multi-disciplined, integrated environmental services firm providing environmental consulting, industrial hygiene, environmental construction and contracting along with comprehensive storage tank management services.

LOCATION

Headquartered in Moorestown, NJ, TTI's 5-acre site includes office, warehouse, and lab facilities spanning 15,000 square feet. The location is approximately 79 miles from **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE**, NJ, ensuring seamless management and mobilization of consulting services. Many projects are managed from this location, and crews are mobilized from here.

LEGAL STRUCTURE, REGISTRATION AND RATINGS

TTI operates under a C-Corporation structure with Tax ID / EIN# 22-2622257, registered under NJ State Business Registration #0073225, and holds a Dun & Bradstreet rating of 15-413-0918 in Category 2 with a Rating of 2A3.

INSURANCE COVERAGE - *TTI COI is attached*

- General Liability/Contractors Pollution Liability/Professional Liability Policy:
 - \$1,000,000 Each Occurrence + Umbrella/Excess: \$5,000,000 Per Occurrence (*Total: \$6,000,000*)
 - \$2,000,000 General Aggregate + Umbrella/Excess: \$5,000,000 Aggregate (*Total: \$7,000,000*)
- Professional Liability:
 - \$1,000,000 Professional Liability (Each Claim) Umbrella/Excess coverage \$5,000,000 (*Total: \$6,000,000*)

ACCREDITATIONS AND CERTIFICATIONS

Our team includes four Licensed Site Remediation Professionals (LSRPs) with comprehensive experience in the entire Site Remediation Program (SRP), from initial release discovery and reporting to the NJDEP Hotline, through investigation, remedial alternative selection, and implementation, to issuing a Response Action Outcome (RAO) and post-closure monitoring.

TTI is licensed by the New Jersey Department of Environmental Protection (NJDEP), New Jersey Department of Community Affairs (NJCA), and NJ Health Department, and is prequalified by the Division of Property Management and Construction (DPMC). TTI is also a certified member of the Indoor Air Quality Association (18837). As one of the oldest asbestos-certified inspection companies in NJ and a Certified Lead Evaluation Contractor, TTI has Lead Evaluators/Risk Assessors on staff.



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We maintain all relevant state licenses, including NJDEP Tank Closure/Subsurface (000324), and perform tank inspections with certified API 653/570/510, AWS-CWI, ASNT, and ASME inspectors.

TTI Environmental Laboratory, certified by the NJDEP Office of Quality Assurance since January 2016, meets compliance standards for performance. This certification allows TTI to collect parameters associated with the "analyze immediately" category, including pH, temperature, and dissolved oxygen, as well as the inorganic parameter category, including turbidity and specific conductance.

Current list of New Jersey, Federal and Association Licensing and Certifications:

- American Industrial Hygiene Asbestos Analyst Registry
- American Institute of Professional Geologists Certified Professional Geologist
- American Petroleum Institute
 - Standard 510 Certified Pressure Vessel Inspector
 - Standard 570 Certified Pipework Inspector
 - Standard 653 Certified Aboveground Storage Tank Inspector
- American Society for Nondestructive Testing
 - Acoustic Emissions
 - Liquid Penetrant – Levels I & II
 - Magnetic Particle – Levels I & II
 - Ultrasonic Inspection – Levels I & II
- American Welding Society AWS Certification of Welding Inspectors
- Institute of Hazardous Materials Management Certified Hazardous Materials Manager
- National Institute for Occupational Safety and Health On-site Microscopy Analysis
- NJ Bureau of Environmental Radiation NJ Radioactive Materials License
- NJ Department of Community Affairs
 - Asbestos Safety Control Monitor
 - Lead Inspections & Risk Assessments Licenses
 - Licensed Asbestos Safety Technician
- NJ Department of Environmental Protection
 - State Certified Environmental Laboratory
 - Radioactive Material License
 - Licensed Site Remediation Professional (LSRP)
 - Subsurface Evaluators License
 - Underground Storage Tank Installation
 - License Underground Storage Tank Closure License Corrosion Inspector
 - Storage Tank Inspection
- NJ Department of Health
 - Indoor Environmental Health Assessments of Child Care Centers and Educational Facilities
 - Licensed Lead Inspector/Risk Assessor/Supervisor
 - Accredited Instructors for Asbestos Worker/Supervisor Training Courses
 - Indoor Environmental Health Assessment IEHA
- NJ Department of Labor NJ Public Works Cert621474 x 1.9.24 _AM_04262022-142624.pdf
- NJ Department of the Treasury/Division of Property Management and Construction
 - DPMC Professional Consulting Services Prequalification
 - DPMC UST and Contractor Classification
- NJ School Development Authority NJ SDA Consulting Certification
- Occupational Safety and Health Administration
 - Hazardous Waste Operations and Emergency Response Supervisor
 - 29 CFR 1910.146 Permit Required Confined Space Safety & Health Training
- US Department of Labor Hazardous Waste Operations and Emergency Response Worker
- US Environmental Protection Agency
 - All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories



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- Certified Contractor Supervisor
- Asbestos Hazard Emergency Response Act (AHERA) Certified Asbestos Project Designer
- Asbestos Hazard Emergency Response Act (AHERA) Certified Asbestos Building Inspector
- Asbestos Hazard Emergency Response Act (AHERA) Certified Asbestos Management Planner
- Asbestos Hazard Emergency Response Act (AHERA) Accredited Instructors for Asbestos Training Region I and II

REGIONAL, STATEWIDE, AND LOCAL SERVICE CAPABILITIES.

TTI offers comprehensive environmental consulting services with a regional, statewide, and national reach. Our Licensed Site Remediation Professionals (LSRPs) provide expert services across New Jersey, while our environmental consulting group serves clients in New York, Pennsylvania, Delaware, New Jersey, and the Washington DC/DMV Metro areas. Our tank and construction divisions operate nationwide, delivering specialized services for clients across the U.S. Additionally, our Industrial Hygiene division caters to clients in New Jersey, Pennsylvania, New York, and Delaware, ensuring broad geographic coverage and industry expertise.

- **RESPONSIBLE DIVISION** TTI's Environmental Consulting Division provides services which include **environmental consulting, Licensed Site Remediation Professionals (LSRP), and environmental health & safety**. The Environmental Consulting Division is licensed by the New Jersey Department of Environmental Protection (NJDEP), New Jersey Department of Community Affairs (NJDEA), and prequalified by the Division of Property Management and Construction (DPMC), and the New Jersey Department of Health (NJDOH) for IEHA process. TTI can self-perform each service provided in the scope. In the event a specific task is identified to require the services of a subconsultant, TTI will provide Hamilton Township with a description of that task and a subconsultant to perform the work as needed. Typical tasks for LSRP work include Site Investigation, Remedial Investigation, and Remedial Action; Underground Storage Tank Evaluation and Investigation; Remedial Oversight; Alternative Fill Evaluations; Vapor Intrusion Investigation; and Linear Construction Requirements, among other tasks. Consulting projects also include all stages of Due Diligence, Air Permitting, Safety Consulting & Training, Compliance Audits/Resolutions.
- **RESPONSIBLE DIVISION** TTI's Industrial Hygiene Division provides a wide range of services, including **inspections for asbestos, lead-based paint, and mold, as well as air monitoring and indoor air quality assessments**. Our licensed professionals, certified by USEPA and state agencies, have over 30 years of experience managing projects for public agencies, ensuring compliance and safety. Recognized as one of the oldest asbestos-certified firms in the tri-state area, TTI specializes in Asbestos Operations & Maintenance, Mercury Consulting, Lead-Based Paint Inspections, and more. Our rapid response approach minimizes disruptions for government and federal clients while maintaining high standards of safety and compliance.
- **TTI's Contracting & Construction Division** specializes in **storage tank systems, fuel systems, and tank construction or removal**, ensuring compliance with stringent regulations while prioritizing safety, schedule, budget, and site conditions. Services exceed regulatory standards and cater to clients' logistical and business requirements. Expertise in site restoration, decontamination, demolition, and decommissioning, with historic experience providing optimal remedial approaches. Additionally, our secondary containment capability includes constructing protective features for spill prevention control and countermeasure plans. TTI owns and warehouses construction/excavation equipment, instrumentation, and field vehicles.
- **TTI's Inspection Division** conducts **API and STI inspections on storage tanks, pressure vessels, piping, and new equipment**, utilizing a comprehensive range of NDE services and engineering evaluations. Our expertise covers inspection criteria outlined in API Standards 653, 570, and 510, as well as STI Standard SP001 and AWWA D100. Our thorough inspections consistently meet or exceed established requirements and adhere to State and Federal guidelines, including those set by NJ DEP, PA DEP, NY



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DEC, MDE, DNREC, and DPCC, as well as regulations such as RCRA, TSCA, SPCC, OSHA, and NFPA.

- **TTI provides comprehensive Aboveground Storage Tank (AST) and Underground Storage Tank (UST) services.** TTI self-performs these services with our own NJDEP certified tank handlers and A/B Operators and Inspectors. TTI is NJDPMC classified for UST and AST work and holds a NJDEP certified for Cathodic Protection Tester, Closure, Installation-Entire UST Systems, Subsurface Evaluation.



C. PUBLIC SECTOR CLIENTS/EXPERIENCE

TTI provides comprehensive compliance services to public and private clients, leveraging our qualified personnel to ensure adherence to local, state, and federal regulations. Our clientele includes government agencies, industries, schools, hospitals, housing authorities, banks, insurance companies, and real estate developers. With over 30 municipal clients, TTI has a strong track record in delivering professional environmental services. Our average annual public sector work amounts to approximately \$4 million per year.

TTI is currently retained as LSRP of record on multiple cases including for the Bergen County DOH, Camden County, Camden Redevelopment Agency, the Borough of Mt. Ephraim, Borough of Oaklyn, Haddon Township, the Township of Bordentown, and other Federal, State, County, and Municipal Clients. Typical tasks for LSRP work include Site Investigation, Remedial Investigation, and Remedial Action; Underground Storage Tank Evaluation and Investigation; Remedial Oversight; Alternative Fill Evaluations; Vapor Intrusion Investigation; and Linear Construction Requirements, among other tasks.

While TTI does not specialize in New Jersey Local Public Contracts Law, we are knowledgeable of and well versed in participating and committed to adhering to its requirements. Our team is experienced in navigating public procurement processes and has successfully delivered services under similar statutes for other municipalities in New Jersey. We regularly collaborate with municipal officials and legal counsel to ensure compliance with all applicable local, state, and federal regulations.

Local Government Clients – Similar Contracts & References

EXTENSIVE EXPERIENCE WITH NEW JERSEY MUNICIPALITIES

TTI has extensive experience working with these municipalities across New Jersey, including housing and utility authorities, redevelopment agencies, and townships. Our proven track record in these areas highlights our ability to navigate diverse regulatory landscapes and deliver effective environmental solutions tailored to the specific needs of each community. **TTI is currently retained as LSRP of record on multiple cases for highlighted**

Municipal Clients

- Atlantic County Utilities Authority
- Bergen County Improvement Authority
- Borough of Haddonfield
 - Louise Salvatore, 856-429-4700 x215, LSalvatore@haddonfield-nj.gov
- Borough of Madison
 - Robert Vogel, (973) 593-3037, vogelr@lus.rosenet.org
- Borough of Matawan
- Borough of Mt. Ephraim
 - Terri Shannon, Borough Clerk, 121 S. Black Horse Pike Mount Ephraim, NJ
boroclerk@mountephraim-nj.com (856)-931-1546
- Borough of Palisades Park
- Camden County
 - Kevin Fitzsimons Senior Project Manager, Courthouse, Suite 306 520 Market St., Camden, NJ 08102
kevin.fitzsimons@camdencounty.com (856) 374-5188
- Camden Redevelopment Agency
 - Olivette Simpson, Interim Exec. Director and Board Secretary 520 Market St # 1300, Camden, NJ 08102
olsimpso@ci.camden.nj.us (856) 225-5300
- City of Camden
 - Lateefah Chandler, 856-757-7475, lachandl@ci.camden.nj.us
- City of Camden Housing Authority
- City of Trenton
- City of Woodbury
- County of Bergen
 - Thomas Longo, Program Coordinator - DOH One Bergen County Plaza, Hackensack, NJ 07601



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tlongo@co.bergen.nj.us (201)-634-2808

- County of Cumberland
- Cumberland County Improvement Authority
- Evesham MUA
- Ewing-Lawrence Sewerage Authority
- Haddon Township
 - *Randall W. Teague, Mayor 135 Haddon Avenue, Haddon Township, NJ 08108*
mayorteague@haddontwp.com 856-854-1176
- Housing Authority of Newton
- Jersey City Redevelopment Authority
- Joint Meeting of Essex & Union Counties
- Madison Borough
- NJ Department of Military & Veteran Affairs
 - *Chuck Appleby, 609-530-7136*
- Ocean County Dept. of Buildings & Grounds
 - *George Hazelet, 732-929-2039 x 3460* GHazelet@co.ocean.nj.us
- Passaic Housing Authority
- Passaic Valley Water Commission
- Penns grove Housing Authority
- Roxbury Township
- Somerset County
- Township of Bordentown
 - *Mike Theokas, Administrator 1 Municipal Drive, Bordentown, NJ 08505*
m.theokas@bordentowntwp.org 609-298-2800 x2102
- Township of Irvington
- Union County Improvement Authority

Client Record of Success

TTI Environmental Inc. has extensive experience providing Environmental services for municipalities, school districts and housing authorities throughout New Jersey. As the specific projects required by **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE** are currently undefined, the scope of work will depend on project-specific factors, including discovery, site investigations, remedial oversight, regulatory compliance, and reporting.

Contract amounts and scopes vary significantly based on the unique needs of each project, rather than being predetermined or tied to a specific contract year. Below, we provide examples of similar contracts that illustrate our ability to adapt to varying project requirements and deliver high-quality LSRP services.

New Jersey American Water

TTI does extensive work for both NJ and PA American Water. TTI was contracted to provide LSRPS services for a NJ American Water site that formerly utilized an aboveground storage tank that was removed in August 2017. Lead paint from the tank was detected in the soil samples collected above the NJDEP default Impact to Groundwater Screening Levels. TTI's LSRP utilized compliance averaging for the 2017 soil exceedances and delineation samples and the arithmetic mean was below the NJDEP IGWSSL. TTI utilized historic 2017 soil samples and analytical results as well as soil samples collected in 2020 to prepare a Site and Remedial Investigation Report for submittal to the NJDEP. TTI submitted an RAO to the NJDEP and NJ American Water.

