

ORIGINAL

PROPOSAL FOR  
PROFESSIONAL SERVICES:  
#02 - ENGINEERING SERVICES - SOLID WASTE  
CONTRACT TERM FEBRUARY 10, 2026 TO FEBRUARY 10, 2027

Professional Engineering • Planning Services • Environmental • Construction Services • Land Surveying • Landscape Architecture



PRESENTED TO: MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY  
SUBMITTED BY: CME ASSOCIATES  
1 TOWER CENTER BLVD., 20TH FLOOR  
EAST BRUNSWICK, NJ 08816  
JANUARY 16, 2026



We are pleased to share exciting news about the future of our organization and what it means for you. Next year, **Consulting Municipal Engineers (CME)**, **Naik Consulting Group (Naik)**, and **Churchill Consulting Engineers (Churchill)** will begin combining our operations under an operating entity called, **Artheon, Inc. (Artheon)**. This combination allows the companies to provide consolidated and enhanced services across New York and New Jersey.

### **What This Means for You**

- Your projects, teams, and points of contact will remain the same.
- The quality and responsiveness you expect will continue without disruption.
- CME will remain a legal entity in the interim as we gradually complete contractual transitions, but all employees are expected to officially become part of Artheon on January 1, 2026.
- The completion of the combinations will provide a deeper pool of resources and more expertise.

Throughout this transition, we will work closely with you to ensure every contract, communication, and collaboration proceeds smoothly.



**Artheon** is more than just a name; it reflects who we are and where we are headed. Rooted in “Art” and “Theon” (meaning *Strength and Form*), Artheon embodies the balance of thoughtful design and enduring strength — *the art and science of building the systems that move people, connect communities, and sustain the future.*

This combination represents the natural evolution of three firms with shared values, complementary expertise, and a collective commitment to improving the communities we serve. Together, we bring deeper resources, broader capabilities, and expanded geographic reach — while preserving the same trusted relationships and high-quality service you come to rely on.

### **Our Mission**

At Artheon, our mission remains steadfast:

*Deliver transformative infrastructure solutions that strengthen communities, drive sustainable growth, and accelerate our people's careers — combining local knowledge with national expertise.*

Thank you for your continued trust and partnership. We are proud to carry forward the legacy of CME, Naik, and Churchill into this next chapter as **Artheon** — *built on legacy, driven by purpose.*

## Cover Letter

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**Consulting & Municipal  
ENGINEERS**

1 Tower Center Blvd., 20th Floor  
East Brunswick, NJ 08816  
732.727.8000 ☎  
[www.cmeusa1.com](http://www.cmeusa1.com) 🌐

January 16, 2026

Attn: Larry Gindoff, Executive Director  
Morris County Municipal Utilities Authority  
370 Richard Mine Road  
Wharton, New Jersey , 07885

**Re: Proposal for Professional Services: #02 – Engineering Services – Solid Waste Division**

Dear Mr. Gindoff:

CME Associates is pleased to submit for your consideration this Proposal for Professional Services for the provision of Engineering Services – Solid Waste Division for the Morris County Municipal Utilities Authority (MCMUA). CME is pleased to provide the MCMUA with one (1) original copy of the Proposal. Forms are provided in **Section 6**.

**BRIEF INTRODUCTION TO CME ASSOCIATES**

CME Associates is a multi-disciplined consulting engineering firm dedicated to providing a high quality of professional Engineering and Environmental services. CME Associates provides a complete range of services that would serve to be instrumental in fulfilling the MCMUA's required Engineering Services in a cost-effective and timely manner.

CME Associates presently has a total staff of over 600 people in its nine (9) offices in New Jersey and New York (East Brunswick, Barnegat, Berlin, Camden, Cape May Courthouse, Edison, Howell, Parlin, and New York City). The Engineering Services for the MCMUA will be primarily provided by the East Brunswick office; contact information is provided below:

Behram Turan, P.E., LSRP  
Senior Vice President

CME Associates  
1 Tower Center Boulevard, 20<sup>th</sup> Floor  
East Brunswick, NJ 08816  
Email: [bturan@cmeusa1.com](mailto:bturan@cmeusa1.com)  
Telephone: (732) 951-2101  
Fax: (732) 951-2106

Additional information is provided in **Section 1**.





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Morris County Municipal Utilities Authority

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Re: **Proposal for Professional Services: #02 – Engineering Services – Solid Waste Division**

### **PROJECT UNDERSTANDING & APPROACH**

CME Associates understands that the Morris County Board of Chosen Freeholders has designated the MCMUA to be the implementing agency for the Morris County Solid Waste Management Plan. As such, the MCMUA provides operations such as solid waste disposal at its transfer stations to the hauling community, curbside recycling collection to municipalities, and additional solid waste management services to the residents and businesses of Morris County.

CME is prepared to provide solid waste engineering services to the MCMUA including, but not limited to, the following:

- Solid Waste projects
- Transfer Station permitting
- Engineering design and construction
- Household Hazardous Waste Facility design and construction

A more detailed Scope of Services is provided in **Section 2**.

### **SOLID WASTE EXPERIENCE**

The has specialized expertise in landfill design, operations, closure, post-closure care and monitoring, and extensive working experience with the NJDEP, USEPA and ACOE on permitting, compliance, and other regulatory concerns. CME has successfully provided similar services at various landfills in New Jersey. The following demonstrates some of CME's most recent solid waste engineering consulting and permitting experience similar to the services requested by the Authority:

1. *Cumberland County Solid Waste Complex, Deerfield Twp., Cumberland County, New Jersey*

CME has been serving The Authority as the **Solid Waste Engineer** for the Cumberland County Landfill since 2016. CME provides defined and on-call Services to The Authority. To date, CME has assisted The Authority by performing the following services: i) Annual Topographic Survey Report, ii) Annual Engineering Report, iii) Annual Inspection Report, iv) Statistical analyses associated with Groundwater Detection Monitoring Program, v) Statistical analyses associated with NJPDES permit for storm water basin recharge, vi) Design of stormwater management system including additional detention basins, vii) Design of a new infiltration basin as a part of enhanced site-wide Stormwater Management Plan, viii) Preparation of the Renewal of Solid Waste Facility Permit and Minor Modification, ix) Preparation of updates to the Landfill Closure/ Post Closure Financial Plan, x) Performance evaluation of the existing leachate treatment system and designing/overseeing the expansion plan for increased leachate treatment capacity, xi) Recertifications of constructed landfill cells, and xii) Provisions of other on-call landfill services as necessary.

2. *Gloucester County Solid Waste Complex, South Harrison Twp., Gloucester County, New Jersey*

CME has been serving the Gloucester County Improvement Authority as the **Solid Waste Engineer** of record for the period April 17, 2015 to February 28, 2024, and has been providing defined and on-call professional services in connection with the operation and permitting of the GCSWC, including: i) annual topographic



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survey; ii) annual engineering report; iii) annual inspection; iv) landfill gas flare emissions testing/reporting; v) surface and perimeter landfill gas monitoring; vi) statistical analyses for the Groundwater Detection Monitoring Program; vii) statistical analyses for the NJPDES permit for storm water basin recharge; viii) permit renewal and compliance assistance for the Title V Air Pollution Control Operating Permit; ix) design, contract administration, construction oversight, and inspection services for the construction of Cells 13, 14, 15, 16, 17, and 18; x) preparation Solid Waste Facility Permit renewals and of the design for the Lateral Landfill Expansion of approximately 71 acres, and obtain approval for the Amendment to the Gloucester County District Solid Waste Management Plan for the Phase IX Development Lateral Expansion; xi) leachate treatment pilot study; xii) design of two pump stations for the GCUA regional sewage/leachate forcemain; xiii) prepared updates to the Landfill Closure/ Post-Closure Financial Plan; and, xix) on-call services including litigation support and other services required by the Authority.

3. Middlesex County Landfill, East Brunswick, Middlesex Co., New Jersey

Currently, CME serves as the **Solid Waste Engineer** of record for the Middlesex County Utilities Authority Division of Solid Waste in relation to the operation of the Middlesex County Landfill. CME has assisted with maintaining compliance with the landfill's NJPDES Permit. CME performs annual inspections of the stormwater management system and prepares Annual Inspection Reports. CME is responsible for providing recommendations to update the Stormwater Pollution Prevention Plan for the capped area of the Landfill and is in charge of assisting the MCUA with complying with the Discharge to Groundwater requirements associated with the NJPDES permit. This includes the preparation of semi-annual groundwater quality monitoring reports. CME performs statistical analyses to evaluate the groundwater quality trend; the results of which are included in the semiannual reports. CME has provided assistance to the MCUA with updates to the Closure/ Post Closure Financial Plan of the Middlesex County Landfill. In addition, CME is assisting the MCUA in any necessary modifications as required by the NJDEP and any other updates that may be necessary. CME designed and oversaw the installation of an odor control and mitigation system and interim cap at the landfill. CME designed and provided construction oversight services for installation of approximately 15 acres of sideslope temporary rain cover. CME prepared a Request for Proposals for the development of a food waste recycling facility consisting of bioslurry production system, food waste anerobic digester, and a biogas purification system for renewable natural gas (RNG) utilization at the Middlesex County Landfill. CME has recently submitted a Solid Waste Facility Permit renewal and a Major Modification for a Vertical Landfill Expansion to the NJDEP. CME is assisting MCUA with a potential landfill gas to renewable natural gas facility for the Middlesex County Landfill.