Atlantic County Utilities Authority (ACUA)

TTI was contracted by ACUA for NJDEP Project No S340809-23. TTI performed closure by removal of one (1) regulated, 15,000-gallon No. 2 Heating Oil underground storage tank (UST) at their facility Atlantic County NJ facility. As part of the closure, three (3) UST leak detection wells were also decommissioned. TTI provided LSRP oversight of the project including submitting notice of intent to close to NJDEP, developed sampling and analysis



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plan, data evaluation, report peer review and oversaw field activities. After TTI completed the tank excavation, cleaning and removal post excavation samples from excavation and piping were collected. Soil reuse samples were also collected from excavated overburden soil pile. Two UST leak detection wells were also decommissioned by excavation.

Wooddale County Park, Bergen County DOHS, New Jersey

TTI was contracted to review the historical site activities and to determine if groundwater impact is below the NJDEP groundwater quality standards (GWQS). TTI collected groundwater samples at the site and petroleum contaminants were detected above GWQS. TTI completed horizontal and vertical delineation of groundwater contaminants. A groundwater fate and transport model were developed to determine the distance contaminants are expected to migrate prior to dropping below GWQS and for creation of a Classification Exception Area (CEA) as an institutional control restricting the use of groundwater at the site. Monitored natural attenuation was selected as the remedial approach since contaminants were determined to be stable and decreasing. A soil investigation was conducted to verify no contaminants of concern remained above soil remediation standards. TTI is in the process of submitting Remedial Action report and Remedial Action Permit for groundwater (RAP-GW). A limited-restricted use RAO shall be issued for the site upon approval of the RAP application.

Center for Family Services, Camden, New Jersey

TTI prepared a Part 58 Environmental Assessment Form for four properties located in Camden, New Jersey. The environmental review was prepared under Department of Housing and Urban Development (HUD)'s National Environmental Policy Act (NEPA) regulations of 24 CFR Part 58. TTI performed a physical inspection, condition assessment, surrounding area assessment, file review, historical aerial photography review, and prepared Form 58.

Housing Authority of the City of Camden, Camden, New Jersey

TTI prepared a Part 58 Environmental Assessment Form for two properties located in Camden, New Jersey. The environmental review was prepared under Department of Housing and Urban Development (HUD)'s National Environmental Policy Act (NEPA) regulations of 24 CFR Part 58. TTI performed a physical inspection, condition assessment, surrounding area assessment, file review, historical aerial photography review, and prepared Form 58.

Remedial Action Activities, Mt. Ephraim, New Jersey

A 1,000-gallon steel unleaded gasoline UST was closed by removal. Investigations were conducted to delineate soil and groundwater impacts from the UST. TTI submitted a Remedial Investigation report to NJDEP to satisfy the regulatory timeframe. A CEA was established for the groundwater contamination at the site in April 2019. The CEA included benzene and MTBE as the contaminants in excess of the GWQS. The CEA was given a duration of 10 years. TTI installed down-gradient sentinel wells and a vertical delineation well. Two rounds of groundwater sampling were conducted of the sentinel wells and the vertical delineation wells were sampled. The samples returned no exceedances of the NJDEP GWQS. TTI is preparing a Remedial Action Report and shall issue a RAO for the site.

Camden County, New Jersey

TTI has been contracted to provide asbestos surveys, collection of suspect Asbestos Containing Building Materials (ACBMs), Mold Investigations and sampling, Lead-Based Paint investigations and sampling, Hazardous Materials surveys, and have provided consulting, management, and remediation support services for Camden County since 1998.

Ocean County, New Jersey

TTI has maintained an Environmental Consulting contract with Ocean County for Indoor Air Quality (IAQ)/Microbial Contaminants, Asbestos Management, Lead-Based Paint (LBP) Management, Compliance Management, and Geoenvironmental Consulting. Work in 2023 has included IAQ sampling and reports.

Rowan University, New Jersey



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TTI is currently providing LSRP services for 2 projects on Rowan properties and conducts IAQ asbestos surveys, asbestos abatement design/management/air monitoring, and reporting for various buildings owned by the university.

City of Camden, New Jersey

TTI has been contracted with the City of Camden to perform numerous services including Asbestos Abatement Design and Oversight, Project and Final Air Clearance sampling and reporting, Lead-Based Paint surveys and sampling, IAQ Inspections and sampling, Work Plan Development, Operations & Maintenance (O&M) Plans.

Borough of Madison, New Jersey

TTI was contracted to conduct asbestos inspections, including locating, sampling assessing and quantifying suspect asbestos-containing materials, and develop asbestos abatement specifications and drawings and provide the required abatement oversight.

Borough of Haddonfield, New Jersey

TTI has maintained multiple contracts since 2018 to provide Lead-Based Paint testing, Mold Remediation Clearance, Asbestos Surveys, and Hazardous Materials Building Surveys for the Borough of Haddonfield



D. MANAGEMENT APPROACH & STAFF

Working together with our project managers from all divisions, our field technicians, project scientists, and administrative personnel provide robust support, guaranteeing seamless coordination across all administrative, technical, and field operations. Specifically listed below are our Environmental Consulting and Industrial Hygiene Division.

At the helm of **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE** environmental consulting overview, key staff will manage the contract, scope of services, regulatory submissions, and reporting.

Name	Corporate Title	Role For THE HOUSING AUTHORITY OF THE CITY OF BAYONNE	Certifications	YEARS EXPERIENCE
Kristin Heimbürger	Director Environmental Consulting	Executive Oversight	LSRP 628897	20
Andy Basehoar	Site Remediation Program Manager	Senior Project Manager / Project Team Director	LSRP 837642 PG 005181	16
David DiPascale	Project Manager	Project Manager	LSRP 1028930	2
Patricia Stock	EHS Senior Consultant	EHS Specialist		32
Tim Popp	VP Environmental Cons	Industrial Hygiene Director		38
Jim Guilardi	Director of Industrial Hygiene	Industrial Hygiene Director	AST 00026	40

LICENSED SITE REMEDIATION PROFESSIONAL STAFF

TTI maintains four (4) Licensed Site Remediation Professionals (LSRPs). These individuals are full-time employees and maintain an outstanding support staff of Environmental Associates, Project Scientists, and Project Managers. The following are our LSRPs who are available for assignment to your contract:

- **Craig P. Durand, CHMM, LSRP, (#573648)** is President of TTI. Mr. Durand has been an LSRP since the NJDEP program began in 2009. He has over 30 years of environmental experience specifically with remediation. Mr. Durand maintains several cases and manages the everyday operations of the firm. He is responsible for overseeing five (5) Directors of the firm and supporting the sales and marketing efforts and guiding our corporate business plans. He is also responsible for budgeting and all business activity including employee relations. Mr. Durand motivates our staff to continue to attend technical courses relevant to their areas of expertise. He has arranged in-house lunch and learns after an employee returns from a course to share what they learned from the material covered with other employees. Mr. Durand was also the leader with TTI's in-house safety programs. He created a safety committee, and they meet monthly. They coordinate two (2) mandatory in-house safety training sessions yearly. Mr. Durand is constantly researching and discussing ways to update or improve our programs with clients. Mr. Durand will provide executive oversight for this contract. Mr. Durand earned a Bachelor of Science, 1987, Environmental Science, Water Resources - Rutgers, The School of Environmental and Biological Sciences.
- **Kristin Heimbürger, LSRP, (#628897)** is Director of TTI's Environmental Consulting Division. Kristin has worked at TTI for over 20 years and advanced her career through understanding of due diligence and state environmental regulations. She is responsible for the management of two administrative team members as well as 13 technical personnel in her division who routinely conduct due diligence services such as Phase Is and Phase IIs, Site Investigations, Remedial Designs, Remedial Investigations and Soil and Water Analysis. TTI maintains our own NJDEP approved laboratory to analyze parameters during groundwater sampling, of which Kristin was instrumental in establishing this capability for our firm.

Kristin is active with the Licensed Site Remediation Professional Association (LSRPA), the Brownfield



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Coalition of the Northeast (BCONE), the Society of Women Environmental Professionals (SWEP), and the Community Associations Institute New Jersey Chapter (CAI-NJ).

Kristin has been a New Jersey Licensed Site Remediation Professional (LSRP) since 2014 and has 10 years of LSRP experience. She strictly adheres to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) Rules, N.J.A.C. 7:26C, the Site Remediation Reform Act (SRRA) N.J.S.A. 58:10C, the Underground Storage Tanks N.J.S.A. 7:14B, the Industrial Site Recovery Act N.J.A.C. 7:26B, HOTS 7:26F, and the Technical Requirements for Site Remediation 7:26E. As an LSRP, Kristin has conducted investigations related to the Industrial Site Recovery Act (ISRA), UST closures, historic fills, historically applied pesticides, chlorinated solvents, petroleum hydrocarbons, soil remediation through excavation, ecological investigations, surface water investigations, vapor intrusion investigations, in-situ groundwater remediation, attainment strategies/alternative remediation standards, Light Non-Aqueous Phase Liquids (LNAPL), Remedial Action Permits including engineering and institutional controls, Biennial Certifications, Preliminary Assessments, Site Investigations, Remedial Investigations, Remedial Action Workplans, Remedial Actions, Response Action Outcomes, Linear Construction, Child Care Certifications, Hazardous Discharge Site Remediation Funds, Green Acres, Offsite Contamination Investigations, and Comingled Plume Investigations. Her portfolio of project experience includes, but is not limited to, managing contamination at sensitive sites such as schools and churches, and conducting site investigations at public parks and former fully operated gas stations. Kristin's typical clients include municipal entities, schools, industrial, state government entities, commercial, universities, county entities, redevelopment agencies, fuel distributors, automotive dealerships, land developers, banks, insurance companies, and more. Kristin has issued over 75 RAOs throughout her career as an LSRP. She earned a Bachelor of Science, Environmental Science – University of Scranton, Pennsylvania. Kristin will be responsible for oversight of project activities, budgets, scheduling, and providing LSRP-focused technical and administrative support for this contract.

- **Andrew Basehoar, PG, LSRP, (#837642)** is TTI's Site Remediation Program Manager. At TTI, Andy is the Program Manager responsible for the Site Remediation Group under which TTI's LSRP projects are conducted. He is the Subject Matter Expert for groundwater investigation, groundwater remediation, groundwater fate and transport modeling, and provides technical support for soil investigations and remediations. Andy has over 16 years of environmental and geological experience and has three years of LSRP experience. He strictly adheres to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) Rules, N.J.A.C. 7:26C, the Site Remediation Reform Act (SRRA) N.J.S.A. 58:10C, the Underground Storage Tanks N.J.S.A. 7:14B, the Industrial Site Recovery Act N.J.A.C. 7:26B, HOTS 7:26F, and the Technical Requirements for Site Remediation 7:26E. Andy has successfully executed numerous remedial designs, and efficiently coordinates and oversees remedial investigations. Andy provides senior-level consulting services for a wide range of government, industrial, and commercial clients, as well as municipal entities, schools, industrial clients, commercial clients, universities, redevelopment agencies, fuel distributors, automotive dealerships, land developers, banks, insurance companies, and more. His consulting service areas include oversight of due diligence projects including Phase I & II Environmental Assessments and management of multi-level environmental investigation/remediation projects at federal facilities, municipal/county government sites, and commercial/industrial sites. He is knowledgeable with PADEP's Land Recycling Program (Act 2). Andy prepares and provides oversight of site remediation projects, industrial demolitions, and UST closures in accordance with state requirements, and works on numerous Brownfields projects. He has conducted investigations related to the Industrial Site Recovery Act (ISRA), UST closures, historic fills, historically applied pesticides, chlorinated solvents, petroleum hydrocarbons, soil remediation through excavation, ecological investigations, surface water investigations, vapor intrusion investigations, in-situ groundwater remediation, attainment strategies/alternative remediation standards, Light Non-Aqueous Phase Liquids (LNAPL), Remedial Action Permits including engineering and institutional controls, Biennial Certifications, Preliminary Assessments, Site Investigations, Remedial Investigations, Remedial Action Workplans, Remedial Actions, Response Action Outcomes, Linear Construction, Child Care Certifications, and Hazardous Discharge Site Remediation Funds, Classification Area calculations, and groundwater fate



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and transport modeling using MODFLOW. He earned a Bachelor of Science, Environmental Science/Geology – Kutztown University, Pennsylvania. Andy is active with the Licensed Site Remediation Professional Association (LSRPA), the Brownfield Coalition of the Northeast (BCONE), and the Community Associations Institute New Jersey Chapter (CAI- NJ).

- **David DiPascale, LSRP, (#1028930)** began as an intern with TTI in 2013 and was promoted to Project Manager in 2022. David obtained his LSRP license in December 2023. He has 2 years of experience working as a project manager and has supported TTI's LSRPs on cases involving the Industrial Site Recovery Act (ISRA), UST closures, historic fill, historically applied pesticides, chlorinated solvents, petroleum hydrocarbons, soil remediation through excavation, ecological investigations, surface water investigations, vapor intrusion investigations, in-situ groundwater remediation, attainment strategies/alternative remediation standards, Light Non-Aqueous Phase Liquid (LNAPL), Remedial Action Permits (including engineering and institutional controls), Biennial Certifications, Preliminary Assessment, Site Investigation, Remedial Investigation, Remedial Action Workplan, Remedial Action, Response Action Outcome, Child Care Certifications, Hazardous Discharge Site Remediation Fund, Green Acres, Offsite Contamination Investigations, Comingled Plume investigations, and more. David has over 11 years of environmental experience. Having recently navigated the certification process, David understands the importance of strict adherence to the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS) Rules, N.J.A.C. 7:26C, the Site Remediation Reform Act (SRRA) N.J.S.A. 58:10C, the Underground Storage Tanks N.J.S.A. 7:14B, the Industrial Site Recovery Act N.J.A.C. 7:26B, HOTS 7:26F, and the Technical Requirements for Site Remediation 7:26E. As LSRP, David is responsible for one contract for the closure of regulated USTs. David is also a member of the Licensed Site Remediation Professional Association (LSRPA), the Brownfield Coalition of the Northeast (BCONE), and the Community Associations Institute New Jersey Chapter (CAI- NJ). He earned a Bachelor of Science, Integrated Science and Technology – James Madison University.

David will support this contract by providing budgetary support, scheduling, and oversight of technical staff, and will conduct field investigations and manage daily operations of the project.

ENVIRONMENTAL HEALTH & SAFETY

Patricia Stock, Director of Inspections and TTI's EHS Senior Consultant, brings extensive expertise in EHS management, ISO 14001 implementation, EHS training, risk assessments, hazard analysis, environmental permitting, and regulatory reporting. Patricia will oversee all inspection activities, conduct comprehensive risk assessments, lead hazard analysis efforts, manage environmental permitting processes, and ensure accurate regulatory reporting. Her robust background ensures stringent adherence to industry standards and regulatory requirements, maintaining the highest levels of safety and compliance throughout the **THE HOUSING AUTHORITY OF THE CITY OF BAYONNE** service.

ENVIRONMENTAL CONSULTING DIVISION – Resumes attached

The Environmental Consulting division consists of 17 personnel in total.

Craig Durand	President of TTI and LSRP
Kristin Heimburger	Director of Environmental Consulting and LSRP
Andrew Basehoar	Site Remediation Program Manager and LSRP
David DiPascale	Project Manager and LSRP
Matthew Scott	Senior Project Manager
Robert Russell,	Project Manager
Renee Michalak	Project Scientist
Ryan Cooper	Project Scientist
Alec Halbruner	Environmental Associate 2
Kevin Carr	Environmental Associate 2
Emma Glasse	Environmental Associate 2
Shian Knouse	Environmental Associate 1
Kyle Thompson	Environmental Associate 1
Jennifer Polios	Environmental Associate 1
Derrick Astudillo	Environmental Associate 1
Lisa West	Division Support Manager
Nyikia Nixon	Administrative Assistant



INDUSTRIAL HYGIENE MANAGEMENT

- **Tim Popp, Vice President of Consulting Division** - Tim oversees and provides guidance for the Environmental Consulting, Industrial Hygiene and EH&S departments, and continues to focus on client needs, providing technical direction and project supervision. Tim's expertise includes: Indoor Air Quality Assessments, Site Discharge Investigations, Soil & Groundwater Remedial Actions, Mold Investigation & Remedial Action, ASTM Phase I & II Investigations, Vapor Intrusion Investigations, Asbestos, Lead Paint, Environmental Training, Specification Development, Hazardous Material Survey & Disposal and Emergency Response. He manages contract projects and serves as the central liaison for clients, ensuring effective communication and collaboration between facility owners and local, state, and federal regulatory agencies. At TTI, Tim has served as Project Manager, and Division Director. Prior to TTI, Tim served as an Environmental Specialist for Northeastern Analytical Corporation. Tim holds a BS in Environmental Studies from Buxton University. Mr. Popp maintains an EPA Asbestos Building Inspector Certification and NJDEP UST License. Mr. Popp is an active member of the Environmental Bankers Association (EBA).

- **Jim Guilardi, Director of Industrial Hygiene** - As Director of Industrial Hygiene, Jim manages all aspects of asbestos, lead and mold project oversight from initial inspections/monitoring services to sampling and final report reviews. Responsibilities include implementation of department budget, field staff supervision and training, sales, invoicing, quality control and project management. He is responsible for coordinating consulting services, management plans, specification development, specific surveys, technical guidance to facility management, and development and presentation of client employee training programs. Jim has extensive experience in complex asbestos, lead and mold issues and performs a wide variety of consulting and abatement planning services. He provides contract project management and serves as client liaison and intermediary between local, state and federal regulatory agencies and facility owners.
Jim received a BS in Education from Glassboro State College. Jim maintains numerous certifications including NSEPA/AHERA/Pennsylvania, Asbestos Abatement Project Designer and Management Planner, Philadelphia Asbestos Project Inspector, Asbestos Investigator and Delaware Project Monitor.

INDUSTRIAL HYGIENE DIVISION – Resumes attached

The following personnel are members of the Industrial Hygiene division of TTI, consisting of 19 personnel.

Relevant AST/AHERA listed for quick view.

Craig Durand	President of TTI and LSRP
Timothy Popp	Vice President of Consulting
James Guilardi	Director of Industrial Hygiene – AST 00026
Michael Keehn	Senior Project Manager
Michael Sanders	Senior Project Manager – AHERA Reg No. ACC-0224-8-004
Brian Clark	Senior Project Manager
Scott Magee	Project Manager
Kristopher Smith	Project Manager – AST 01349
Mary Ellen Leotta	Senior IH Technician - AHERA Reg No. ACC-1023-6-002
Nathanael Roberts	Senior IH Technician – AHERA Reg No. ACC-0923-6-028
Eric Cole	IH Technician – AHERA Reg No. ACC-1023-6-022
Mary McFarland	IH Technician – AHERA Reg No. ACC-0524-6-027
Rati Kutaladze	IH Technician – AHERA Cert No. 24-6Z9E8-SHAB
Adam Fischer	IH Technician – AHERA Reg No. ACC-0923-5-003
Xander Emmert	IH Technician – AHERA Reg No. ACC-1123-6-015
Cody Schultz	IH Technician – AHERA Reg No. ACC-0524-6-024
Mark Shuts	IH Technicians – AHERA Reg No. ACC-0524-6-025
Richard Clayton	Project Coordinator
Villia Vinci	Project Coordinator



FEES SCHEDULE

1. TTI will propose an hourly rate for the services to be provided.
2. TTI will outline any fees for non-hourly costs or services that would be chargeable to the BHA.
3. TTI will detail the proposed billing rate for any additional staff proposed to assist in providing LSRP services by name and title.
4. TTI will include a listing of typical NJDEP fees for linear development projects and confirm that these fees will be reimbursed to the Consultant for each on-call project.
5. TTI will not seek separate or additional payment for food, transportation, telephone calls, postage, equipment usage or rental, copies, printing, fax, or personnel overtime.

Industrial Hygiene (IH) Services:

INDUSTRIAL HYGIENE (IH) Rates 2025 for Items Including IAQ Services, Asbestos Compliance Services, and Other Services (not including training).

A. Labor Rates

Title	Billable Rate
CIH	\$160.00/hour
Senior Project Manager	\$130.00/hour
Project Manager	\$120.00/hour
Industrial Hygienist	\$80.00/hour
Industrial Hygienist OT	\$120.00/hour
Asbestos Safety Technician	\$85.00/hour
Asbestos Safety Technician OT	\$125.00/hour
CAD Operator	\$85.00/hour
Technical Administrator	\$70.00/hour

Asbestos Analysis	Cost
Asbestos PCM - Air: NIOSH 7400 (on site direct read/immediate)	\$13.00/each
Asbestos PCM -Air: NIOSH 7400 (24-hour TAT)	\$13.00/each
Asbestos TEM - Air: AHERA (24-hour TAT)	\$88.00/each
Asbestos PLM - Bulk: EPA/600/R-93/116 (24-hour TAT)	\$13.00/each
Asbestos TEM - Bulk: NOB (24-hour TAT)	\$80.00/each
Lead Analysis	Cost
Lead Paint (Chips & Wipes) (24-hour TAT)	\$17.25/each
Lead Soil, Flame AA (SW-846-70008) (24-hour TAT)	\$25.00/each
Lead Drinking Water, EPA 200.8 (2 Week TAT)	\$17.00/each
Mold Analysis	Cost
Mold Air Samples, Non-Culturable (Spore Traps) (24-hour TAT)	\$70.00/each
Mold Tape Lift, Swab, Wipe (Surface Samples) (24-hour TAT}	\$65.00/each
PCB's & Mercury Analysis	Cost
PCBs - Bulk Sample, Caulking/Concrete/Paint (2 Week TAT)	\$175.00/each
Mercury- Bulk Sample (2-week TAT)	\$115.00/each
Laboratory Analysis not listed	Cost+ 15%

Equipment	Daily Rate
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Field Equipment	\$150.00/day
IAQ & PID Instruments	\$100.00/day
XRF Lead Paint	\$200.00/day
PPE Per Person	\$50.00/day

Environmental Consulting (ENV) Rates:

A. Labor Rates for LSRP Services to THE HOUSING AUTHORITY OF BAYONNE

Title	Billable Rate
Principal	\$190.00/hour
Director	\$175.00/hour
LSRP	\$150.00/hour
Senior Project Manager	\$135.00/hour
Project Manager	\$120.00/hour
Environmental Associate 2	\$100.00/hour
Environmental Associate 1	\$85.00/hour
GIS/CAD	\$75.00/hour
Technical Administrator	\$70.00/hour

B. Subcontractor Management Fees

TTI typically includes a 15% markup on subcontracted services.

C. Equipment Rates

Item	Unit	Unit Cost
PID	Day	\$165.00
Interface Probe	Day	\$82.00
Generator	Day	\$55.00
Field Truck/Car	Day	\$110.00
Auger	Day	\$110.00
Well Sampling – Low Flow and Purge Method	Day	\$660.00
Water Level Meter	Day	\$55.00
Grundfos Pump	Day	\$110.00
LEL/O2 Meters	Day	\$165.00
Hammer Drill	Day	\$110.00

D. Laboratory Analysis

Laboratory analysis reflects a 15% markup.

Item	Unit	Unit Cost
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TCL/TAL+30 (soil)	Sample	\$690.00
EPH Category I	Sample	\$85.00
EPH Category II	Sample	\$183.00
VOCs	Sample	\$94.00
PCBs	Sample	\$94.00
TAL Metals	Sample	\$132.00
PAH	Sample	\$150.00
Full TCLP	Sample	\$752.00
TCL/PP Organochlorine Pesticides	Sample	\$107.00
RCRA 8 Metals	Sample	\$94.00
Hexavalent Chromium - Soil	Sample	\$83.00
Hexavalent Chromium – Water	Sample	\$31.00
Single Metal	Sample	\$38.00
Individual TCLP / SPLP ZHE (Volatile Extraction)	Sample	\$50.00
Individual TCLP / SPLP (Non-Volatile Extraction)	Sample	\$50.00
Herbicides	Sample	\$182.00
Corrosivity (pH)	Sample	\$15.00
Ignitability / Flashpoint	Sample	\$30.00
Reactivity (Cyanide & Sulfide)	Sample	\$63.00
Paint Filter Test / Free Liquids	Sample	\$24.00
RCRA Characteristics (Reactive CN & S, Ignitability, Corrosivity)	Sample	\$100.00



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

02/28/2025

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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Ironwood, a Marsh & McLennan Agency, LLC Co 4401 Northside Parkway NW Suite 800 Atlanta GA 30327	CONTACT NAME: Madeline Stowe PHONE (A/C, No, Ext): (770) 314-6580 E-MAIL ADDRESS: madeline.stowe@marshmma.com FAX (A/C, No): (404) 503-9101																					
INSURED TTI Environmental, Inc. 1253 North Church Street Moorestown NJ 08057	<table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>Nautilus Insurance Co</td><td>17370</td></tr><tr><td>INSURER B:</td><td>Key Risk Insurance Company</td><td>10885</td></tr><tr><td>INSURER C:</td><td>Granite State Insurance Co</td><td>23809</td></tr><tr><td>INSURER D:</td><td>Travelers Property Casualty Co</td><td>25674</td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Nautilus Insurance Co	17370	INSURER B:	Key Risk Insurance Company	10885	INSURER C:	Granite State Insurance Co	23809	INSURER D:	Travelers Property Casualty Co	25674	INSURER E:			INSURER F:		
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INSURER E:																						
INSURER F:																						

COVERAGES**CERTIFICATE NUMBER:** 25-26**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 INSD	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 <input checked="" type="checkbox"/> Professional Liability GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			ECP202844916	03/03/2025	03/03/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Professional Liability \$ 1,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			BAP202844816	03/03/2025	03/03/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ 0			FFX202845116	03/03/2025	03/03/2026	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	15203168	03/03/2025	03/03/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Contractors Equipment - Leased/Rented			QT6602N687706TIL25	03/03/2025	03/03/2026	LIMIT 400,000 DEDUCTIBLE 5,000

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

CERTIFICATE HOLDER**CANCELLATION**

TTI Environmental, Inc. Evidence of Insurance

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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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

AGENCY Ironwood, a Marsh & McLennan Agency, LLC Co		NAMED INSURED TTI Environmental, Inc.
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,****FORM NUMBER:** 25 **FORM TITLE:** Certificate of Liability Insurance: Notes**GENERAL LIABILITY/CONTRACTORS POLLUTION LIABILITY/PROFESSIONAL LIABILITY POLICY:**

\$1,000,000 Each Occurrence

+ Umbrella/Excess \$5,000,000 Per Occurrence*

= \$6,000,000

\$2,000,000 General Aggregate

+ Umbrella/Excess \$5,000,000 Aggregate*

= \$7,000,000

\$2,000,000 Products/Completed Operations Aggregate

+ Umbrella/Excess \$5,000,000 Aggregate

= \$7,000,000

\$1,000,000 Personal/Advertising Injury

+ Umbrella/Excess \$5,000,000 Per Occurrence*

= \$6,000,000

Contractors Pollution Liability -

\$1,000,000 Contractors Pollution Liability (Each Pollution Condition)

+ Umbrella/Excess \$5,000,000 Per Occurrence*

= \$6,000,000

Professional Liability -

\$1,000,000 Professional Liability (Each Claim)

+ Umbrella/Excess \$5,000,000 Per Occurrence*

= \$6,000,000

AUTO LIABILITY POLICY:

\$1,000,000 Combined Single Limit (Any Auto)

\$1,000,000 Hired and Non-Owned Autos

+ Umbrella/Excess \$5,000,000 Per Occurrence*

= \$6,000,000

WORKERS COMPENSATION POLICY:

Limits (Employer's Liability) -

\$1,000,000 Bodily Injury by Accident - Per Accident

\$1,000,000 Bodily Injury by Disease - Policy Limit

\$1,000,000 Bodily Injury by Disease - Per Person

+ Umbrella/Excess \$5,000,000 Per Occurrence*

= \$6,000,000

EXCESS LIABILITY POLICY:

Limits -

\$5,000,000 Per Occurrence*

\$5,000,000 Aggregate*

*Excess Liability policy limits are excess of General Liability, Contractors Pollution Liability, Professional Liability, Auto Liability, and Workers Compensation (Employers Liability) limits.

Explosion, Collapse Underground (XCU) Included

Professional Liability Limit: \$1,000,000 Each Claim

05/05/14

Taxpayer Identification# 222-622-257/000

Dear Business Representative:

Congratulations! You are now registered with the New Jersey Division of Revenue.

Use the Taxpayer Identification Number listed above on all correspondence with the Divisions of Revenue and Taxation, as well as with the Department of Labor (if the business is subject to unemployment withholdings). Your tax returns and payments will be filed under this number, and you will be able to access information about your account by referencing it.

Additionally, please note that State law requires all contractors and subcontractors with Public agencies to provide proof of their registration with the Division of Revenue. The law also amended Section 92 of the Casino Control Act, which deals with the casino service industry.

We have attached a Proof of Registration Certificate for your use. To comply with the law, if you are currently under contract or entering into a contract with a State agency, you must provide a copy of the certificate to the contracting agency.

If you have any questions or require more information, feel free to call our Registration Hotline at (609)292-9292.

I wish you continued success in your business endeavors.

Sincerely,



James J. Fruscione
Director
New Jersey Division of Revenue

STATE OF NEW JERSEY
BUSINESS REGISTRATION CERTIFICATE

DEPARTMENT OF TREASURY
DIVISION OF REVENUE
PO BOX 232
TRENTON, N J 08646-0252

TAXPAYER NAME:

TTI ENVIRONMENTAL, INC.