4. Monmouth County Reclamation Center, Tinton Falls, Monmouth County, New Jersey

CME has been providing the Monmouth County Department of Public Works & Engineering with defined and on-call professional solid waste management and environmental engineering, planning and surveying services in connection with the operation and permitting of the Monmouth County Division of Reclamation Facilities for the last seven (7) years, including i) Semiannual ground water protection program compliance reports for MCRC; ii) Semiannual ground water contour map for both the upper Kirkwood and Vincenttown



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Aquifers; iii) Annual Compliance Statement, Semiannual Deviation Reports, Annual Emission Statement, Annual Greenhouse Gas Report for the MCRC Title V Operating Permit; iv) Quarterly letter report and monitoring location map for the results of perimeter gas testing at Howell Landfill; v) Semiannual letter report for the results of laboratory gas testing from three gas vents at Howell Landfill; vi) Annual topographic report for the approximate 266-acre area of the Phase I, II and III landfills as required by N.J.A.C. 7:26-2A.8 for submission to the NJDEP; vii) Closure permit, NJPDES permit and Title V permit compliance and monitoring services; viii) Prepared updates to the Landfill Closure/ Post Closure Financial Plan including the new Lateral Landfill Expansion, and ix) On-call services include activities related to the landfill operations.

5. City of Linden Sanitary Landfill, Linden, Union Co., New Jersey

CME provided engineering and environmental services to the City of Linden for the landfill closure and post-closure activities for the City of Linden Sanitary Landfill in Linden, New Jersey. CME has prepared contract documents for landfill gas utilization and renewable energy (wind/solar), provided Quality Assurance services for the landfill closure activities including final capping system, storm water management system, and passive landfill gas system and prepared the NJDEP Subchapter 8 and Title V air permits for the gas collection and treatment system for the landfill and passive systems at the landfill. CME designed the active landfill gas extraction and control system and enclosed flare, prepared bid documents, and assisted the City to procure the contractor for the construction of the active landfill gas extraction system. CME is currently providing on-going construction management services for the active landfill gas extraction system. CME continues to support the City with methane gas survey around the perimeter of the landfill buffer zone and the perimeter of all on-site structures on a quarterly basis, and monthly monitoring and adjustments to the gas wellheads. CME negotiated the conditions of the Title V air permit with USEPA and NJDEP for the gas collection system and enclosed flare. CME has been providing on-going services for operations and maintenance of the leachate collection and conveyance system, including monthly leachate sampling in compliance with the Linden Roselle Sewerage Authority permit requirements.

6. Former Bayonne Landfill/ Bayonne Golf Club, Bayonne, Hudson Co., New Jersey

CME was instrumental in the redevelopment of the Bayonne Golf Club Site, approximately 130 acres of contaminated brownfields including the former Bayonne Sanitary Landfill and the former PSE&G site. The remediation and closure of this site involved remediation of forty-two (42) individual areas of concern, historic fill, installation of engineering controls, and placement of Beneficial Reuse Materials in accordance with N.J.A.C. 7:26E-4. The NJDEP-approved engineering controls for the site include: perimeter vertical hydraulic barrier; leachate collection and conveyance system; and active gas collection system. CME prepared as-built reports for the remedial action elements, prepared the Remedial Action Report, established a Deed Notice, and obtained a site-wide No-Further-Action letter for this project. CME prepared an air permit application, conducts quarterly landfill gas monitoring, and provides quarterly and annual emissions reports to the NJDEP. CME also monitors groundwater and provides annual groundwater monitoring reports to NJDEP.



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7. Burlington County Resource Recovery Complex, Columbus, Burlington Co., New Jersey

CME provided Geotechnical Engineering Services for the Burlington County Resource Recovery Complex to assist the County with the permitting and design of the proposed Landfill No. 3 lateral expansion which is approximately 50 acres. Mr. Turan oversaw the geotechnical investigations in accordance with the NJDEP Solid Waste Regulations (NJAC 7:26-2A(6)) and the NJDEP DGW Permitting Program for Sanitary Landfills. A Geotechnical Design Analysis Report to support the Engineering Design and permitting for the proposed lateral expansion was prepared.

Additional information related to Relevant Experience and References is provided in **Section 4**.

**PROJECT MANAGEMENT & PROJECT TEAM**

**Behram Turan, P.E., L.S.R.P., Senior Vice President**, will be the assigned LSRP and main point-of-contact for the Township. Mr. Turan has over 30 years of experience in the fields of environmental engineering, including site remediation, brownfields redevelopment, management of dredged materials and beneficial reuse, solid and hazardous waste management, wetlands mitigation, surface water hydrology, hydrogeology, groundwater flow and contaminant mass transport and water resources planning. Mr. Turan is a Professional Engineer in the State of New Jersey, a Licensed Site Remediation Professional (LSRP) and a Certified Subsurface Evaluator (CSE). Mr. Turan has successfully completed a number of challenging site remediation projects leading to No Further Action Letter determinations from the NJDEP. Mr. Turan has issued over fifty (50) Response Action Outcomes (RAOs) since the initiation of the LSRP Program.

Mr. Turan will be assisted by a group of highly educated and experienced engineers, environmental scientists, geologists, hydrogeologists, and other technicians, as required. A list of key personnel, an organization chart, resumes and copies of professional certifications and licenses are provided in **Section 3**.

**PROPOSED HOURLY RATE SCHEDULE**

CME Associates will invoice the MCMUA on a time and material basis as well as other project related expenses in accordance with the hourly rate schedule included in **Section 5**. Expenses incurred for reproduction, postage handling, photographs and for services including sub-consultants, equipment and facilities not furnished by CME are charged to the MCMUA at cost plus fifteen percent. Automobile travel may be charged at the current rate per mile allowed by the Internal Revenue Service.





**Consulting & Municipal  
ENGINEERS**

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Morris County Municipal Utilities Authority

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Should you require additional information or should you have any questions concerning the enclosed proposal, please contact me at (732) 951-2101 to discuss them with you in more detail and provide clarification as necessary.

Very truly yours,

**CME Associates**

A handwritten signature in blue ink, appearing to read 'Behram Turan', written over a horizontal line.

Behram Turan, P.E., LSRP

*Senior Vice President*



## SECTION 1 | INTRODUCTION

## FIRM PROFILE

Founded in 1983, CME Associates (CME) has long been a cornerstone of civil and environmental engineering in New Jersey. Headquartered in East Brunswick, CME has grown to encompass over 600+ professionals across nine offices in New Jersey and New York. With core services spanning civil, environmental, structural, geotechnical, and highway engineering, traffic engineering, MEP, planning, landscape architecture, GIS, and surveying, CME is known for delivering comprehensive solutions to public and private clients alike. The company is currently on a strategic growth trajectory, expanding its capabilities to deliver greater value to the communities it proudly serves. In 2024, CME welcomed Churchill Consulting Engineers (Churchill), a firm with a strong reputation for excellence in construction management and inspection services. In 2025, the expansion continued with the acquisition of Naik Group (Naik), recognized for its technical expertise and diverse portfolio of infrastructure projects. These milestones are not just about growth in size, they represent a deliberate investment in people, resources, and expertise that enable CME to provide a broader range of high-

quality, community-focused engineering solutions. By bringing together their proven track records and specialized skills of Churchill and Naik with CME's established foundation, the firm has created a powerful platform to address today's most pressing infrastructure challenges. This integration strengthens CME's ability to deliver innovative and efficient solutions that reflect the needs, priorities, and vision of the communities we serves. From complex transportation projects to essential municipal improvements, CME's expanded team is equipped to lead projects from concept through completion with a commitment to excellence and a deep understanding of community impact. Today, CME, Churchill, and Naik stand united as a team working collaboratively to shape resilient, efficient, and people centered infrastructure throughout New Jersey and New York. This momentum reflects a legacy of growth, partnership, and technical leadership defining CME as not only an industry leader but also a trusted partner dedicated to building stronger, more connected communities for generations to come.