ADDRESS:

1253 NORTH CHURCH STREET
MOORESTOWN NJ 08057-1136

EFFECTIVE DATE:

05/14/85

TRADE NAME:

SEQUENCE NUMBER:

0073225

ISSUANCE DATE:

05/05/14



Director
New Jersey Division of Revenue

Certificate Number
621474

Registration Date: 01/10/2024
Expiration Date: 01/09/2026



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:

TTH Environmental, Inc.
2024

Responsible Representative(s):

Craig Durand, President
William Stafford, Vice-President
Thomas O'Connell, Owner

Responsible Representative(s):

Richard Timothy Popp, Vice-President
Martin Back, Owner
James O'Donnell, Owner

A handwritten signature in black ink, appearing to read "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.

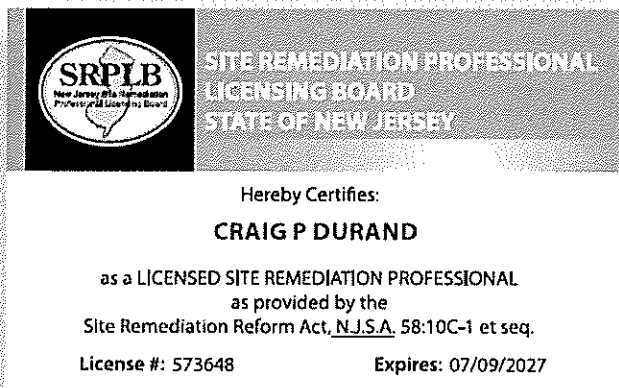
CERTIFICATE OF EMPLOYEE INFORMATION REPORT RENEWAL

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-Jan-2023** to **15-Jan-2026**

TTI ENVIRONMENTAL INCORPORATED
1253 NORTH CHURCH STREET
MOORESTOWN NJ 08057




ELIZABETH MAHER MUOIO
State Treasurer



TTI ENVIRONMENTAL, INC. MAINTAINS THE FOLLOWING NJ & NATIONAL LICENSES & CERTIFICATIONS

American Industrial Hygiene	<i>Asbestos Analyst Registry</i>
American Institute of Professional Geologists	<i>Certified Professional Geologist</i>
American Petroleum Institute	<i>Standard 653 Certified Aboveground Storage Tank Inspector Standard 570 Certified Pipework Inspector Standard 510 Certified Pressure Vessel Inspector</i>
American Society for Nondestructive Testing	<i>Ultrasonic Inspection – Levels I & II Liquid Penetrant – Levels I & II Magnetic Particle – Levels I & II</i>
American Chemical Society	<i>Certified Chemist</i>
Institute of Hazardous Materials Management	<i>Certified Hazardous Materials Manager</i>
National Institute for Occupational Safety and Health 582 Equivalency	<i>On-site Microscopy Analysis</i>
New Jersey Department of Community Affairs/Uniform Construction Code	<i>Lead Inspections & Risk Assessments Licenses Licensed Asbestos Safety Technician Asbestos Control Safety Monitor</i>
New Jersey Department of Environmental Protection	<i>Licensed Site Remediation Professional (LSRP) Subsurface Evaluators License Underground Storage Tank Installation License Underground Storage Tank Closure License Corrosion Inspector Tank Tester Radioactive Material License</i>
New Jersey Department of Health	<i>Accredited Instructors for Asbestos Worker/Supervisor Training Courses Licensed Lead Inspector/Risk Assessor/Supervisor Indoor Environmental Health Assessment IEHA</i>
Professional Association of Diving Instructors	<i>Certified Open Water Diver</i>
United States Department of Labor, Occupational Safety and Health Administration	<i>Hazardous Waste Operations and Emergency Response Worker Hazardous Waste Operations and Emergency Response Supervisor 29 CFR 1910.146 Permit Required Confined Space Safety & Health Training</i>
United States Environmental Protection Agency Asbestos Hazard Emergency Response Act (AHERA)	<i>Certified Contractor Supervisor Certified Asbestos Building Inspector Certified Asbestos Management Planner Certified Asbestos Project Designer Accredited Instructors for Asbestos Training Region I and II</i>



CRAIG P. DURAND, LSRP, CHMM
PRESIDENT

EXPERIENCE

TTI ENVIRONMENTAL, INC.
President

2000 to Present

Management – Responsible for firm's technical operations, financial performance, administration, and safety performance. Topics routinely evaluated include financial statements, departmental performance, key projects, proposed capital expenditures, company policies, and business forecast. Manage and coach departmental directors in each of the technical service lines. Direct safety committee in the development and implementation of standard operating procedures, training, and third-party communication. Develop and maintain relationships with bank, bond and insurance businesses partners.

Business Development - Responsible for firm's sales and marketing efforts including the approval of the marketing strategies, performing direct sales, and client relations activities lead by the Vice President of Sales and Marketing. Routinely engages in public speaking events, client meetings and social media engagement. Sales are acquired from industry, government, commercial businesses, architectural and engineering firms in the areas of environmental consulting, industrial hygiene, contracting, tank management, engineering, and health & safety.

Technical - Support program coordinators and scientists on principal projects involving multi-location assignments and long-term remedial strategies. Activities include review and development of technical work plans and fiscal budgets. Perform License Site Remediation Professional (LSRP) duties on remedial projects for clients. Review technical reports and present findings to clients. Serve as main point of contact for corporate client relationships.

Director of Sales and Marketing

1994 to 2000

Review and prepare technical proposals for the firm's services including site remediation, industrial hygiene, contracting, mechanical integrity, and safety & health.

Develop and manage sales and marketing campaigns that involve mailers, telemarketing, tradeshow, educational seminars, presentations, and introductory meetings.

Manage a five (5) person staff consisting of marketing specialists, salespeople, and the firm's leading seller/doers. Coach individuals on acquiring business and meeting sales goals.

Create and perform client specific presentations on technical and regulatory topics such as soil/groundwater remedial programs, aboveground storage tank inspection programs, and Brownfield strategies.

Director of Environmental Consulting

1990 to 1994

Responsible for the daily supervision of project managers, scientists, and technicians. Report to Vice President of Operations. Responsibilities include implementation of department budget, direct sales, monthly invoicing, personnel performance reviews and quality control.



CRAIG P. DURAND, LSRP, CHMM – Continued

Develop and maintain internal operating policies and procedures for technical reporting, data collection and assessment protocol.

Perform technical projects for key clients. Projects include Industrial Site Recovery Act proceedings, due diligence assessments, site investigations, soil and groundwater remediation, storage tank management, emergency response supervision, compliance auditing and closure.

IN-SITU OXIDATIVE TECHNOLOGIES, INC Environmental Scientist

1994 to 1996

Develop and implement pilot programs for the application of in-situ oxidative treatment of soils and groundwater throughout the United States.

Prepare Remedial Action Workplans and Reports for submission to State and Federal environmental agencies.

Supervise the mobilization of equipment, manpower and treatment chemicals to sites throughout the United States for the performance of full-scale treatment programs.

Prepare and obtain NPDES Permit-by-Rule approvals and Underground Injection Control permits for treatment of groundwater contaminant plumes.

NORTHEASTERN ANALYTICAL CORPORATION Project Manager

1988 to 1990

Perform subsurface assessments of tank closures in accordance with USEPA, NJDEP, PADEP, NYSDEC and DNREC Guidelines. Conduct environmental site assessments for lending institution and property development clientele. Develop and implement sampling and analytical plans for soil/groundwater remediation programs, potable water studies, waste characterization wastewater monitoring and lake assessments.

CAMDEN COUNTY MUNICIPAL UTILITIES AUTHORITY (CCMUA) Coordinator of Industrial Pretreatment Program

1987 to 1988

Prepare discharge permits for industrial facilities. Perform emergency response actions to illegal and accidental discharges to regional sewerage system.

CERTIFICATIONS & LICENSES

NJDEP Licensed Site Remediation Professional (LSRP No. 573648)
NJDEP Subsurface Evaluation License (No. 009985)
Certified Hazardous Materials Manager (CHMM), Senior Level, No. 4164
USOSHA 29 CFR 1910.120(e) Hazardous Waste Operations
USOSHA Permit Required Confined Space Training Certification
USOSHA 10 Hours Construction Safety and Health
American Safety & Health Institute CPR Certification



CRAIG P. DURAND, LSRP, CHMM – Continued

PROFESSIONAL AFFILIATIONS

American Coatings Association (ACA), Environmental Committee, Member since 2015
License Site Remediation Professional Association (LSRPA), Member since 2012
Environmental Bankers Association (EBA), Member since 2014
Institute of Hazardous Materials Management (CHMM), Member since 1993
New Jersey Association of School Business Officials (NJASBO), Member since 2015
Philadelphia Chapter of Academy of Certified Hazardous Material Management (ACHMM), Past President, Chairperson, Member since 1993
Society of American Military Engineers (SAME), Member since 2017

PRESENTATIONS

“Complying with SPCC’s New Tank Inspection Requirements”, ACHMM 2004 National Conference, Las Vegas, Nevada, August 2004.

“Tank Integrity Regulatory Requirements and Industry Standards” ASSE Professional Development Conference, New Orleans, Louisiana, June 2005

“Tank Integrity Inspections: SPCC & Beyond”, U.S. EPA Region III Emergency Preparedness and Prevention Conference, Philadelphia, Pennsylvania, December 2005

Lunch & Learn for Environmental Bankers Seminars, Presented by TTI Environmental from 2011 to 2022. Topics include:

- ASTM
- Act 2 Land Recycling the Pennsylvania Way
- Due Diligence
- SBA Lending
- LSRP Program, Case Studies
- Non-Scope Environmental Risks and Case Studies
- Vapor Intrusion / Vapor Encroachment
- Recognized Areas of Environmental Concern
- Reliance on State Regulatory Closures
- Onsite Site Screening Tools
- Restricted Use Sites – Ongoing Obligations and Responsibilities
- Phase II Drivers / REC vs HREC



CRAIG P. DURAND, LSRP, CHMM – Continued

“Environmental Consulting – Focus on Site Remediation”, Cherry Hill High School West, Cherry Hill, NJ
February 2016

“Licensed Site Remediation Professional”, Villanova University, Philadelphia, Pennsylvania, February
2018

“Due Diligence Considerations, Navigating NJ’s LSRP Program”, Environmental Bankers Association,
Philadelphia, Pennsylvania, June 2019

“Site Remediation Checkup”, Environmental Bankers Association, Phoenix, Arizona, January 2020

“Release Prevention Techniques, Where do I Start”, Voluntary Protection Programs Participants’
Association (VPPPA) Safety+ Symposium, Washington DC, August 2022

EDUCATION

Bachelor of Science, 1987, Environmental Science, Water Resources - Rutgers, The School of
Environmental and Biological Sciences

RECENT COURSES

Practical Environmental Professional Ethics, LSRPA, October 2012
Environmental Law for LSRP’s, Rutgers, February, February 2014
NJDEP Vapor Intrusion Guidance, Rutgers, April 2014
Remedial Action Permit Training, NJDEP, June 2014
GIS Geographic Information Systems, American Institute of Professional Geologists, May 2015
Combining Engineered Contaminant Source Area Treatment Technologies, Rutgers, October 2015
NJDEP Case Studies for LSRP’s, Rutgers, October 2015
Advanced Tools In-Situ Remediation, USEPA, February 2016
Emerging Issues in Brownfields, Rutgers University, November 2019
Ecological Evaluation, Rutgers University, December 2020
Regulatory Training in Underground Storage Tanks, Rutgers, May 2022
Soil and Fill Recycling, LSRPA, July 2022

VOLUNTEER AFFILIATIONS & ACTIVITIES

Delaware Estuary – Board Vice Chair; Finance Committee; Development Committee
Environmental Bankers Association Give Back
Cherry Hill Public Schools Career Day
Westside Youth Wrestling Coach
Charity Fishing Tournaments for Youth Programs and Autism Awareness



KRISTIN M. HEIMBURGER, LSRP
DIRECTOR OF ENVIRONMENTAL CONSULTING

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Director of Environmental Consulting

2015 to Present

Ms. Heimbürger manages complex projects in addition to managing the Environmental Consulting Division. She is responsible for distribution of projects, project coordination and management, budgeting, managing employees and sales/proposals.

Environmental Project Supervisor for TTI Environmental Inc.

2002 to 2015

Ms. Heimbürger provided senior level consulting services for a wide range of industrial, commercial, and residential clients. Consulting service areas included oversight of due diligence projects including Phase I & II Environmental Assessments and management of multi-level environmental investigation/remediation projects at federal facilities, gas stations, and commercial/industrial sites. Ms. Heimbürger's responsibilities specifically included:

- Oversight of New Jersey Site Remediation Program cases including Preliminary Assessments, Site Investigation, Remedial Investigations and Remedial Actions in accordance with the NJDEP's Technical Requirements for Site Remediation and Site Remediation Reform Act (SRRA).
- Management and review of all Phase I/II assessments prepared in accordance with American Society for Testing and Materials (ASTM) standards.
- Field supervision of site investigation activities such as soil, groundwater, vapor, and ecological sampling in accordance with applicable Quality Assurance Project Plans and objectives.
- Management of day care recertification projects performed in accordance with NJDEP.
- Oversight of regulated and unregulated underground storage tank (UST) closures in NY, PA, NJ, DE, MD, & VA.
- Preparation and oversight of site remediation projects, industrial demolitions, and gas station closures in accordance with state requirements.
- Trainer in OSHA refresher courses.
- Preparation of Environmental Health and Safety plans/projects.

PENNSYLVANIA SMALL BUSINESS DEVELOPMENT CENTER'S ENVIRONMENTAL MANAGEMENT ASSISTANCE PROGRAM

Intern

2001 to 2002

Ms. Heimbürger assisted a Regional Environmental Specialist with many environmental consulting projects focusing on energy efficiency. Some of her responsibilities included:

- Site visits to small businesses to investigate problems related to energy inefficiency, air quality, soil quality, water quality, and waste disposal.
- Researched Federal, State, and Local regulations for compliance standards.
- Located financial help for clients seeking greener alternatives.
- Compiled all recommendations and information into confidential reports.



KRISTIN M. HEIMBURGER, LSRP - Continued

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Environmental Science – University of Scranton, May 2002
- NJDEP Case Study Training for LSRPs, February 2014, Rutgers
- Practical Applications of the New Jersey Site Remediation Program, Rutgers, February 2012
- OSHA 40 Hour Hazardous Waste Training, January 2003
- OSHA 10 Hour Construction Safety & Health Outreach Program, February 2011
- EPA/AHERA/Pennsylvania Asbestos Building Inspector, April 2003
- New Jersey Certification No. 236270, UST Closure and Subsurface Evaluation
- New Jersey Licensed Site Remediation Professional (LSRP No. 628897)

PRESENTATIONS

“Careers in Environmental Consulting”, Stockton University, November 2015

“Environmental Lunch and Learn for Lenders” Reliance on Past NFAs, A Case Study, Moorestown Community Center, March 2015

“Environmental Lunch and Learn for Lenders” The New ASTM Standard, Moorestown Community Center, March 2014

“Petroleum Discharges and Mold Contamination” Review and Update of NJDEP Policies Related to Petroleum Discharges, Travelers Insurance Company, Baltimore, MD, July 2007

PROFESSIONAL AFFILIATIONS

- Society of American Military Engineers
- Builders League of South Jersey
- Philadelphia Chamber of Commerce
- Society of Women Environmental Professionals
- Fuel Merchants Association
- Environmental Business Council of New Jersey
- Licensed Site Remediation Professionals Association



ANDREW R. BASEHOAR, LSRP, P.G.
SITE REMEDIATION PROGRAM MANAGER

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Site Remediation Program Manager

2022 to Present

Mr. Basehoar provides senior level consulting services for a wide range of industrial, commercial, and residential clients. Consulting service areas include oversight of due diligence projects including Phase I & II Environmental Assessments and management of multi-level environmental investigation and remediation projects at federal facilities, petroleum distribution facilities, commercial and industrial sites. Mr. Basehoar 's responsibilities specifically include:

- Specialized services in New Jersey and Pennsylvania include Preliminary Assessments, Site Investigation, Remedial Investigations and Remedial Actions in accordance with the NJDEP's Technical Requirements for Site Remediation and Site Remediation Reform Act (SRRA) and PADEP's Land Recycling Program (Act 2).
- Management and review of all Phase I & II assessments prepared in accordance with current ASTM International and Small Business Administration (SBA) standards.
- Technical lead for groundwater fate and transport and hydrogeologic modeling.
- Technical lead for Contaminants of Emerging Concern (PFAS).
- Regulated and unregulated underground storage tank (UST) closures in Pennsylvania, New Jersey, Maryland, Virginia, New Mexico, Kentucky, Washington, Puerto Rico.
- Preparation and oversight of site remediation projects, industrial demolitions, and petroleum distribution facility closures in accordance with state requirements.
- Performance of sales presentations for large-scale clients.

Senior Project Manager

2013 to 2022

Mr. Basehoar provides senior level consulting services for a wide range of industrial, commercial, and residential clients. Consulting service areas include oversight of due diligence projects including Phase I & II Environmental Assessments and management of multi-level environmental investigation and remediation projects at federal facilities, gas stations, and commercial/industrial sites. Mr. Basehoar 's responsibilities specifically include:

- Specialized services in New Jersey and Pennsylvania include Preliminary Assessments, Site Investigation, Remedial Investigations and Remedial Actions in accordance with the NJDEP's Technical Requirements for Site Remediation and Site Remediation Reform Act (SRRA) and PADEP's Land Recycling Program (Act 2).
- Management and review of all Phase I & II assessments prepared in accordance with current Small Business Administration (SBA) and American Society for Testing and Materials (ASTM) standards.
- Field supervision of site investigation activities such as soil, groundwater, vapor, and ecological sampling.
- Experienced in regulated and unregulated underground storage tank (UST) closures in Pennsylvania and New Jersey.
- Preparation and oversight of site remediation projects, industrial demolitions, and gas station closures in accordance with state requirements.
- Performance of sales presentations for large-scale clients.



ANDREW R. BASEHOAR, LSRP, P.G. - Continued

SSM GROUP INC.

Senior Environmental Specialist

2008 to 2013

Mr. Basehoar conducted Phase I and Phase II Environmental Site Assessments, including historic records review, site reconnaissance, soil boring investigations and preparation of reports for state, municipal, and private clients. Mr. Basehoar was involved in all aspects of PADEP Act 2 projects from initial site characterization through final report preparation and submission. Mr. Basehoar coordinated drinking water and process water well installations including well siting through fracture trace analysis, supervision of drilling activities, aquifer testing, and permitting through PADEP, SRBC, and DRBC.

EDUCATION

Bachelor of Science, Environmental Science/Geology – Kutztown University, December 2007

CERTIFICATIONS

- NJ Licensed Site Remediation Professional (LSRP) No. 837642
- Pennsylvania Professional Geologist (PG005181)
- OSHA 40 Hour Hazardous Waste Training, 2012, 8-hour refresher 2022.
- ASTM International Phase I and Phase II Environmental Site Assessment Process Training, 2013
- Permitted Confined Spaces Certification



MATTHEW SCOTT, ENVIRONMENTAL PROFESSIONAL SENIOR PROJECT MANAGER

EXPERIENCE

TTI ENVIRONMENTAL, INC. Senior Project Manager

2023 to Present

Mr. Scott assists in all aspects of Phase I Environmental Assessments, NJDEP Regulatory Cases, Child Care Center and Educational Facility Licensing, site sampling and clean-up of wastes. Mr. Scott's responsibilities include:

- Field screening of soils and sample collection for Site Investigation/Remediation Investigation (SI/RI) projects in accordance with N.J.A.C. 7:26E.
- Sampling of groundwater monitoring wells and reporting of depths of water, conductivity, pH, etc.
- Conducting environmental assessments for real estate transactions, including historical, regulatory, and aerial photograph reviews.
- Preparation of Underground Storage Tanks (UST) Closure Reports.
- Oversight/performance of vapor intrusion evaluations including soil gas & indoor air sampling.

TTI ENVIRONMENTAL, INC. Project Manager

2012 to 2023

- Phase I & II Environmental Assessments
- Field screening of soils and sample collection for SI/RI projects in accordance with N.J.A.C. 7:26E.
- Sampling of groundwater monitoring wells and reporting
- Conducting environmental assessments for real estate transactions, including historical, regulatory, and aerial photograph reviews.
- Preparation of Underground Storage Tanks (UST) Closure Reports.
- Oversight/performance of vapor intrusion evaluations.

LEWIS ENVIRONMENTAL, INC. Field Technician

2011 to 2012

24-hour emergency spill response and clean up, hazardous site remediation, confined space entry work for tank cleanings and removal, contaminated water filtration using Gak units and Adler tanks.

SCOTT ENGINEERING, INC. Land Surveyor

2009 to 2011

Rodman for mortgage surveys, flood certifications, property boundary delineation, topographic surveys, and deed surveys.

EDUCATION

Bachelor of Science, Engineering Technology - University of Delaware, May 2009

CERTIFICATIONS

- OSHA 10-hour Construction Industry Outreach, February 2012
- OSHA 40-hour HAZWOPER Training, September 2011
- Confined Space Awareness, September 2011
- EPA/AHERA/Pennsylvania Asbestos Building Inspector, November 2020
- EPA/HUD/NJ Lead Inspector/Risk Assessor, Housing and Public Buildings, November 2020
- New Jersey Lead Inspector/Risk Assessor #ACC-0223-18-001



DAVID DIPASCALE, LSRP
PROJECT MANAGER

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Project Manager

2022 to Present

Mr. DiPascale provides consulting services for a wide range of industrial, commercial, and residential clients. Consulting service areas include oversight of due diligence projects including Phase I & II Environmental Assessments, and management of multi-level environmental investigation and remediation projects at federal facilities, gas stations, and commercial/industrial sites. Mr. DiPascale's responsibilities include:

- Management and review of all Phase I/II assessments prepared in accordance with current Small Business Administration (SBA) and ASTM International Standards
- Development of proposals, project budget management, invoicing
- Closure of regulated and unregulated underground storage tanks (USTs) in NJ and PA
- Management of due diligence clients
- Services for remediation projects through NJDEP SRRA and PADEP Act 2 cases, including Preliminary Assessment Reports, Site Investigation Reports, Remedial Investigation Reports, Remedial Action Reports, and Site Characterization Reports
- Management of cases and projects to ensure tasks remain within the proposed budget

Environmental Associate II

2014 to 2022

Mr. DiPascale assists in all aspects of Phase I Environmental Assessments, site sampling and clean-up of wastes. Mr. DiPascale's responsibilities include:

- Field screening of soils and sample collection for Site Investigation/Remediation Investigation (SI/RI) projects in accordance with N.J.A.C. 7:26E.
- Sampling of groundwater monitoring wells and reporting of depths of water, conductivity, pH, and others.
- Conducting environmental assessments for real estate transactions, including historical, regulatory, and aerial photograph reviews.
- Preparation of Underground Storage Tanks (UST) Closure Reports.

Intern

2013 to 2014

- Provide assistance with reports for Above Ground Storage Tank Inspections department as well as the Industrial Hygiene department.
- Provide assistance with the company Health and Safety Program to make sure the program was in compliance with OSHA Standards.

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Integrated Science and Technology - James Madison University, May 2014
- OSHA 40-hour HAZWOPER Training, October 2014



ROBERT RUSSELL
PROJECT MANAGER

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Project Manager

2022 to Present

Mr. Russell assists with client outreach, sales, networking, and oversight of projects, along with due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials.

Mr. Russell's responsibilities include:

- Developing proposals and completing the project invoices.
- Providing technical guidance to LSRPs during project planning.
- Oversight of scheduling, report review, and client outreach.
- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional.
- Sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging.

Environmental Associate 2

2021 to 2022

Mr. Russell assists with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials. Mr. Russell's responsibilities include:

- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional.
- Assisting with NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E.
- Assisting with PA Act 2 Site activities and reporting.
- Sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging and collection of immediate analysis parameters including depths to water, conductivity, pH, temperature, turbidity, and others.

ECC HORIZON
Project Scientist

2020 to 2021

- Sampling of groundwater and soil under the direction of senior project managers at residential and commercial properties.
- Assist with chemical injections for the remediation of groundwater.
- Assist in writing data reports communicating findings in the field.
- Operate a Geoprobe 7822 to install temporary well points, monitoring wells, and perform site investigations.



ROBERT RUSSELL - Continued

ERC ENVIRO

Environmental Scientist

2017 to 2020

- Collect potable water samples under PWTa guidelines.
- Assist in Phase 1 and Phase 2 Environmental Site Assessments.
- Oversee the production and sale of MESA 2-D Tank Testing Equipment.
- Write Remedial Action Reports and UHOT System Remediation Forms.

EDUCATION

Bachelor of Arts, Environmental Studies – Stockton University. December 2017

CERTIFICATIONS

- OSHA 40-hour HAZWOPER Training with current 8-hour refresher
- UST Decommissioning License
- ASTM E1527 Standard Practice for Site Assessments: Phase 1 ESA Process
- Management Skills for Supervisors



RENEE MICHALAK
PROJECT SCIENTIST

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Project Scientist

2015 to Present

Ms. Michalak assists in all aspects of Phase I Environmental Assessments, site sampling and state regulated remediations. Ms. Michalak's responsibilities include:

- Field screening of soils and sample collection for Site Investigation/Remediation Investigation (SI/RI) projects in accordance with N.J.A.C. 7:26E.
- Sampling of groundwater monitoring wells and reporting of depths of water, conductivity, pH, etc. Conducting environmental assessments for real estate transactions, including historical, regulatory, and aerial photograph reviews.
- Oversight/performance of vapor intrusion evaluations including soil gas & indoor air sampling.

ARCADIS U.S., INC.
Environmental Scientist 2

2010 to 2015

- Oversight of field activities including monitoring well installations, soil borings, waste disposal activities, and utility clearance.
- Assist in preparing site specific reports and documents for Clients to comply with NJDEP regulations and requirements. Reports include Remedial Investigation Reports, Remedial Action Reports, Workplans, Annual and Semi-Annual Monitoring Reports.
- Organize and analysis of data collected in the field. Generate figures, tables, and reports.
- Collect environmental samples including groundwater, soil, vapor, and surface water.

EDUCATION

Bachelor of Science, Environmental Science - Rutgers University, December 2009

CERTIFICATIONS

- OSHA 10-hour Construction Safety and Health Training, 2011
- OSHA 40-hour HAZWOPER 29 CFR 1910.120((e)), 2009 (refreshed annually)
- Permit Required Confined Space Training, 2011



ALEC HALBRUNER, ENVIRONMENTAL PROFESSIONAL ENVIRONMENTAL ASSOCIATE 2

EXPERIENCE

TTI ENVIRONMENTAL, INC. Environmental Associate 2

2021 to Present

Mr. Halbruner oversees site due diligence and assists with soil and groundwater sampling, and evaluations of sites for potential hazardous materials. In addition to Environmental Associate 1 tasks, Mr. Halbruner's responsibilities include:

- Preparation of Phase I and II Environmental Site Assessments
- PA Act 2 Site activities and reporting
- Oversight of Due Diligence and reporting
- Project Lead of select long-term projects alongside an LSRP
- Review of Phase I's and Phase I proposal development

Environmental Associate 1

2017 to 2021

- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional
- Assisting with NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E.
- Assisting with PA Act 2 Site activities and reporting
- Sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging and collection of immediate analysis parameters including depths to water, conductivity, pH, temperature, turbidity, etc.

SALTMARSH HABITAT AND AVIAN RESEARCH PROGRAM (SHARP) Field Technician

3/2016 to 9/2016

- Used real-time kinetics (RTK) technology to collect elevation data relevant to salt marsh ecological health studies
- Recorded prominence of various marsh plant species using Trimble Geo equipment to collect GPS data
- Assisted in writing data reports communicating findings in the field

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Environmental Science - University of Delaware, December 2015
- OSHA 40-hour HAZWOPER Training, May 2017
- Environmental Professional (EP) Certification



KEVIN CARR
ENVIRONMENTAL ASSOCIATE 2

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Environmental Associate 2

2022 to Present

Mr. Carr assists with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials. In addition to Environmental Associate 1 tasks, Mr. Carr's responsibilities include:

- Preparation of Phase I and II Environmental Site Assessments
- PA Act 2 Site activities and reporting
- Oversight of Due Diligence and reporting
- Project Lead of select long-term projects alongside an LSRP

Environmental Associate 1

2016 to 2022

- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional
- Assisting with NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E
- Assisting with PA Act 2 Site activities and reporting
- Soil and groundwater sampling in accordance with state regulations

STOCKTON UNIVERSITY - Galloway, NJ
Field Geologist

9/2016 to 12/2016

- Used aerial maps to navigate within a field site and a Brunton compass to collect attitude data of exposed bedrock
- Used knowledge of surface geology and exposed outcrops to create assumptions about the study area
- Created diagrams, maps, and cross sections of field areas with reference to collected data, such as strike and dip of bedrock using InkScape and Adobe Illustrator
- Wrote field reports on the study area, which included observations of the field site, collected data, results, and conclusions

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Environmental Science - Stockton University, May 2018
- 40-Hour HAZWOPER Certification, September 2019
- Effective Environmental Field Sampling and Data Collection, October 2021
- Extractable Petroleum Hydrocarbons (EPH) in Soil Technical Guidance Training, May 2022
- Unregulated Heating Oil Tank (UHOT) System Remediation Rules (NJAC 7:26F) Training, May 2022
- Conducting Environmental Due Diligence in New Jersey Training, November 2022



SHIAN KNOUSE
ENVIRONMENTAL ASSOCIATE 1

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Environmental Associate 1

2021 to Present

Ms. Knouse assists with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials. Ms. Knouse's responsibilities include:

- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional.
- Assistance with NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E.
- Assistance with PA Act 2 Site activities and reporting.
- Sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging and collection of immediate analysis parameters including depths to water, conductivity, pH, temperature, turbidity, and others.