600+

Employees

40+

Years In Business

9

Offices Across  
New Jersey &  
New YorkOFFICE  
LOCATIONS**HEADQUARTERS**

1 Tower Center Blvd., 20th Floor  
East Brunswick, NJ 08816  
P: 732.951.2101

**BARNEGAT**

849 West Bay Ave., Suite 16  
Barnegat, NJ 08005  
P: 732.410.2650

**BERLIN**

344 N. Route 73, Suite A  
Berlin, NJ 08009  
P: 856.767.6901

**CAMDEN**

1 Market Street Suite 1F  
Camden, NJ 08102  
P: 732.410.2651

**CAPE MAY COURT HOUSE**

211 Bayberry Drive, Suite 1D  
Cape May Court House, NJ 08210  
P: 609.645.3333

**EDISON**

200 Metroplex Drive, Suite 403  
Edison, NJ 08817  
P: 732.777.0030

**HOWELL**

1460 Rt. 9 South  
Howell, NJ 07731  
P: 732.462.7400

**PARLIN**

3141 Bordentown Ave.  
Parlin, NJ 08859  
P: 732.727.8000

**NEW YORK**

111 West 33rd Street, Suite 605  
New York, NY 10120  
P: 212.575.2701



## FIRM LEADERSHIP

CME's leadership team is defined by its depth of experience and its ability to translate vision into action. With decades of combined expertise spanning engineering, planning, construction management, and infrastructure delivery, they provide both strategic direction and hands-on guidance. Their leadership was instrumental in successfully integrating Churchill Consulting Engineers and Naik Group, strengthening CME's technical capabilities while preserving its client-focused culture. What sets this team apart is

their commitment to collaboration, mentorship, and fostering an environment where professionals thrive. They balance technical excellence with an understanding of community priorities, ensuring projects are not only well-executed but also meaningful in their impact. United in purpose, CME's leaders continue to cultivate a culture of accountability, innovation, and partnership that drives the firm forward and supports the long-term success of its clients and communities.



**PRESIDENT/  
CHIEF EXECUTIVE OFFICER**  
Anand (Andy) Paluri, PE, PTOE



**MANAGING PARTNER**  
David J. Samuel, PE, PP, CME



**EXECUTIVE VICE PRESIDENT**  
Robert L. Churchill, PE, PP, CME



**EXECUTIVE VICE PRESIDENT**  
Jay B. Cornell, PE, PP, CME



**EXECUTIVE VICE PRESIDENT**  
Michael J. McClelland, PE, PP, CME



**EXECUTIVE VICE PRESIDENT**  
Sanjay Naik, PE



**EXECUTIVE VICE PRESIDENT**  
Gregory R. Valesi, PE, PP, CME, CFM



**SENIOR VICE PRESIDENT**  
Keith Chiaravalle, PE, CME



**SENIOR VICE PRESIDENT**  
James J. Mellett, PE, CFM



**SENIOR VICE PRESIDENT**  
Tejal Patel, PE, CME, LEED-AP



**SENIOR VICE PRESIDENT**  
Trevor J. Taylor, PE, PP, CME, CFM



**SENIOR VICE PRESIDENT**  
Behram Turan, PE, LSRP





## **SECTION 2 | SCOPE OF SERVICES**

### **INTRODUCTION**

CME understands that qualifications for Engineering Services for the Solid Waste Division are sought by the Morris County Municipal Utilities Authority for the period of February 12, 2025 to February 10, 2026. Established in 1983, CME Associates is a multi-disciplined consulting engineering firm dedicated to providing a high quality of professional Engineering Consulting Services. CME Associates provides a complete range of Environmental Engineering and Solid Waste Management Consulting Services that would serve to be instrumental in fulfilling the Township's required services in a cost-effective and timely manner. CME Associates has considerable experience performing environmental consulting services for solid waste management, landfill engineering design and permitting including landfill closure and post-closure, management of dredged materials, land use permits including Waterfront Development permit, wetlands delineation and compensatory wetlands mitigation design, topographic surveys, and construction management. CME Associates has extensive experience in working with the NJDEP, USEPA and ACOE on permitting, compliance, and other regulatory concerns.

### **SCOPE OF WORK**

CME understands that the Morris County Board of Chosen Freeholders has designated the MCMUA to be the implementing agency for the Morris County Solid Waste Management Plan. As such, the MCMUA provides operations such as solid waste disposal at its transfer stations to the hauling community, curbside recycling collection to municipalities, and additional solid waste management services to the residents and businesses of Morris County.

CME is prepared to provide solid waste engineering services to the MCMUA including, but not limited to, the following:

- Solid Waste Projects
- Transfer Station Permitting
- Engineering design and construction
- Household Hazardous Waste

### **RELEVANT EXPERIENCE**

CME Associates has successfully prepared recycling services for public authorities, landfill closure and post-closure services, ground water monitoring reports, air emissions statements, and conducted landfill gas sampling at various landfills in New Jersey including Gloucester County Solid Waste Complex, Middlesex County Landfill, Monmouth County landfills at the Monmouth County Reclamation Center Facility, former Overpeck Landfill in Bergen County, former Bayonne municipal landfill, former ILR landfill in Edison, former City of Linden Sanitary Landfill, Legler Landfill in Jackson Township, and Plainsboro Landfill in Plainsboro, among others. The following projects are presented as typical examples:

#### 1) *Cumberland County Solid Waste Complex, Deerfield Twp., Cumberland County, New Jersey*

CME has been serving the Cumberland County Improvement Authority as the Solid Waste Engineer for the Cumberland County Landfill since 2016. To date, CME has assisted the Cumberland County Improvement Authority by performing the following services: i) Annual Topographic Survey Report, ii) Annual Engineering Report, iii) Annual Inspection Report, iv) Statistical analyses associated with Groundwater Detection Monitoring Program, v) Statistical analyses associated with NJPDES permit for storm water basin recharge, vi) Design of stormwater management system including additional detention basins, vii) Design of a new infiltration basin as a part of enhanced site-wide Stormwater Management Plan, viii) Preparation of the Renewal of Solid Waste Facility Permit and Minor Modification, ix) Preparation of updates to the Landfill Closure/ Post Closure Financial Plan, x) Performance evaluation of the existing leachate treatment system and designing/overseeing the expansion plan for increased leachate treatment capacity, xi) Re-certifications of constructed landfill cells, and xii) Provisions of other on-call landfill services as necessary.

### 2) Gloucester County Solid Waste Complex, South Harrison Twp., Gloucester County, New Jersey

CME has been serving has been serving the Gloucester County Improvement Authority as the Solid Waste Engineer of record since April 2015 and has been providing defined and on-call professional services in connection with the operation and permitting of the GCSWC, including: i) annual topographic survey; ii) annual engineering report; iii) annual inspection; iv) landfill gas flare emissions testing/reporting; v) surface and perimeter landfill gas monitoring; vi) statistical analyses for the Groundwater Detection Monitoring Program; vii) statistical analyses for the NJPDES permit for storm water basin recharge; viii) permit renewal and compliance assistance for the Title V Air Pollution Control Operating Permit; ix) design, contract administration, construction oversight, and inspection services for the construction of Cells 13, 14, 15, 16, 17, and 18; x) preparation Solid Waste Facility Permit renewals and of the design for the Lateral Landfill Expansion of approximately 71 acres, and obtain approval for the Amendment to the Gloucester County District Solid Waste Management Plan for the Phase IX Development Lateral Expansion; xi) leachate treatment pilot study; xii) design of two pump stations for the GCUA regional sewage/leachate forcemain; xiii) prepared updates to the Landfill Closure/ Post-Closure Financial Plan; and xix) on-call services including litigation support and other services required by the Authority.

### 3) Middlesex County Landfill, East Brunswick, Middlesex County, New Jersey

CME serves as the Solid Waste Engineer of record for the Middlesex County Utilities Authority Division of Solid Waste in relation to the operation of the Middlesex County Landfill. CME has assisted with maintaining compliance with the landfill's NJPDES Permit. CME performs annual inspections of the stormwater management system and prepares Annual Inspection Reports. CME is responsible for providing recommendations to update the Stormwater Pollution Prevention Plan for the capped area of the Landfill and is in charge of assisting the MCUA with complying with the Discharge to Groundwater requirements associated with the NJPDES permit. This includes the preparation of semi-annual groundwater quality monitoring reports. CME performs statistical analyses to evaluate the groundwater quality trend; the results of which are included in the semi-annual reports. CME has provided assistance to the MCUA with updates to the Closure/ Post Closure Financial Plan of the Middlesex County Landfill. In addition, CME is assisting the MCUA in any necessary modifications as required by the NJDEP and any other updates that may be necessary. CME designed and oversaw the installation of an odor control and mitigation system and interim cap at the landfill. CME designed and provided construction oversight services for installation of approximately 15 acres of sideslope temporary rain cover. CME prepared a Request for Proposals for the development of a food waste recycling facility consisting of bioslurry production system, food waste anerobic digester, and a biogas purification system for renewable natural gas (RNG) utilization at the Middlesex County Landfill. CME has recently submitted a Solid Waste Facility Permit renewal and a Major Modification for a Vertical Landfill Expansion to the NJDEP. CME is assisting MCUA with a potential landfill gas to renewable natural gas facility for the Middlesex County Landfill.