EUROFINS LANCASTER LABORATORIES – Leola, PA
GC/MS Analyst

2020 to 2021

- Analyzed client submitted water samples for volatile organic compounds using GC/MS analysis following EPA methodologies.
- Prepared samples and quality control for analysis as well as calibration curves and analytical standards.
- Executed maintenance and basic troubleshooting of laboratory equipment and maintained instrument performance logs.
- Performed complex data review and calculations ensuring completeness and accuracy.
- Ensured client deadlines and sample holds were met in a timely manner.
- Communicated effectively with management and auditors to ensure successful lab completion of projects.
- Ensured all work performance conformed to environmental, health, and safety requirements.

FORT INDIANTOWN GAP – Annville, PA
Field Geologist Internship

6/2019 to 8/2019

- Worked closely with the geologist on base sampling groundwater wells and soils, monitoring streams, using flow meter, considering, and mitigating environmental impacts a military base might present, using GPS and ArcGIS to map and record well locations and water levels as well
- Observed well drilling with Geoprobe methods and interacted with field technicians and consultants from AECOM and Eichelberger's
- Collected water level data using water tape and compiled data workbook in excel to create a groundwater map of the base in ArcGIS
- Assisted with delineation of two wetlands on base and experienced bog turtle surveying as well as a site inspection with the U.S. Fish and Wildlife Service on a proposed cleanup site
- Collected water samples from nine landfill wells on base and sent them to a laboratory for analysis



SHIAN KNOUSE – Continued

- Developed ArcGIS software skills through creating and editing multiple maps of different areas on base
- Utilized stream gauging equipment to determine discharge of three different streams on base multiple times throughout the summer
- Learned about the presence of Per- and Polyfluoroalkyl Substances (PFAS) on base and researched their potential hazards on groundwater

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Earth and Environmental Sciences – Susquehanna University, May 2020
- OSHA 40-Hour HAZWOPER Training, May 2022



KYLE THOMPSON
ENVIRONMENTAL ASSOCIATE 1

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Environmental Associate 1

2021 to Present

Mr. Thompson assists with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials. Mr. Thompson's responsibilities include:

- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional.
- Assisting with NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E.
- Assisting with PA Act 2 Site activities and reporting.
- Sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging and collection of immediate analysis parameters including depths to water, conductivity, pH, temperature, turbidity, and others.

VALLEY FORGE WATERSHED ASSOCIATION – Norristown, PA
Water Quality Scientist Intern

8/2021 to 10/2021

- Collected water quality data on the Schuylkill River in PA and 5 of its most prominent local tributaries near the Norristown Boat Club in PA.
- Used a multiparameter meter, a Secchi disk, and a wide variety of chemical tests to help determine water quality of the waterways included in the study.
- Compiled data and completed statistical analyses to assist in determining long-term water quality measurements/characteristics.
- Helped create a presentation on water quality findings of now and years past to help make a remedial plan of action if necessary to improve local waterways.

HERITAGE CONSERVANCY – Doylestown, PA
Conservation Steward Intern

6/2018 to 8/2018

- Identified plant species (invasive, native, non-native, exotic).
- Removed unwanted, undesired, unhealthy plant species using a wide range of physical and chemical tools based on the abundance and presence of these plant species in their found habitats.
- Planted and cultivated many plant species that were deemed wanted, desired, and healthy with physical methods of introduction to help improve land health for the long-term future of the habitat areas.
- Devised a land management plan on a specific parcel in distress to create an active and immediate plan to bring the parcel area back to vitality to foster healthy habitats for desired plants and animals.

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Environmental Science – Delaware Valley University, December 2021
- OSHA 40-hour HAZWOPER Training, September 2022



LISA WEST
DIVISION SUPPORT MANAGER

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Division Support Manager

2014 to Present

Ms. West supports TTI and the Environmental Consulting Department by helping organize and manage the daily operations of the sector, including:

- Schedule management of due diligence reports
- Expedite bidding, proposals, and awards
- Manage due diligence invoicing
- Standardize processes and documents
- QA/QC outgoing deliverables
- Manage Quire reporting software
- Participate in operational meetings
- Maintain client database
- Technical support

SANTEC – Philadelphia, PA
Executive Administrative Assistant

2007 to 2014

- Managed calendars, travel, and expenses for executives
- Sent out RFQ's and RFP's on behalf of clients, facilitated presentations and vetting of candidates
- Finalized meeting minutes and reports
- Oversaw large project budgets on behalf of clients, generated detailed monthly reports

CERTIFICATIONS

- Quire Systems Administrator & Super User
- MS Office Suite



RYAN COOPER
PROJECT SCIENTIST

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Project Scientist

2022 to Present

Mr. Cooper assists with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials. Mr. Cooper's responsibilities include:

- NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E; assists with PA Act 2 Site activities and reporting
- Soil and groundwater sampling
- Data management including electronic data deliverables and data table development
- Assisting the project team with assigned case tasks, corresponding with subcontractors, and technical reporting

NEW JERSEY DEPARTMENT OF AGRICULTURE
Biological Aid

2020 to 2022

- Assisted with United States Department of Agriculture technicians in the application of chemical pesticide and herbicides to control Spotted Lanternfly (SLF) populations
- Perform land and vegetation surveys to identify evidence of Spotted Lanternfly and damage to agriculture and other vegetation
- Management of priority locations, including scheduling and organizing chemical treatments and physical trap installations

RUTGERS UNIVERSITY
Research Assistant

2018 to 2019

- Collaborate with graduate researchers on Rutgers' strawberry breeding program
- Perform cross-pollination of fruit species to attain highest fruit and plant yield, and best tasting fruit
- Analysis of fruits in greenhouse and in the field to determine best growth conditions before delivery for public use

EDUCATION/CERTIFICATIONS

- Master of Science, Environmental Science – Rutgers University, January 2022
- Bachelor of Science, Environmental Science – Rutgers University, May 2020
- Associate of Science, Arts and Sciences – Rowan College of Gloucester County, May 2017
- Adult First Aid – CRP AED, December 2022



JENNIFER POLIOS
ENVIRONMENTAL ASSOCIATE 1

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Environmental Associate 1

2/2023 to Present

Ms. Polios assists with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials. Ms. Polios' responsibilities include:

- Preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional.
- Assisting with NJDEP Site Remediation Program site activities including Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions in accordance with N.J.A.C. 7:26E.
- Assisting with PA Act 2 Site activities and reporting.
- Sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging and collection of immediate analysis parameters including depths to water, conductivity, pH, temperature, turbidity, and others.

Environmental Intern

5/2022 to 8/2022

- Assisted in the preparation of Phase I and Phase II Environmental Site Assessments under the oversight of an Environmental Professional.
- Assisted in performing various Phase I environmental site inspections.
- Assisted with various site investigations including soil sampling, sampling of groundwater monitoring wells via low flow methodology and/or volume-based purging and collection of immediate analysis parameters including depths to water, conductivity, pH, temperature, turbidity, etc.

EDUCATION/CERTIFICATIONS

- Bachelor of Science, Environmental Science – Stockton University, December 2022



DERRICK ASTUDILLO
ENVIRONMENTAL ASSOCIATE 1

EXPERIENCE

TTI ENVIRONMENTAL, INC.
Environmental Associate 1

May 2023 to Present

- Assist with site due diligence, soil and groundwater sampling, and evaluations of sites for potential hazardous materials.
- Assist with the preparation of Phase I and Phase II Environmental Site Assessments under the direct supervision of an Environmental Professional.
- Assist with Phase II sampling events and Geophysical surveys.
- Conduct environmental site assessments and audits for various clients in accordance with federal and state regulations.
- Prepare and submit reports on environmental assessments, including site assessments, environmental impact assessments, and environmental management plans.
- Conduct research and analysis data to support environmental assessments and regulatory compliance efforts.
- Assist senior staff with proposal writing, project management, and client communication.
- Develop and deliver training sessions on environmental regulations, environmental management systems, and sustainability practices for clients.

EDUCATION & CERTIFICATIONS

Bachelor of Science Biological Sciences – CUNY Hunter 2022

Focus Study, Environmental Sciences – CUNY Hunter 2022

OSHA 40-hour HAZWOPER Training



TIMOTHY POPP

VICE PRESIDENT OF CONSULTING – 36 YRS EXPERIENCE

Timothy Popp, Vice President of Consulting has 30 plus years of experience on a wide variety of property investigations and building science consulting services. Specializing in mold, fire, natural disasters, mercury, Polychlorinated Biphenyls (PCBs), and indoor air quality impacts.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Vice President of Consulting

2015 to Present

Mr. Popp is responsible for evaluation and continued progress of business strategies and development, overseeing financial objectives, operational performance, and personnel management. Mr. Popp continues to focus on client needs, providing technical direction and project supervision.

Senior Project Manager/Director of Environmental Consulting

1998 to 2015

Mr. Popp managed complex projects in addition to managing the Environmental Consulting Division. Mr. Popp was responsible for distribution of projects, project coordination and management, budgeting, managing employees and sales/proposals.

Project Manager

1991 to 1998

Mr. Popp was responsible for management of various projects including Phase I, II & III Environmental Assessments, UST Evaluations and Closure Projects, ISRA Compliance Projects, Asbestos Surveys, and Supervision of Remedial Projects including Soil & Groundwater.

Assistant Project Manager

1990 to 1991

Mr. Popp assisted Environmental Project Managers on all aspects of Phase I/II/III Environmental Assessments, site sampling and clean-up of hazardous wastes. Mr. Popp's responsibilities also included field screening of soils and sample collection for Site Remediation/Remedial Investigation (SI/RI) projects; management of field sampling and health & safety equipment including all related instruments; conducting environmental assessments for real estate transactions, including historical, regulatory and aerial photograph review; sampling of groundwater monitoring wells and reporting of on-site data collected; and scheduling and implementing quarterly and annual sampling events as per NJPDES permit requirements.

NORTHEASTERN ANALYTICAL CORPORATION

Environmental Field Technician

1988 to 1990

Mr. Popp's responsibilities included collecting samples in accordance with ISRA, RCRA and UST Regulations to comply with NJDEP; interacting with various types of clients in performing complicated sampling projects in compliance with NJDEP Regulations; collecting samples of and from streams, sewers, ponds, lakes, lagoons, drums, soil waste piles, post excavation soils of UST, PCB wipes, chip sampling, monitoring wells, sediments, sludges and setting up composite samplers; and participation in numerous stack testing projects.

EDUCATION & CERTIFICATIONS

Chadwick University, B.S. Environmental Studies

OSHA 40hr HAZWOPER

Safety & Health Training - Permit Required Confined Space - 29 CFR 1910.146

EPA Asbestos Building Inspector Certification No. BI1062

Certified Microbial Consultant (CMC)



JAMES GUILARDI

DIRECTOR OF INDUSTRIAL HYGIENE – 25 YRS EXPERIENCE

James Guilardi, Director of Industrial Hygiene has over 25 years of experience in the building sciences industry and specializes in Asbestos, Lead, and Indoor Air Quality consulting. Jim runs the day-to-day field operations schedule and works to place the most experienced staff for the task. Jim has designed complex abatement specifications and works with clients and abatement contractors to complete the tasks within regulation framework.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Director of Industrial Hygiene

2018 to Present

- Responsible for the daily supervision of 15 project managers and technicians.
- Management of clients, supervision, and management of asbestos abatement contractors and air sampling technicians.
- Implementation of department budget, direct sales, monthly invoicing, personnel performance reviews and quality control.
- Develop and maintain internal operating policies and procedures for technical reporting, data collection and assessment protocol.
- Perform technical projects for key clients including asbestos surveys and design, IAQ surveys and sampling, AHERA Management Plans site investigations, emergency response supervision, compliance auditing and mold investigations.

Senior Project Manager

2009 to 2018

- Management of clients, supervision and management of asbestos abatement contractors and air sampling technicians.
- Intermediary between state compliance officials and construction management firms to ensure safe and expeditious work practices regarding asbestos abatement.
- Participation in business development organizations
- Performance of sales presentations for large-scale clients.
- Participation in Environmental Health & Safety projects.
- Perform asbestos abatement design; experienced in building surveys, preparation of abatement specifications, contractor evaluation and on-site monitoring.
- Conduct air asbestos exposure assessments. Tasks include identification of materials and exposure risks as well as mitigation of identified problems via abatement and implementation of employee training programs.

MDG ENVIRONMENTAL, LLC.

Principal/Senior Project Manager

2003 to 2009

- Responsible for planning, implementation, financial control, and administration of Company.
- Reviewed all major proposals, contracts, and reports.
- Conducted asbestos hazard assessment inspections, prepared asbestos remediation specifications, cost estimating and coordination of asbestos remediation projects.
- Performed AHERA inspections and develop and update Asbestos Management Plans.
- Performed initial mold investigations and testing, developed mold remediation work plans and performed final clearance inspections and testing.

EDUCATION & CERTIFICATIONS

New Jersey Asbestos Safety Technician #0026

USEPA Certified Asbestos Building Inspector (ABI)

USEPA Certified Asbestos Management Planner (AMP)

USEPA Certified Asbestos Project Designer

NIOSH 582 Certified

Indoor Air Quality Investigation Training Program

Assessment and Remediation of Microbial Contamination in the Indoor Environment

Certified Microbial Consultant (CMC)

PROFESSIONAL AFFILIATIONS

National Asbestos Council, American Industrial Hygiene Association, Indoor Air Quality Council



MICHAEL KEEHN, SR.

SENIOR PROJECT MANAGER – 25 YRS EXPERIENCE

Michael Keehn, Senior Project Manager has 20 plus years of experience in the building sciences industry and specializes in Asbestos, Lead, and Mold consulting for large complex historical Universities. Mikes knowledge of historical building design and their asbestos building components in unique. Mike has extensive design experience for occupied college buildings.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Senior Project Manager

2018 to Present

- Project Planning, cost estimating, regulatory liaison, and technical supervision.
- Asbestos abatement design. Experienced in building surveys, preparation of abatement specifications, contractor evaluation and on-site monitoring.
- Air asbestos exposure assessments. Identification of materials and exposure risks, mitigation of identified problems via abatement, and implementation of employee training programs.
- Supervises technicians and project scientists on assessment and abatement projects.
- Responsible for project timelines, budget, technical scope, and closeout reporting.
- Performs pre-bid site visits and develops cost estimates for projects.

ATC GROUP SERVICES, LLC.

Senior Project Manager

1999 to 2018

- Supervised the air monitoring and inspection of asbestos removal work areas to assure compliance with technical specifications and safety practices.
- Manage field technicians conducting air sampling in and around abatement areas to determine compliance with applicable OSHA, EPA, and state regulations and standards.
- Consult with clients/owners and the contractor regarding proper abatement procedures and coordination of abatement in proposed phases.
- Conduct inspections of buildings and collects bulk samples to determine the presence of asbestos-containing material in order to prepare asbestos abatement contract documents, project plans and specifications.
- Familiar with various analytical methods (PCM, TEM, PLM) for asbestos evaluation, applicable OSHA and EPA regulations as well as New Jersey Subchapter 8, City of Philadelphia Chapter 6-600 and federal AHERA regulations.

EDUCATION & CERTIFICATIONS

Camden County College, Engineering
Lincoln Technical Institute, Mechanical Drafting
New Jersey Asbestos Safety Technician, #00093
Certified AHERA Building Inspector
Certified AHERA Management Planner
Certified AHERA Asbestos Project Designer
City of Philadelphia, Asbestos Project Inspector & Investigator
Pennsylvania Asbestos Building Inspector, Management Planner and Designer



KRISTOPHER SMITH

PROJECT MANAGER – 18 YRS EXPERIENCE

Kristopher Smith, Project Manager has over 15 years of experience in the building sciences industry and specializes in Asbestos & Lead consulting for Verizon in the NYC region. Kris has extensive knowledge about the Verizon operations and insight to the specific nuances of the program.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Project Manager

2014 to Present

- Project Planning, cost estimating, regulatory liaison, and technical supervision.
- Asbestos abatement design. Experienced in building surveys, preparation of abatement specifications, contractor evaluation and on-site monitoring.
- Intermediary between state compliance officials and construction management firms to insure safe and expeditious work practices regarding asbestos abatement.
- Air asbestos exposure assessments. Tasks include identification of materials and exposure risks as well as mitigation of identified problems via abatement and implementation of employee training programs.
- Participation in business development organizations
- Supervises technicians and project scientists on assessment and abatement projects. Responsible for project timelines, budget, technical scope, and closeout reporting.
- Performs pre-bid site visits and develops cost estimates for projects.
- Asbestos Building Inspections
- Lead Based Paint Evaluations
- Mold Assessments and Inspections

ENVOY ENVIRONMENTAL

Asbestos Technician

2006 to 2014

Mr. Smith supervised asbestos abatement contractors to ensure specification and regulatory compliance. He conducted abatement air monitoring, pre-commencement, and certificate of occupancy inspections in asbestos abatement work areas. Mr. Smith performed building inspections for the presence of asbestos and lead paint and performed PCM analysis on-site.

EDUCATION & CERTIFICATIONS

EPA/AHERA – Asbestos Building Inspector, Project Monitor & Project Designer

EPA Lead-Based Paint Activities Certification

New Jersey Department of Health & Senior Services Lead Inspector/Risk Assessor

New Jersey Department of Community Affairs Asbestos Safety Technician

New York City Department of Environmental Protection Asbestos Investigator

New York State Mold Assessor

New York State Asbestos Technician, Building Inspector, Project Monitor & Project Designer

NIOSH 582 Certification



SCOTT MAGEE

SENIOR PROJECT MANAGER – 26 YRS EXPERIENCE

Scott Magee, Project Manager has over 25 years of experience in the building sciences industry and specializes in Asbestos, Lead and Mold consulting. Scott currently manages a large EPA building water infrastructure project for 90 plus building portfolio which involves asbestos, lead, and PCBs.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Project Manager

2017 to Present

- Project Planning, cost estimating, regulatory liaison, and technical supervision.
- Asbestos abatement design. Experienced in building surveys, preparation of abatement specifications, contractor evaluation and on-site monitoring.
- Air asbestos exposure assessments. Identification of materials and exposure risks, mitigation of identified problems via abatement, and implementation of employee training programs.
- Perform technical projects for key clients. Projects include asbestos surveys and design, IAQ surveys and sampling, AHERA Management Plans site investigations, emergency response supervision, compliance auditing and mold investigations.
- Supervises technicians and project scientists on assessment and abatement projects. Responsible for project timelines, budget, technical scope, and closeout reporting.
- Performs pre-bid site visits and develops cost estimates for projects.

ACER ASSOCIATES

Project Manager

1998 to 2017

- Responsible for planning, implementation, financial control, and administration of company.
- Reviewed all major proposals, contracts, and reports.
- Conducted asbestos hazard assessment inspections, prepared asbestos remediation specifications, cost estimating and coordination of asbestos remediation projects.
- Performed AHERA inspections and develop and update Asbestos Management Plans.
- Performed initial mold investigations and testing, developed mold remediation work plans, and performed final clearance inspections and testing.

EDUCATION & CERTIFICATIONS

Camden County College Construction Manager Certificate
Technical Institute of Camden County Commercial Graphic Design Certification
New Jersey Asbestos Safety Technician, #01416
AHERA Building Inspector ACC-0923-6-025
AHERA Management Planner ACC-0923-8-007
NJDOH Lead Inspector/Risk Assessor #79001059
Council Certified Indoor Environmentalist (CIE)
OSHA HAZWOPER
State of FL Licensed Mold Assessor #MRSA2865
Certified Management Certificate



ERIC COLE

ASSISTANT PROJECT MANAGER – 3 YRS EXPERIENCE

Eric Cole, Assistant Project Manager, initially was hired as an Industrial Hygiene Field Technician. He specializes in supervising and conducting complex initial hazardous material surveys, as well as monitoring large asbestos abatement projects.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Assistant Project Manager - Industrial Hygiene Division

2022 to Present

- Assist project managers in designing for abatement projects for various renovation and demolition projects.
- Interacts with clients to set up field inspections, answer questions regarding the projects and provide updates as needed.
- Performs Complex Hazardous Building Surveys of asbestos, lead, PCM and universal waste by directing, organizing and managing the project scientists in the field.
- Assisting Project Managers by keeping track of project timelines, budget, and closeout reporting.
- Provides support and training of technician staff.

TTI ENVIRONMENTAL, INC.

Field Technician - Industrial Hygiene Division

2021 to 2022

- Conducted air monitoring for Subchapter 8 as a licensed Asbestos Safety Technician, observed and inspect the asbestos abatement contractor's work practices to ensure compliance with all New Jersey regulations.
- Conducted visual inspection for suspect asbestos containing materials, then assessed for friability and evidence of damage or degradation.
- As a Certified Building Inspector, conducted a re-inspection or new inspection, of all friable and non-friable known or assumed Asbestos Containing Building Materials within each assigned facility.
- Assisted with mold and water intrusion surveys by conducting air samples, physical swab samples and by utilizing indoor air quality instruments to determine impact.
- Conducted Hazardous Material Surveys of asbestos, lead, mercury and PCB.

B&B ENVIRONMENTAL, INC.

Field Technician

2021 to 2021

- Assisted in the installation and removal of aboveground and underground storage tanks.
- Used various hand and power tools to cut, clean, and remove heating oil tanks on residential properties.
- Provided remedial services for ground water and soil.
- Assisted in wastewater filtration using carbon filters and vacuum assist pumps.

EDUCATION & CERTIFICATIONS

Bachelor of Arts Environmental and Sustainability Studies
City of Philadelphia, Asbestos Project Inspector
New Jersey Asbestos Safety Technician (AST #01427)
New Jersey Lead Inspector/Risk Assessor #038404
Pennsylvania Asbestos Building Inspector
Certified EPA/AHERA Asbestos Building Inspector



MARY ELLEN LEOTTA

SENIOR INDUSTRIAL HYGIENE FIELD TECHNICIAN – 25 YRS EXPERIENCE

Mary Ellen Leotta, Senior Industrial Hygiene Field Technician has 20 plus years of experience as an Asbestos and Lead project monitor ensuring compliance with the design specifications and performance of clearance sample collection and on-site analysis via PCM.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Senior Field Technician

2007 to Present

- Experienced in building surveys, preparation of abatement specifications, contractor evaluation and on-site monitoring.
- Conduct air asbestos exposure assessments. Tasks include identification of materials and exposure risks as well as mitigation of identified problems via abatement and implementation of employee training programs.

AET ENVIRONMENTAL, INC.

Building Inspector

1999 to 2007

- Analyzed background inspection data for hazardous assessment and prioritizing; selected control responses and conducted three-year AHERA building inspections.
- Supervised workers and various remediation projects and six-month surveillance inspections in which he located, identified, and quantified asbestos containing materials, and performed physical assessment and classification of material.
- Conducted AHERA 3-year reinspections and 6-month surveillance for the Philadelphia School District.

EDUCATION & CERTIFICATIONS

AIHA Asbestos Analyst Registry (AAR) #6029

New Jersey Department of Community Affairs – Asbestos Safety Technician #01273

Certified EPA/AHERA – Asbestos Building Inspector

City of Philadelphia – Asbestos Project Inspector #901-3073

NIOSH 582

Archbishop Ryan High School



NATHANAEL ROBERTS

ASSISTANT PROJECT MANAGER – 8 YRS EXPERIENCE

Nathanael Roberts, Assistant Project Manager has 8 years of experience in performing on site project monitoring and assists in the organization of large complex sampling programs for multiple large portfolios.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Assistant Project Manager

2019 to Present

- On-site air monitoring, on-site PCM analysis and supervising of Abatement Projects.
- Sampling asbestos, lead and other hazardous material prior to renovation or demolition projects.
- Indoor Air Quality Surveys.
- Asbestos Building Inspections.
- Lead Based Paint Evaluations.
- Responsible for lead in drinking water assessment projects, their timelines, budget, and closeout reporting

GEOGRAPHIC SERVICES, INC.

Environmental Professional/Project Manager

2016 to 2019

- Prepare and review Phase I & II ESAs for NJ, CA, DE, PA, NY, VA, MD, FL, NC & SC.
- Prepare and manage LSRP remediation projects under supervision of Professional Geologist and Licensed Site Remediation Professional.
- Develop SOW and prepare proposals for Phase I, II, LSRP and UHOT projects.
- Train new employees.
- Phase I & II ESA Template author.

Environmental Scientist

2006 to 2016

- Prepare and coordinate Phase I's, Phase II's, and remediation under the supervision of a Professional Geologist and LSRP.
- Field technician - assist in soil/groundwater sampling.

CRYSTAL R&P

Field Technician

2004 to 2005

- Prepare and coordinate Phase I's, Phase II's, and remediation under the supervision of a P.G.
- Field technician - assist in soil/groundwater sampling

ARMY CORP OF ENGINEERS

1999 to 2003

Combat Engineer (12-B). Decorations: Iraq Campaign Medal, Army Overseas Service Specialist (E-4) Ribbon (Germany, Iraq), Army Service Ribbon, Global War on Terrorism Medal (Service and Expeditionary), National Defense Service Medal, Army Lapel Button.

EDUCATION & CERTIFICATIONS

City of Philadelphia, Asbestos Project Inspector

Certified EPA/AHERA – Asbestos Building Inspector

OSHA 40-Hour - Health and Safety for Hazardous Waste Site Investigation Personnel, September 1990

New Jersey Asbestos Safety Technician (AST# 01428)

NIOSH 582 Equivalent

AIHA Asbestos Analysts Registry - Registered Analyst (AAR# 295571)



RATI KUTALADZE

INDUSTRIAL HYGIENE FIELD TECHNICIAN – 8 YRS EXPERIENCE

Rati Kutaladze, Industrial Hygiene Field Technician has 8 years of experience in the building sciences industry and specializes in Asbestos & Lead project monitoring for Verizon in the NYC region. Rati has been a project monitor on numerous, large scale, Verizon abatement projects.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Industrial Hygiene Field Technician

2022 to Present

- On-site asbestos air monitoring and supervising of non-friable Asbestos Abatement Projects.
- On-site lead stabilization monitoring.
- Asbestos Building inspections and sampling surveys.
- Lead Based Paint visual and sampling surveys.

AIM ENVIRONMENTAL – Edgewater, NJ

Project Monitor

2017 to 2022

- On-site asbestos air monitoring.
- Supervision of asbestos abatement projects.
- Indoor air quality surveys.

CORE ENVIRONMENTAL CONSULTANTS, INC. – Queens County, NY

Project Monitor

2017 to 2022

- On-site asbestos air monitoring.
- Supervision of asbestos abatement projects.
- Indoor air quality surveys.

ALC ENVIRONMENTAL – New York, NY

Project Monitor

2016 to 2021

- On-site asbestos air monitoring.
- Supervision of asbestos abatement projects.
- Indoor air quality surveys.

ATHENICA ENVIRONMENTAL SERVICES, INC. – Sunnyside, NY

Project Monitor

2016 to 2019

- On-site asbestos air monitoring.

EMS ENVIRONMENTAL – Queens, NY

Project Monitor

2016 to 2018

- On-site asbestos air monitoring.

ACE ENVIRONMENTAL SERVICES – Newark, NJ

Project Monitor

2/2018 to 12/2018

- On-site asbestos air monitoring.

EDUCATION & CERTIFICATIONS

Kingsborough Community College, A.A. Liberal Arts

Certified AHERA Building Inspector

New York State Asbestos Technician, Building Inspector, Project Monitor

16 Hours Suspended Scaffold

4 Hours Supported Scaffold

10 Hours OSHA



MARY McFARLAND

INDUSTRIAL HYGIENE FIELD TECHNICIAN – 5 YRS EXPERIENCE

Mary McFarland, Industrial Hygiene Field Technician has 5 years of experience in the building sciences laboratory performing and managing complex sampling programs.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Industrial Hygiene Field Technician

2022 to Present

- On-site air monitoring, on-site PCM analysis and supervising of Abatement Projects.
- Sampling asbestos, lead and other hazardous material prior to renovation or demolition projects.
- Assisted mold inspections and indoor air quality evaluations.