### 4) Monmouth County Reclamation Center, Tinton Falls, Monmouth County, New Jersey

CME Associates has been providing the Monmouth County Department of Public Works & Engineering with defined and on-call professional solid waste management and environmental engineering, planning and surveying services in connection with the operation and permitting of the Monmouth County Division of Reclamation Facilities for the last six (6) years, including i) Semiannual ground water protection program compliance reports for MCRC; ii) Semiannual ground water contour map for both the upper Kirkwood and Vincentown Aquifers; iii) Annual Compliance Statement, Semiannual Deviation Reports, Annual Emission Statement, Annual Greenhouse Gas Report for the MCRC Title V Operating Permit; iv) Quarterly letter report and monitoring location map for the results of perimeter gas testing at Howell Landfill; v) Semiannual letter report for the results of laboratory gas testing from three gas vents at Howell Landfill; vi) Annual topographic report for the approximate 266-acre area of the Phase I, II and III landfills as required by N.J.A.C. 7:26-2A.8 for submission to the NJDEP; vii) Closure permit, NJPDES permit and Title V permit compliance and monitoring services; viii) Prepared updates to the Landfill Closure/ Post Closure Financial Plan including the new Lateral Landfill Expansion, and ix) On-call services include activities related to the landfill operations.

### 5) City of Linden Sanitary Landfill, Linden, Union County, New Jersey

CME Associates provided engineering and environmental services to the City of Linden for the landfill closure and post-closure activities for the City of Linden Sanitary Landfill in Linden, New Jersey. CME has prepared contract documents for landfill gas utilization and renewable energy (wind/solar), provided Quality Assurance services for the landfill closure activities including final capping system, storm water management system, and passive landfill gas system and prepared the NJDEP Subchapter 8 and Title V air permits for the gas collection and treatment system for the landfill and passive systems at the landfill. CME Associates designed the active landfill gas extraction and control system and enclosed flare,

## SECTION 2 | SCOPE OF SERVICES

prepared bid documents, and assisted the City to procure the contractor for the construction of the active landfill gas extraction system. CME Associates is currently providing on-going construction management services for the active landfill gas extraction system. CME Associates continues to support the City with methane gas survey around the perimeter of the landfill buffer zone and the perimeter of all on-site structures on a quarterly basis, and monthly monitoring and adjustments to the gas wellheads. CME Associates negotiated the conditions of the Title V air permit with USEPA and NJDEP for the gas collection system and enclosed flare. CME Associates has been providing on-going services for operations and maintenance of the leachate collection and conveyance system, including monthly leachate sampling in compliance with the Linden Roselle Sewerage Authority permit requirements.

### 6) Former Bayonne Landfill / Bayonne Golf Club, Bayonne, Hudson County, New Jersey

CME Associates was instrumental in the redevelopment of the Bayonne Golf Club Site, consisting of approximately 130 acres of contaminated brownfields including the former Bayonne Sanitary Landfill and the former PSE&G site. The remediation and closure of this site involved the remediation of forty-two (42) individual areas of concern, historic fill, the installation of engineering controls, and the placement of Beneficial Reuse Materials in accordance with N.J.A.C. 7:26E-4. The NJDEP-approved engineering controls for the site include: a perimeter vertical hydraulic barrier; a leachate collection and conveyance system; and an active gas collection system. CME Associates prepared as-built reports for the remedial action elements, prepared the Remedial Action Report, established a Deed Notice, and obtained a site-wide No-Further-Action letter for this project. CME Associates prepared an air permit application, conducts quarterly landfill gas monitoring, and provides quarterly and annual emissions reports to the NJDEP. CME Associates also monitors groundwater and provides annual groundwater monitoring reports to NJDEP.

### 7) Burlington County Resource Recovery Complex, Columbus, Burlington County, New Jersey

CME Associates provided Geotechnical Engineering Services for the Burlington County Resource Recovery Complex to assist the County with the permitting and design of the proposed Landfill No. 3 lateral expansion which is approximately 50 acres. Mr. Turan oversaw the geotechnical investigations in accordance with the NJDEP Solid Waste Regulations (NJAC 7:26-2A(6)) and the NJDEP DGW Permitting Program for Sanitary Landfills. A Geotechnical Design Analysis Report to support the Engineering Design and permitting for the proposed lateral expansion was prepared.

## PROJECT MANAGEMENT AND PROJECT TEAM

**Behram Turan, P.E., LSRP**, Senior Vice President, will be the Project Manager and main point of contact for this project. Mr. Turan has over 30 years of experience, including working experience with NJDEP, in solid and hazardous waste management, remediation of soil and groundwater, brownfields redevelopment, management of dredged materials and beneficial reuse, wetlands mitigation, surface water hydrology, hydrogeology, groundwater flow and contaminant mass transport, and water resources planning. Mr. Turan is a Professional Engineer in the state of New Jersey, Licensed Site Remediation Professional (LSRP), and a Certified Subsurface Evaluator. Mr. Turan served as the principal in charge for preparation of numerous landfill engineering design and permitting, and management of dredged materials for public and private sector clients. Some highlights of Mr. Turan's experience are provided as follows:

### Solid and Hazardous Waste Management

- Principal in charge of providing Gloucester County Improvement Authority (GCIA) with Solid Waste Engineering services in connection with the operation and permitting of the GCSWC including: i) annual topographic survey; ii) annual engineering report; iii) annual inspection; iv) landfill gas flare emissions testing/reporting; v) surface and perimeter landfill gas monitoring; vi) statistical analyses for the Groundwater Detection Monitoring Program; vii) statistical analyses for the NJPDES permit for storm water basin recharge; viii) permit renewal and compliance assistance for the Title V Air Pollution Control Operating Permit; ix) design, contract administration, construction oversight, and inspection services for the construction of Cells 13, 14, 15, and 16; x) preparation of Solid Waste Facility Permit renewals and the design for the Lateral Landfill Expansion of approximately 71 acres, and obtain approval for the Amendment to the Gloucester County District Solid Waste Management Plan for the Phase IX Development Lateral Expansion; xi) leachate treatment pilot study; xii) design of two pump stations for the GCUA regional sewage/leachate forcemain; xiii) prepared updates to the Landfill Closure/ Post-Closure Financial Plan; and xix) on-call services including litigation support and other services required by the Authority.





- Principal in charge of providing solid waste engineering services to the Middlesex County Utilities Authority, including assisting with maintaining compliance with the landfill's NJPDES Permit, performing annual inspections of the stormwater management system and preparing Annual Inspection Reports, providing recommendations to update the Stormwater Pollution Prevention Plan for the capped area of the Landfill, assisting the MCUA with complying with the Discharge to Groundwater requirements associated with the NJPDES permit, performing statistical analyses to evaluate the groundwater quality trend, providing assistance to the MCUA with updates to the Closure/ Post Closure Financial Plan of the Middlesex County Landfill, designing and overseeing the installation of an odor control and mitigation system and interim cap at the landfill, designing and providing construction oversight services for installation of approximately 15 acres of sideslope temporary rain cover, preparing a Request for Proposals for the development of a food waste recycling facility consisting of bioslurry production system, food waste anaerobic digester, and a biogas purification system for renewable natural gas (RNG) utilization at the Middlesex County Landfill, submitting a Solid Waste Facility Permit renewal and a Major Modification for a Vertical Landfill Expansion to the NJDEP, and assisting MCUA with a potential landfill gas to renewable natural gas facility for the Middlesex County Landfill.
- Principal in charge for providing defined and on-call services for the Monmouth County Reclamation Center Landfills, including Closure permit, NJPDES permit and Title V permit compliance and monitoring services. In addition, on-call services include activities related to the landfill operations.
- Principal in charge for the implementation of the landfill closure and redevelopment activities for the former City of Bayonne Landfill Site in Bayonne, New Jersey, including Fill Acceptance Protocol and Review Engineer for final cover system, design of containment system including slurry wall and leachate collection and conveyance system, operations of the leachate control system and leachate pre-treatment system, implementation of final cover system including Processed Dredged Materials, design of underslab gas ventilation system for the Club House, design of landfill gas control system and enclosed flare, and regulatory compliance for NJDEP permit requirements.
- Principal in charge of landfill closure and post-closure activities for the City of Linden Sanitary Landfill in Linden, New Jersey, including design of landfill gas extraction and control system, Quality Assurance services for the landfill closure activities including final capping system, stormwater management system, and passive landfill gas system, preparation of Landfill Closure and Post-Closure Plans with environmental improvements which included a slurry wall and leachate collection system. The project also included the attainment of all applicable local and state permits. Managed the construction activities for the environmental improvements of the City of Linden Landfill. Designed the active landfill gas extraction and control system, including specification / contract document preparation, and managed the construction activities. Successfully negotiated the conditions of the Title V air permit with USEPA and NJDEP for the gas collection system and enclosed flare.
- Principal in charge of landfill closure and redevelopment of a portion of the ILR Landfill for a proposed 550,000 SF warehouse/office building in Edison, New Jersey, including preparation of Landfill Closure and Post-Closure Care Plan, preparation of Major Landfill Disruption Permit application, preparation of landfill capping system, and preparation of landfill gas collection and conveyance system, and preparation of Pre-construction air permits.

### Beneficial Reuse of Fill Materials

- Principal in charge and designated Review Engineer for imported beneficial reuse material used as part of the implementation of the Closure Plan and Redevelopment of the Overpeck Park Landfill Areas IV into a passive recreation park including Processed Dredged Materials (PDM) for capping the site and the import of clean tested soil for covering the PDM and supporting the proposed landscaping.
- Principal in charge and designated Review Engineer for fill review engineering services related to the acceptance of daily and intermediate soil cover for the CCSWC, Gloucester County Solid Waste Complex, and the Middlesex County Landfill.
- Prepared Fill Acceptance Protocols and Beneficial Use Determination applications for a number of projects and successfully obtained NJDEP's approval for beneficial reuse materials including Processed Dredged Materials.

## SECTION 2 | SCOPE OF SERVICES

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- Principal in charge and designated Review Engineer for over 2 million cubic yards of imported beneficial reuse materials including Processed Dredged Materials (PDM) used for the final cover system of the Bayonne Golf Course Redevelopment Project including the Former PSE&G site and the City of Bayonne Landfill in Bayonne, New Jersey.
- Principal in charge and designated Review Engineer for over 6 million cubic yards of imported beneficial reuse materials for shaping/grading and cover systems including Processed Dredged Materials (PDM) at the Meadowlands Redevelopment Project in Lyndhurst, New Jersey.
- Principal in charge of preparation of Fill Acceptance Protocol for approximately 500,000 cubic yards of imported fill materials and Processed Dredged Materials for redevelopment of a portion of the former ILR Landfill in Edison, New Jersey.
- Providing engineering services to the Sayreville Economic and Redevelopment Agency (SERA) regarding the acceptance of the imported fill materials including Processed Dredged Materials (PDM) through the process of redeveloping over 400 acres of waterfront land into a mixed-use development of residential, retail, office space, hotels, entertainment and recreation in Sayreville, New Jersey.

### Regulatory Compliance and Permitting

- Principal in charge of directing air permitting and compliance services for landfill gas collection systems and enclosed flares located in New Jersey including the Bayonne Golf Club, Middlesex Logistics Center, and Linden Landfill.
- Principal in charge of procuring the environmental permits for the NJTA Interchange 12 Final Improvements project including NJDEP Freshwater Wetlands General Permit Nos. 12 and 14, an Individual Freshwater Wetlands Permit/ Waterfront Development, Water Quality Certification, Transition Area Waiver and Coastal Consistency and Individual Section 10 and 404 Permit from the U.S. Army Corps of Engineers, and preparation of wetlands mitigation proposal, and engineering design of compensatory wetlands mitigation for approximately 10-acre area including the procurement of NJDEP and ACOE permit approvals.
- Principal in charge of procuring NJDEP permits for the redevelopment of a portion of ILR Landfill in Edison, NJ, including, Waterfront Development Permit, Landfill Closure and Post-Closure Plan, Major Landfill Disruption Permit, and Closure and Post-Closure Financial Plan, and Remedial Action Workplan approval.
- Principal in charge of procuring NJDEP permits for the redevelopment of a Former Hess Oil and Gasoline Bulk Storage Facility in Newark, New Jersey, including Waterfront Development Permit, Applicable Use Determination for the Dredged Processing Facility, Nationwide ACOE permit, and Air Permit for the operation of the facility.

The following key personnel will assist Mr. Turan on this project:

- Mohammad Zaman, Ph.D., P.E., LSRP, BCEE, Director of Environmental Services:

Dr. Zaman has more than 20 years of professional experience in providing technical and regulatory compliance services. Dr. Zaman is experienced in planning and developing remedial strategies; evaluating and implementing innovative and emerging technologies; designing, specifying, commissioning, and operating state-of-the art wastewater and remediation/pollution control systems. He has extensive experience in soil and groundwater characterization, groundwater flow and contaminant fate & transport modeling, and the design and implementation of innovative soil and groundwater remediation technologies.

- Zahid Siddiqui, P.E., Program Manager

Mr. Siddiqui has over 25 years of experience in site planning and development, surface water hydrogeology and hydrodynamic modeling, stormwater management, and green infrastructure. He is a licensed professional engineer in New Jersey and Virginia, and is a certified floodplain manager. He has designed a 15,000 foot retrofit leachate collection system for an old landfill site (Brownfield) using pneumatic pumps and a landfill gas collection system for a 400 acre landfill gas to energy facility. He has performed stability analysis of slopes for a 300 acre Brownfield Site and designed geogrid slope reinforcements and sheet piles. He has designed 15 state of the art new MSW landfills in Northern Africa. The design included site selection studies, geological mapping, groundwater and stormwater modeling, modeling of gas generation rates, seismic stability analysis, design of liner and capping systems, design of leachate collection and disposal systems, design of stormwater management system, design of gas collection and venting system, and scheduling construction activities.

➤ Suresh Puppala, PhD, P.E., LSRP, Program Manager

Mr. Puppala has over 15 years of experience in environmental engineering. His experience spans the gamut from academic research to consulting engineering services associated with characterization and remediation of impacted soil/groundwater, and solid waste management.

- Gloucester County Solid Waste Complex, South Harrison, NJ:  
Project Manager involved with providing GCIA Solid Waste Engineering services in connection with i) leachate treatment feasibility, ii) evaluation of potential adverse impacts associated with accepting C&D containing gypsum drywall material, iii) evaluation of landfill cap slope failure, iv) submission of New Jersey Environmental Infrastructure Trust (NJEIT) applications for new Cell 13, new Cell 14, and new Cell 15, v) annual topographic survey, vi) annual engineering report, vii) annual inspection, viii) landfill gas flare emissions testing/reporting, ix) surface and perimeter landfill gas monitoring, x) statistical analyses associated with Groundwater Detection Monitoring Program, xi) statistical analyses associated with NJPDES permit for storm water basin recharge, and xii) permit renewal and compliance assistance for the Title V Air Pollution Control Operating Permit.
- Monmouth County Landfill and Reclamation Center, Tinton Falls, NJ:  
Project Manager involved with i) statistical analyses of groundwater monitoring data in accordance with the Groundwater Detection Monitoring Program and ii) overseeing Licensed Site Remediation Professional Services associated with an on-site UST closure.
- Carteret Landfill Redevelopment, Carteret, NJ:  
Managed various environmental aspects (during the final stages) of a landfill closure and redevelopment (construction of 1,250,000 sf of warehousing facilities) funded by the New Jersey Environmental Infrastructure Trust. Specifically, communicated/negotiated with NJDEP as needed; overseeing site grading operations, landfill capping soil quality control and placement; approved subcontractor submittals associated with installation of leachate collection/treatment system, landfill gas collection system, temporary and permanent landfill gas flares; analyzed compliance of the landfill gas extraction system with the NJDEP air permit requirements (i.e., flare sizing analysis to ensure emissions comply with the air permit, type of control/safety devices to be utilized, etc.); evaluated landfill gas detection systems for building interiors; prepared and submitted monthly progress reports and a Landfill Closure Report.
- Whippany Landfill, Whippany, New Jersey:  
Managed O&M activities associated with a closed landfill adjacent to an active logistics center. Specifically, ensured compliance with the NJDEP air permit; negotiated with NJDEP modifications to the air permit (elimination of activated carbon control units etc.); prepared RADIUS submittals to NJDEP to modify air permit; managed emissions compliance sampling/reporting, landfill gas monitoring and facility inspection and groundwater compliance sampling.
- James Sousa, PhD., LSRP, Program Manager  
Mr. James Sousa, Ph.D., LSRP is an experienced Senior Hydrogeologist and has conducted hydrogeologic modeling for fate and transport of contaminants in groundwater to evaluate in-situ and ex-situ remediation systems, prepared landfill disruption permits, and prepared landfill Closure and Post-Closure Plans.
- Michael McGurl, PLS, Director of Surveying Services  
Mr. McGurl has over twenty years of experience in boundary and right-of-way surveying. This experience has included: the preparation of right-of-way documents, large boundary surveys, establishment of horizontal and vertical control networks through land based and satellite techniques, hydrographic and topographic mapping, research of public and private title records, and the preparation of legal descriptions for fee and easement acquisition.

Resumes of the key personnel are provided in **Section 3**.