EMSL ANALYTICAL

Transmission Electronic Microscope Analyst

2019 to 2022

- Special Projects analyst
- Operates and calibrates large equipment
- Worked fast and accurately to meet turnaround times
- Communicated effectively with other labs to finish projects

EDUCATION & CERTIFICATIONS

Temple University, Geology B.Sc.
Certified AHERA Building Inspector
City of Philadelphia Asbestos Project Inspector
Environmental Professional Training Certificate
New Jersey Asbestos Worker/Supervisor
New Jersey Asbestos Safety Technician
New Jersey Lead Inspector/Risk Assessor
Pennsylvania Asbestos Building Inspector



ALEXANDER EMMERT

INDUSTRIAL HYGIENE FIELD TECHNICIAN – 6 YRS EXPERIENCE

Alexander Emmert, Industrial Hygiene Field Technician, has 6 years of experience in handling hazardous waste cleanup and has 2 years as an Asbestos inspector and project monitor ensuring compliance with the design specifications and performance of clearance sample collection and on site analysis via PCM.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Field Technician

2018 to Present

- Asbestos abatement and demolition site management.
- Experienced in building surveys, preparation of abatement specifications, contractor evaluation and on-site monitoring.
- Indoor Air Quality surveys.
- Conduct air asbestos exposure assessments, including identification of materials and exposure risks, mitigation of identified problems via abatement, and implementation of employee training programs.
- Mold inspections and testing.

CLEAN HARBORS, LOGAN TWP, NJ

Field Technician III

2019 to 2023

- Work on site with clients and complete site-specific training
- Chemical storage, handling, and transport
- Tank cleanings, digs, trenching, hazardous material clean ups
- Respond to varying types of environmental emergencies

EDUCATION & CERTIFICATIONS

Rowan College at Burlington County, Mount Laurel, NJ, Pursing Degree in Applied Science, Chemical Engineering
Certified AHERA Asbestos Building Inspector
City of Philadelphia Asbestos Project Inspector
New Jersey Asbestos Safety Technician
OSHA 40 Hour Certification
HAZWOPER Certification



CODY SCHULTZ

INDUSTRIAL HYGIENE FIELD TECHNICIAN – 10 YRS EXPERIENCE

Cody Schultz has recently joined TTI from the US Coast Guard where he inspected fixed marine fueling terminals for compliance with the regulations and has recently received his Asbestos building inspector certification.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Field Technician

2023 to Present

- Monitor sites during asbestos removal
- Perform visual inspections during asbestos removal
- Air sampling for worker safety and clearance
- Aid with mold inspections

UNITED STATES COAST GUARD, BATON ROUGE, LA

Marine Science Technician

2017 to 2020

- Incident Command System (ICS) – Situation Unit Leader: Collected, processed, organized, and disseminated incident information relating to status of current operations, incident growth, mitigation and intelligence activities taking place. Conducted situation briefings to command system staff and generated reports pertaining to over 100 separate critical infrastructure elements,
- Waterfront Facility Inspector & Coordinator– Team Lead: Led and participated in over 250 waterfront facilities' safety & security investigations, including oil and chemical refineries, natural gas facilities in one of the nation's largest ports. Managed intricate scheduling program for all waterfront and mobile facilities ensuring compliance with federal and international laws and regulations. Handled and stored sensitive security information including facility security plans, facility vulnerabilities and emergency procedures.
- Pollution Investigator & Responder: Conducted thorough investigation of over 100 pollution incidents using relevant federal laws and regulations while handling storage of physical evidence and conducting interviews to determine responsibility. Supervised environmental response groups in safe work practices in accordance with OSHA regulations. Reviewed and approved in accordance with 33CFR154 facility response plans for over 50 bulk oil and hazardous material facilities.

UNITED STATES COAST GUARD, YORKTOWN, PA

Boat Mechanic

2014 to 2017

- Conducted routine and emergency maintenance on 18 response vessels to ensure unit readiness.
- Oversaw proper implementation of internal systems used to distribute and retrieve all facility equipment.
- Responsible for all general upkeep of the facility including but not limited to, maintaining outdoor grounds, plumbing repair, and general electric repairs while also scheduling contracted vendors for larger requests.

EDUCATION & CERTIFICATIONS

Temple University, Philadelphia PA, Pursuing B.Sc., Environmental Engineering

Certified AHERA Asbestos Building Inspector

Petroleum Reclamation Certification

Environmental Regulatory Compliance Certification

New Jersey Asbestos Safety Technician

Pennsylvania Asbestos Building Inspector



MARK SHUTS

INDUSTRIAL HYGIENE FIELD TECHNICIAN – 6 YRS EXPERIENCE

Mark Shuts has recently joined TTI and previously worked as laboratory Asbestos analyst for 2 years where he performed prep and sample analysis via a TEM microscope. Mark recently received his Asbestos building inspector certification.

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Field Technician

2023 to Present

- On-site asbestos air monitoring and supervising of non-friable Asbestos Abatement Projects.
- Indoor Air Quality Surveys.
- Asbestos Building Inspections.
- Lead Based Paint Evaluations.
- Lead in Drinking Water Testing.

EMSL ANALYTICAL, INC.

Laboratory Analyst I

2022 to 2023

- TEM analyst for EMSL's asbestos division. Completed analysis and reporting of asbestos in air, water, and building materials under EPA guidelines. Regular calibration and general upkeep of electron microscopes.

PLM Analyst II

2019 to 2022

- PLM analyst for EMSL's asbestos division. Completed analysis and reporting of asbestos in building materials under EPA guidelines.

Asbestos Technician

2018 to 2019

- Air, water, bulk, and soil technician responsible for the preparation of samples for PCM, PLM, and TEM analysis. Prep methods for air, bulk, water, and soil samples. Training of new and existing employees in air and bulk methods.

EDUCATION & CERTIFICATIONS

Rutgers University, Camden, NJ, B.A., General Science
Certified AHERA Asbestos Building Inspector
Pennsylvania Asbestos Building Inspector
City of Philadelphia Asbestos Project Inspector



RICHARD CLAYTON
TECHNICAL ADMINISTRATOR

EXPERIENCE

TTI ENVIRONMENTAL, INC.

Technical Administrator – Industrial Hygiene Division

2022 to Present

- Hazardous Materials Building inspection reports for Lead-Based Paint, Asbestos-Containing Material, mold, and PCBs.
- AHERA six month and three-year inspection report preparation.
- Asbestos and lead abatement project reports, air monitoring and laboratory projects reports preparation.
- Review of all project reports, ensuring the reliability of all analytical results and compliance with existing city, state, and federal regulations as they apply to each project.
- Apply database and spreadsheet skills in the development of computerized report applications, as well as automated documentation of analytical results.
- Prepare project awards using the department project cost calculator. Enter awarded project data into tracking system.
- Renew department and personal professional certifications. In addition, prepare quarterly report statements to maintain NJ state certifications for asbestos and lead.

Project Coordinator – Inspections Department

2012 to 2021

- Prepare requisitions for field supplies, job materials, rental equipment, and subcontractors.
- Developed and maintained department certification expiration date tracker, as well as API and CWI continuing education hours monitoring plus calibration certificate renewals.
- Completed monthly PPE inventory. Re-ordered supplies, as necessary.
- Prepared Project Award Notices alerting accounting, marketing, and department that a new project has been awarded.
- Created Inspections Department project tracking database.
- Utilized the Report Due Dates Calendar to establish workflow and personnel priorities.
- Uploaded inspection field data to SharePoint for distribution to report drafters.
- Delivered reports to clients via OneDrive created links.

Project Coordinator – Industrial Hygiene Department

1996 to 2011

- Building inspection reports for Lead-Based Paint and/or Asbestos-Containing Material.
- Asbestos and lead abatement project reports, air monitoring and laboratory projects reports preparation.
- Final review of all project reports, ensuring the reliability of all analytical results and compliance with existing city, state, and federal regulations as they apply to each project.
- Applying database, spreadsheet, graphic and CAD skills in the development of computerized report applications, invoice, labor, and revenue tracking systems, as well as automated documentation of analytical results.
- On-site support of the Environmental Coordinator for the South Jersey District of the United States Postal Service. Some of the projects include energy conservation project development, environmental assessment database development, remediation project development (asbestos, lead, and underground storage tank) and regulatory compliance research.

EDUCATION & CERTIFICATIONS

Bachelor of Science, Energy Engineering Technology, Spring Garden College, Philadelphia, PA
USPS 2-hour Asbestos and Lead Awareness Training for the South Jersey District
TTI Safety Committee Member



MARK K. SCHLÄGER, M.S., CIH

EDUCATION:

M.S. Toxicology, 1984, Department of Chemistry, Old Dominion University, Norfolk, Virginia

Thesis: "The Effects of Tri-o-cresyl Phosphate on 2', 3'-cyclic nucleotide-3'-phosphohydrolase Activity in Neural and Non-neural Tissues of the Rat" (the effects of a pesticide-type compound on an enzyme that is an indicator of nerve damage)

B.S. Biology, 1979, Pennsylvania State University, University Park, Pennsylvania

PROFESSIONAL EXPERIENCE:

Access Training Services, Inc., Merchantville, NJ

President (12/94-Present). Responsible for the development and coordination of programs, as well as quality assurance and technical reviews. Mr. Schläger provides instruction for a variety of courses listed below. He is approved to teach the asbestos contractor, supervisor, inspector, management planner, project design and worker courses by the US EPA, the States of New Jersey, New York, and Delaware, as well as the Commonwealth of Pennsylvania. He is also approved to teach the majority of the corresponding lead based paint programs in similar jurisdictions. He has taught asbestos and lead programs as adjunct faculty of Drexel University, Temple University, Allegheny University of the Health Sciences, and University City Science Center. He provides mold worker, inspector and supervisor programs, hazard communication, HAZWOPER, and hazardous materials as well as approximately 100 other OSHA-required safety programs. As a CIH, Mr. Schläger prepares or reviews safety programs, Health and Safety Plans (HASP's), sampling plans, and Hazard Abatement Plans for lead, asbestos, mold, indoor air quality and various hazardous materials. He also provides expert witness consultation, depositions, and testimony preparation for asbestos, lead-based paint, mold and indoor air quality cases in NJ, PA, and NY.

Probe Environmental, Inc., Mount Laurel, NJ

President (12/93-12/94), Vice President (2/86-12/93). Responsible for the supervision of all operations, project coordination, quality assurance, environmental technicians and technical reviews. Supervised AST's and performed project management duties on private and public sector asbestos abatement projects to confirm compliance with applicable regulations in New Jersey and regional states. Also responsible for all environmental site assessment, health and safety, industrial hygiene, risk assessment, and toxicological evaluation programs. Mr. Schläger provided clients with instructional coordination and training seminars on topics including indoor air quality, mold, hazard communication, right-to-know, lead awareness, emergency procedures, site safety and contingency plans.

Duall Maintenance, Inc., Maple Shade, NJ

Director of Safety/Industrial Hygienist (1985-1986). Supervised abatement supervisors and their crews in public and private sector job to ensure work practices and other techniques were in compliance with applicable regulations in New Jersey and adjacent states. Trained safety and testing technicians on asbestos abatement projects. Corresponded with local, state and federal regulatory agencies regarding compliance issues and coordinated the company quality control program.

Interscience Research, Inc., Norfolk, VA

Industrial Hygienist/Chemist (1984-1985). Supervised asbestos abatement activities, air monitoring programs, asbestos hazard assessment, and the inspection and sampling of facilities for the presence of friable asbestos containing materials.

Applied Marine Research Lab, Inc., Norfolk, VA

Environmental Chemist (1982-1984). Worked on the Marine Pollution Program involving sampling, extraction and analysis of sediment, water and tissue from fresh and salt water environments for the presence of pesticides, herbicides, polynuclear aromatic hydrocarbons (PAHs) and polychlorinated biphenyl's (PCBs).

Department of Chemistry, Old Dominion University, Norfolk, VA

Teaching Assistant (1980-1982). Taught General Chemistry lecture, recitation and laboratory for Science and Engineering majors. Prepared lesson plans, laboratory experiments, quizzes, and examinations.



MARK K. SCHLÄGER, M.S., CIH

EXPERIENCE (cont'd):

INSTRUCTIONAL EXPERIENCE -- MAJOR COURSES:

- EPA AHERA Worker & Supervisor Courses
- EPA AHERA Building Inspector
- EPA AHERA Management Planner
- EPA AHERA Project Designer
- EPA AHERA Operations and Maintenance (16 hour)
- EPA AHERA Awareness (2 hour)
- OSHA Hazardous Waste Operations & Emergency Response Worker & Supervisor
- OSHA Hazard Communication/New Jersey Right-To-Know
- OSHA Bloodborne Pathogens
- OSHA Lock-out Tag-out
- OSHA Confined Space Entry
- NIOSH 582 Course
- Lead-Safe Work Practices
- Lead-based Paint Worker
- Lead-based Paint Supervisor
- Lead-based Paint Inspector/Risk Assessor
- Lead-based Paint Awareness - Contractor (OSHA compliance)
- Mold Worker, Inspector and Supervisor programs
- OSHA Respiratory Protection
- OSHA Asbestos Class I, II, III, IV, Competent Person and Awareness
- OSHA Fall Protection and other OSHA compliance programs
- EPA RCRA Training -- PPC, Emergency Action Plans, Spill Contingency Plans

INSTRUCTIONAL EXPERIENCE -- SEMINARS

- Asbestos Awareness - Building Owners/Managers
- Asbestos Awareness - Renovation Contractor Workers
- Asbestos Regulatory Review - Process Chemical Industry
- Lead in Water - EPA Regulation Overview
- Indoor Air Quality Awareness

CERTIFICATIONS:

- Board Certified, Comprehensive Practice, American Board of Industrial Hygiene, Number 5024
- Certified Environmental Trainer (CET), National Environmental Training Association (lapsed)
- Train-the-Trainer Course, National Environmental Training Association (32 hour)
- OSHA 501 Train-the-Trainer Course for General Industry Outreach Programs
- OSHA HAZWOPER 40 Hour Worker and Supervisor Upgrade
- SSPC C-3 Lead Competent Person Program
- Lead-Based Paint (LBP) Inspector Course (24 hour)
- EPA Model LBP Inspector/Technician Course (24 Hour) - Target Housing & Pub./Comm. Bldg.
- EPA AHERA Supervisor Course
- EPA AHERA Building Inspector Course
- EPA AHERA Management Planner Course
- NIOSH 582 - Airborne Asbestos Sampling and Evaluation Techniques
- DuPont PINS/OSHA Safety Course (16 hour)
- OSHA 10 Hour Outreach for Construction Industry

AFFILIATION & MEMBERSHIPS:

- American Academy of Industrial Hygiene
- American Industrial Hygiene Association
- National Environmental, Safety, and Health Training Association
- Steel Structures Painting Council
- Utility and Transportation Contractors Association of New Jersey
- Association of General Contractors
- National Association of Remodeling Contractors