## **SECTION 3 | RESUMES OF KEY STAFF**

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At CME, our strength begins with our people. Each member of our team brings exceptional technical expertise, forward-thinking perspective, and a genuine commitment to our clients' goals. We don't just design infrastructure, we build partnerships, serving as trusted advisors throughout every stage of a project. Our professionals are recognized not only for their skill as engineers, scientists,

planners, project managers, and technical specialists, but also for the dedication, responsiveness, and insight they bring to every challenge. This combination of talent, collaboration, and client focus is what sets CME apart and drives our continued success. The resumes of following staff members have been included:

### **SENIOR VICE PRESIDENT**

**Behram Turan, P.E., LSRP**

### **DIRECTOR**

**Mohammad Zaman, Ph.D., P.E., LSRP**

### **PROGRAM MANAGERS**

**Suresh Puppala, Ph.D., P.E., LSRP**

**James Sousa, Ph.D., LSRP**

**Manal Baba, LSRP**

**Stephen Mastripolito, P.E., LSRP**

**Zahid Siddiqui, P.E.**

### **SENIOR SCIENTISTS**

**Eric Snee, LSRP**

**Salih Kokol, CSE**

**Jacquelyn Fagan**

### **SENIOR GEOLOGIST**

**Jose Bustamante**

### **ASSOCIATE PROJECT ENGINEER**

**Austin Bazuk**

### **PROFESSIONAL ENGINEER**

**Drew Lewis, P.E., P.P.**

**David Faust, P.E.**

### **ASSOCIATE PROFESSIONAL ENGINEER**

**Rand Pianin, P.E.**

### **PROJECT ENGINEERS**

**Ashley Castillo, E.I.T.**

**Jordyn Styczynski, E.I.T.**

### **ENGINEERS**

**Katrina Brodecki, E.I.T.**

**Pralendra Singh**

### **LEAD SCIENTIST**

**Christian Kuter**

**Alan Buob**

### **PROJECT GEOLOGISTS**

**Richard James Kemble**

**Conner McFadden**

### **ASSOCIATE ENGINEERS**

**Bianca Mastellone**

**Dennis Leonard**

**Devyn Walkowicz**

**Joseph Doherty**

### **ASSOCIATE SCIENTISTS**

**Haley Wilmot**

**James Heitmann**

**Julia Glatt**

**Sena Arisoy**

**BEHRAM TURAN, P.E., LSRP**  
**SENIOR VICE PRESIDENT - ENVIRONMENTAL SERVICES**



**EDUCATION/CERTIFICATIONS:**

Rutgers University, New Brunswick, NJ  
Princeton University, Princeton, NJ  
Advanced Graduate Level Courses and Research in  
Groundwater Flow and Mass Transport, 1986-1991

Colorado State University, Fort Collins, Colorado  
M.S., Hydrology & Water Resources Mgmt., 1984

Istanbul Technical University, Istanbul, Turkey  
B.S., Civil Engineering, 1980

Professional Engineer, NJ, 1995 / #24GE03921000

Professional Engineer, Delaware, 1994 / #9606

Licensed Site Remediation Professional (LSRP) in  
NJ, 2009 / # 591482

Certified Subsurface Evaluator NJ, 2003 / #203210

**PROFESSIONAL TRAINING:**

Chlorinated Solvent Site Investigation & Implementation of  
In-Situ Remediation (2021)

Vapor Intrusion Investigation & Mitigation Innovation Series  
(2021)

Remediation of Heavy Metals Using In-Situ Approaches  
(2021)

Geotechnical Engineering and Linear Construction During  
Site Remediation (2021)

RAOs – Is there Ever Finality (2021)

Vapor Mitigation Design and Installation (2020)

Variances – Diverging from a Rule while Successfully  
Achieving Rule Objectives (2020)

What SRRA 2.0 Means to LSRPs (2020)

Rapid Design & Analysis of Ground Water Remediation  
Systems (2018)

Groundwater in Fractured Bedrock (2018)

In-Situ Chemical Oxidation Developments (2018)

LSRP Ethics (2017, 2020)

NJDEP's Regulatory Training in Underground Storage Tanks  
(2002, 2006, 2009, 2012, 2015, 2018, 2024)

40-hour OSHA Hazardous Waste Site Operations Health and  
Safety Certification (1992)

8-hour HAZWOPPER refresher (yearly since 1992)

**GENERAL QUALIFICATIONS:**

Mr. Turan is the Senior Vice President of the Environmental  
Engineering Division of CME Associates. Mr. Turan has over  
35 years of experience in the fields of environmental

engineering including solid and hazardous waste  
management, management of dredged materials and  
beneficial reuse, hydrogeology, groundwater flow and  
contaminant mass transport, water resources planning, site  
remediation, and brownfields redevelopment. Mr. Turan is a  
Professional Engineer in the state of New Jersey. Mr. Turan  
is also a Licensed Site Remediation Professional (LSRP) has  
issued over fifty (50) Response Action Outcomes (RAOs)  
since the initiation of the LSRP Program. Mr. Turan has  
directed landfill engineering services including landfill design  
and closure and post-closure activities. Mr. Turan has been  
solid waste engineer in charge of providing landfill  
engineering services including landfill cell design, Title V air  
permitting services, landfill final cap and closure designs,  
Solid Waste Facility (SWF) permit renewals, major landfill  
disruption permits for both lateral and vertical landfill  
expansions, ground water and leachate monitoring, and  
landfill gas sampling.

**SUMMARY OF EXPERIENCE:**

**LSRP PROGRAM EXPERIENCE:**

**Former South River Metals, Aberdeen, NJ**

Principal and LSRP in charge performing remedial  
investigation and remedial action at the Former South River  
Metals Redevelopment Site, Aberdeen, New Jersey, and  
identifying an integrated planning and management strategy  
for remediation and ultimately redevelopment of the site.  
The project involved conducting a Site Investigation,  
Remedial Investigation, and Remedial Action for the site in  
accordance with NJAC 7:26E. A Remedial Action Report for  
Soils was submitted to NJDEP, Remedial Action Permits for  
soil were issued by NJDEP for each of the residential lots,  
restricted Use Response Action Outcomes (RAOs) for all soil  
AOCs were issued, and a Remedial Action Report including a  
classification exception area (CEA) for the groundwater and  
surface water contamination at the site was submitted. A  
Remedial Action Permit for Groundwater is pending with the  
NJDEP and a RAO for groundwater will be issued upon  
completion of the groundwater RAP.

**Former Middlesex County Administration Building,  
New Brunswick, NJ**

Principal in charge and LSRP of record for remedial  
investigation, remedial action workplan, and remedial action  
for soil and groundwater contamination associated with the  
former heating oil UST discharge at the Former Middlesex  
County Administration Building. Remedial actions included  
the excavation of soil hot spots and in situ chemical oxidation  
and enhanced in situ bioremediation injections.

**Tamarack Golf Course, East Brunswick, NJ**

• Principal in charge and LSRP of record for the preparation  
of remedial investigation and remedial action workplan for  
groundwater related to the release of a former gasoline UST

**BEHRAM TURAN, P.E., LSRP**  
**SENIOR VICE PRESIDENT - ENVIRONMENTAL SERVICES**



at the Middlesex County Improvement Authority Tamarack Golf Course in accordance with Technical Requirements for Site Remediation. Planned remedial activities include in situ chemical injections.

**South River Firehouse, South River, NJ**

Principal in charge and LSRP of record for the remedial investigation and remedial action conducted for areas of concern associated with former and existing USTs on the site, as well as with former auto repair operations. Remedial actions at the site included the implementation of in situ chemical injections. The site was redeveloped as a Fire House by the Borough of South River.

**Roosevelt Care Center, Edison, NJ**

Principal in charge and LSRP of record for remedial investigation and remedial action related to the groundwater contamination emanating from former USTs for the Roosevelt Care Center in accordance with the Technical Requirements for Site Remediation.

**Lenape Park, Cranford, NJ**

Principal in charge and LSRP of record for the remedial investigation, remedial action workplan, and ecological evaluation of sensitive receptors concerning heavy metals contamination of Lenape Park in Union County in accordance with Technical Requirements for Site Remediation.

**NJTA Interchange 12 Final Improvements Project**

Principal in charge of procuring the environmental permits for the NJTA Interchange 12 Final Improvements project including NJDEP Freshwater Wetlands General Permit Nos. 12 and 14, an Individual Freshwater Wetlands Permit/Waterfront Development, Water Quality Certification, Transition Area Waiver and Coastal Consistency and Individual Section 10 and 404 Permit from the U.S. Army Corps of Engineers, and preparation of wetlands mitigation proposal, and engineering design of compensatory wetlands mitigation for approximately 10-acre area including the procurement of NJDEP and ACOE permit approvals.

**SOLID WASTE MANAGEMENT EXPERIENCE:**

Mr. Turan is the solid waste engineer for the following four (4) operating landfills in New Jersey: Middlesex County Utilities Authority Landfill, Gloucester County Improvement Authority Landfill, Cumberland County Improvement Authority Landfill, and Monmouth County Reclamation Center Landfills. Mr. Turan assisted the City of Linden with the implementation of the New Jersey Environmental Justice ("EJ") Law requirements, including the public meetings, related to the City of Linden Sanitary Landfill Title V Permit renewal and installation of a new flare.

**Former Overpeck Landfill Areas, I, II, III, and IV**

In charge of providing Bergen County with professional engineering services related to the former Overpeck Landfill Areas I, II, III, and IIV in Bergen County, New Jersey,

including annual waste water services, exhaust air sampling, annual pump station operation and management, alarm system calibration, quarterly groundwater monitoring, closure and post-closure operation and maintenance, quarterly NJDEP reporting, quarterly landfill gas monitoring, and prepared landfill closure and post-closure design and provided construction oversight for Area I and Area IV Landfills.

**City of Linden Sanitary Landfill**

In charge of landfill closure and post-closure activities for the City of Linden Sanitary Landfill in Linden, New Jersey, including design of the active landfill gas extraction and control system and enclosed flare, Quality Assurance services for the landfill closure activities including final landfill capping system, stormwater management system, preparation of Landfill Closure and Post-Closure Plans with environmental improvements which included a slurry wall and leachate collection system. The project also included the attainment of all applicable local and state permits. Directed construction oversight for the environmental improvements of the City of Linden Landfill. Mr. Turan assisted the City of Linden with the implementation of the New Jersey Environmental Justice ("EJ") Law requirements, including the public meetings, related to the City of Linden Sanitary Landfill Title V Permit renewal and installation of a new flare.

**BENEFICIAL REUSE OF FILL MATERIAL**

**Former Overpeck Landfill Areas, I, II, III, and IV**

Principal in charge and designated Review Engineer for imported beneficial reuse material used as part of the implementation of the Closure Plan and Redevelopment of the Overpeck Park Landfill Areas IV into a passive recreation park including Processed Dredged Materials (PDM) for capping the site and the import of clean tested soil for covering the PDM and supporting the proposed landscaping.

**Fill Acceptance Protocol Management**

Preparation & implementation of Fill Acceptance Protocols for acceptance of alternate fill materials to be used for daily and intermediate cover for CCIA, GCIA, and MCRC Landfills.

**City of Bayonne Landfill, Bayonne, NJ**

Principal in charge and designated Review Engineer for over 2 million cubic yards of imported beneficial reuse materials used for the final cover system of the Bayonne Golf Course Redevelopment Project including the Former PSE&G site and the City of Bayonne Landfill in Bayonne, New Jersey.

**SERA Site, Sayreville, NJ**

Providing review engineering services to the Sayreville Economic and Redevelopment Agency (SERA) for the acceptance of the imported fill materials (approximately 1 million CY) through the process of redeveloping over 400 acres of waterfront land into a prosperous mixed-use development consisting of residential, retail, office space, hotels, entertainment and recreation in Sayreville, NJ.

# MOHAMMAD R. ZAMAN, PhD, PE, LSRP, BCEE

## DIRECTOR OF ENVIRONMENTAL SERVICES



### EDUCATION/CERTIFICATIONS:

Ph.D. Envr. & Water Res. Engg. Texas Tech  
M.S. Envr. & Water Res. Engg. Texas Tech  
B.S. Civil Engg, BUET, Bangladesh

### PROFESSIONAL REGISTRATIONS:

Registered Professional Engineer: New Jersey  
(Lic. # 24GE04798000), PA, and NY

NJ Licensed Site Remediation Professional  
(LSRP Lic. # 575492)

NJDEP UST Certification Subsurface  
Evaluation, Closure & Testing (Lic. # 500383)

Licensed (N2) Industrial Wastewater  
Treatment System Operator (Lic. # 0022142)

OSHA 40-Hour HAZWOPER; OSHA 8-Hour  
Refresher HAZWOPER, 2016

Board Certified Environmental Engineer  
(BCEE) by American Academy of  
Environmental Engineers

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### GENERAL QUALIFICATIONS:

Dr. Zaman has more than 25 years of professional experience in providing technical and regulatory compliance services. He has provided LSRP services and issued Remedial Action Outcome (RAO) to bring closure to contaminated site. Dr. Zaman is experienced in planning and developing remedial strategies; evaluating and implementing innovative and emerging technologies; designing, specifying, commissioning, and operating state-of-the art wastewater and remediation/pollution control systems. He has extensive experience in soil and groundwater characterization, groundwater flow and contaminant fate & transport modeling, hydrologic/hydraulic modeling, stormwater management plan development, design and implementation of best management practices, detention & infiltration basin design and restoration, stream encroachment analysis, permitting, and floodplain delineation. Dr. Zaman has prepared and certified numerous Stormwater Pollution Prevention Plans (SPPP) and Spill Prevention, Control, and Countermeasure (SPCC) Plans and conducted compliance monitoring, inspection, and annual employee training services.

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### SUMMARY OF EXPERIENCE:

#### Stormwater Management and Permitting

Dr. Zaman has developed Stormwater Management Plans for numerous new subdivisions totaling more than 5000 units. Representative project experience includes the following:

#### Demolition of Aluminum Manufacturing Plant, Confidential Client, Maryland

Developed soil erosion and sediment control plan in compliance with the regulatory requirements for demolition of aluminum manufacturing facility on a 160-acre plus site. The pre-demolition site contained multiple chemical solution baths to facilitate cathodic reactions and detention and retention basins. The proposed post-demolition site contains graded lands ready for future developments.

#### Four Seasons at Wall, New Jersey

Developed soil erosion & sediment control and stormwater management plans for an active adult community new subdivision consisting of more than 400 single-family units, multiple condominium units, and a commercial complex consisting of a super market and a mini strip mall. The integrated stormwater management plan includes five (5) interconnected detention/retention basins. Extremely complex permitting process required state and federal approvals due to the presence of endangered species at the immediate downstream of the project site. Delineated 100-year floodplain and obtained stream encroachment permit.

#### Jasper Creek Feasibility Study and Rehabilitation, Newark, New Jersey

Conducted hydrologic and hydraulic analyses utilizing TR-20 and HEC-2 computer programs to identify the causes of frequent floods and drainage congestions within the watershed. Evaluated the existing conveyance capacity of the tidally influenced creek containing multiple bridges/culverts and tide gates and performed the alternative analysis to optimize the channel improvement costs.

#### Mahwah Honda Site Improvement, Mahwah, New Jersey

Located within the FEMA flood hazard zone, a portion of the site was subjected to frequent flooding problems. The site was divided by a long undersized



**MOHAMMAD R. ZAMAN, PhD, PE, LSRP, BCEE**  
**DIRECTOR OF ENVIRONMENTAL SERVICES**



pipe culvert. Conducted complex hydrologic and hydraulic analysis utilizing TR-20, HEC-2, and XP-SWWM models to design an underground flood storage vault and a replacement pipe culvert which was relocated along the perimeter of the property. The site was regarded to raise it above the 100-year flood elevation. Secured the NJDEP land use regulation permit and provided the client contact and construction management.

SPPP and SPCC Services

Dr. Zaman has prepared and certified SPPP and SPCC Plans for multiple facilities across Monmouth, Middlesex, Camden, and Cumberland counties. He has also conducted SPPP and SPCC site inspections and training for Monmouth, Cumberland, and Union County employees.

Selected LSRP Services:

Estate of George Coe III, Middletown, NJ, PI#213994

Soil contamination was identified during the due diligence process in a wetland area. Horizontal and vertical delineations of the contaminant of concerns including PAHs and arsenic were completed. Approximately 1000 tons contaminated soil was excavated and properly disposed offsite, and the disturbed wetland was restored in compliance with the approved NJDEP permit guidelines. An unrestricted use AOC-Specific RAO was issued.

Millburn Former Exxon Service Station, Essex County, NJ, PI#008979

Soil and groundwater contamination was identified during the historical decommissioning of seven (7) underground storage tanks at a gasoline service station. The township of Millburn retained Dr. Zaman to complete the horizontal and vertical delineations of the contamination and implement cost-effective remedial measures utilizing Epson Salt to augment sulfate concentration for Enhanced Anaerobic Bioremediation (EAB).

Remedial Design and Engineering, and Ground Water Modeling:

Responsible for planning and developing remedial strategies; evaluating innovative and emerging technologies; designing, commissioning, and operating state-of-the art remediation/pollution control systems.

The following is a brief description of some of the relevant projects:

Remedial Design for the Former Manufactured Gas Plant (MGP) Site, Jersey City, New Jersey

Developed remedial design for hydraulic containments, extractions, and treatments of organic and inorganic contaminants including Dense Non-Aqueous Phase Liquids (DNAPL), dissolved organics, ammonia, and metals. Historically, the property was occupied by a former coal gasification or manufactured gas plant (MGP site), rail yards, warehousing and shipping docks, and in later years, a former gasoline service

Hercules Chemical Company, Inc., Passaic, NJ: Underground Storage Tanks (USTs) Closure

Provided professional engineering services to decommission eleven USTs of various sizes ranging from 1500 gallons to 5000 gallons. These USTs were located inside an active manufacturing building.

Remedial Design and Implementation for Sulfuric Acid Spill Site, Linden, New Jersey

Designed and implemented fast-track emergency remedial measures to restore low pH impacted soil and groundwater emanated from the spill of 98% sulfuric acid. Designed and installed the subsurface alkaline leach bed, groundwater extraction/neutralization/reinjection system to restore the impacted soil and groundwater within a severely limited physically constrained area. Dr. Zaman obtained expeditious approvals for the NJDEP coastal land use and discharge to groundwater permit-by-rule authorizations for fast-track implementation of the remedial measures.

Remedial Action for Chlorinated Volatile Organic Compounds in Groundwater, Roselle, New Jersey

The objective of the remediation activities for this site was to identify, delineate and remediate contaminants of concern to the applicable remediation standards. The targeted contaminants of concern for groundwater encompass chlorinated volatile organic compounds (CVOC) tetrachloroethene (PCE), trichloroethene (TCE) and breakdown daughter product cis-1,2-dichloroethene (cis-DCE). In-Situ Reduction (ISR) utilizing Emulsified Vegetable Oil (EVO) was selected as the most appropriate technology for CVOCs in groundwater for the Site.

# SURESH PUPPALA, PhD, PE, LSRP

## PROGRAM MANAGER



### EDUCATION/CERTIFICATIONS:

New Jersey Institute of Technology,  
PhD in Civil Engineering (1993 – 1998)  
New Jersey Institute of Technology,  
MS in Environmental Engineering (1991 – 1993)  
Osmania University, Hyderabad,  
BS in Civil Engineering (1987-1991)

New Jersey Professional Engineer License No.  
24GE04315300

New Jersey LSRP License No. 590707

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### GENERAL EXPERIENCE:

Suresh Puppala has over 20 years of experience in environmental engineering. His experience spans the gamut from academic research to consulting engineering services associated with characterization and remediation of impacted soil/groundwater. He has managed several projects whose assessed values ranged from a few thousand to multi-million dollars. His remediation experience included implementation of several traditional and innovative in-situ remediation technologies at pilot scale (lab/field) and full scale (e.g., pneumatic fracturing, soil vapor extraction, enhanced natural attenuation, etc.).

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### REPRESENTATIVE PROJECTS:

#### Carteret Landfill Redevelopment, Carteret, NJ:

Managed various environmental aspects (during the final stages) of a landfill closure and redevelopment (construction of 1,250,000 sf of warehousing facilities) funded by the New Jersey Environmental Infrastructure Trust. Specifically, communicated /negotiated with New Jersey Department of Environmental Protection as needed; overseeing site grading operations, landfill capping soil quality control and placement; approved subcontractor submittals associated with installation of leachate collection/treatment system, landfill gas collection system, temporary and permanent landfill gas flares; analyzed compliance of the landfill gas extraction system with the NJDEP air permit requirements (i.e., flare sizing analysis to ensure emissions comply with the air permit, type of control/safety devices to be utilized, etc.); evaluated landfill gas detection systems for building interiors; prepared and submitted monthly progress reports and a Landfill Closure Report to the Northwest Bergen County Utilities Authority.

#### Whippany Landfill, Whippany, NJ:

Managed O&M activities associated with a closed landfill adjacent to an active logistics center. Specifically, ensured compliance with the NJDEP air permit; negotiated with NJDEP modifications to the air permit (elimination of

activated carbon control units etc.); prepared RADIUS submittals to NJDEP to modify air permit; managed emissions compliance sampling/reporting, landfill gas monitoring and facility inspection and groundwater compliance sampling.

#### Municipal Complex, Washington Township, NJ:

Managed the characterization of soil and groundwater impacts associated with a petroleum discharge from an underground storage tank. The project was complicated by litigation (cancer patient), commingling plume for different entities and local pumping influences of nearby domestic wells. Several nested monitoring wells within the overburden and bedrock were installed. Oriented rock cores were obtained, borehole flow-meter tests were conducted to facilitate contaminant fate and transport analysis.

#### Former Dry-Cleaning Facility, Spring Lake, NJ:

Managed the characterization and remedial alternatives analysis of free-phase, soil and groundwater impacts. The groundwater impacts extended several hundred feet down-gradient of the source area and were a potential indoor air quality concern for several residences in the vicinity. The investigation was complicated by the local geology (comprising of alternating clay and sand strata) and the depth (~ 100 ft bgs) to which the groundwater impacts extended.

The characterization of the site included collection of tens of soil, groundwater and indoor air samples. The samples were collected from temporary borings and several nested monitoring wells. Extent of free-phase was delineated based on partitioning of amounts of PCE in collocated soil and groundwater samples collected based on the results of a Membrane Interface Probe (MIP) investigation. Remedial alternatives analysis included bench-scale testing by a subcontractor to evaluate the feasibility of addressing the impacts utilizing enhanced natural attenuation techniques. Indoor air quality impacts on-site and in one residence down-gradient were alleviated by installing a sub-slab depressurization system.

#### Former Keystone Metal Finishers, Secaucus, NJ:

Managed the remediation of chlorinated volatile organic compounds impacting the groundwater. Enhanced natural attenuation techniques were utilized and involved injection of amendments (HRC). The amendments injection was completed at several hundred boring locations within a grid on-site and off-site. Managed collection of indoor air quality samples from homes located down-gradient of the site and related community outreach.

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# JAMES SOUSA, PhD, LSRP PROGRAM MANAGER



## EDUCATION/CERTIFICATIONS:

Ph.D. Geosciences: Penn State University (1996)

M.S. Geology: Penn State University (1989)

B.S. Geophysics: Lehigh University (1985)

Licensed Site Remediation Professional in New Jersey (LSRP No. 586573)

Certified Subsurface Evaluator in New Jersey (License No. 216355)

OSHA 40-hour HAZWOPER Training Certification

OSHA 8-hour HAZWOPER Refresher

## TRAINING:

Regulatory Training in Underground Storage Tanks

Innovative Technologies for Site Remediation

Applied Soil Science for Remediation of Contaminated Soil

Contaminated Fractured Rock Hydrogeology and Geophysics

Groundwater in Fractured Bedrock

Ecological Risk Assessments

Methodology of Delineating Wetlands

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## GENERAL DESCRIPTION OF EXPERIENCE:

Dr. Sousa is a Project Manager and Geologist with 25 years professional experience in environmental remediation and groundwater assessments. He is experienced in regulatory compliance for contaminated sites including soil and groundwater investigations, brownfield remediation, contaminant modeling, and ecological evaluations. Dr. Sousa has managed all phases of remedial projects, ranging from preliminary assessments and remedial investigations to implementation of remedial actions and post-remedial monitoring. He also works on land use evaluation and groundwater supply projects.

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## SITE REMEDIATION FOR BROWNFIELDS

### REDEVELOPMENT:

- Site characterization and Conceptual Site Models.
- Managed remedial investigations and remedial actions at contaminated sites and brownfield redevelopment projects.
- Underground storage tank closure and remediation.
- Design and implementation of contaminated soil and groundwater investigations.
- Preparation of Remedial Investigation Reports and Remedial Action Reports.

- Remedial alternatives analysis and design and implementation of Remedial Action Workplans for contaminated soil and groundwater.
- Design and implementation of In-Situ Chemical Oxidation treatment for soil and groundwater contamination.
- Sediment and surface water investigations. Baseline ecological screening.
- Bedrock investigations and fracture assessment.
- Groundwater plume assessment and modeling.
- Groundwater and surface water monitoring plans.
- Soil gas and vapor intrusion investigations.
- Receptor evaluations.
- Regulatory compliance for residential, industrial, and recreation sites.
- Applications for New Jersey HDSRF and EPA Brownfield Remediation grants.

## ENVIRONMENTAL SITE ASSESSMENT AND INVESTIGATION:

- Phase I and Phase II investigations of industrial, commercial, and agricultural sites.
- Managed and conducted environmental investigations of contaminated commercial and industrial sites, including workplan preparation, geological characterization, soil borings, well installations, gas probe installations, and sampling of soil, groundwater, sediment, and surface water.
- Environmental contamination screening for wetland mitigation projects.

## HYDROGEOLOGY

- Well installations, aquifer pump test and step test analyses, evaluation of aquifer parameters, well efficiency, sustainable yield, and zone of influence.
- Groundwater modeling using BIOPLUME, BIOCHLOR, AT123D, and MODFLOW.
- Preparation of water allocation permit applications and hydrogeologic reports for municipal groundwater supply systems.

## LAND USE EVALUATIONS:

- Freshwater and coastal wetland delineations in accordance with Federal and New Jersey regulations. Applications for regulatory wetland boundary verification and wetland and flood hazard area permits.
- Environmental impact statements for proposed transportation and commercial and residential development projects.
- Land use assessments for open space acquisition.



# MANAL BABA, LSRP PROGRAM MANAGER



## EDUCATION/CERTIFICATIONS:

International Institute for Infrastructural Hydraulic and Environmental Engineering (IHE), Delft, Netherlands, MS, Groundwater Engineering, 1995

Birzeit University, BS Civil Engineering, 1993

Licensed Site Remediation Professional, #585484

NDEP UST Subsurface Evaluator, License #196347

40-Hour OSHA Haz-Mat Certified OSHA 8-Hour Supervisory/Refresher Training American Red Cross

New Jersey Licensed Site Professional Association (LSRP) # 585484

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## SUMMARY OF EXPERIENCE:

Ms. Baba has over 20 years of experience in environmental engineering applications, specializing in investigation and remediation of soil and groundwater contamination and project management. She has performed numerous site and remedial investigations; field pilot studies; hydrogeologic fate and transport modeling analyses; design, implementation, and operation; and maintenance of remedial systems at various publicly and privately-owned facilities in New Jersey.

Ms. Baba has designed and implemented various treatment technologies at petroleum hydrocarbon contaminated sites, including high vacuum extraction/enhanced fluid recovery (HVE/EFR), soil vapor extraction (SVE), air sparging (AS), bio-sparging, bioslurping, and intrinsic bioremediation.

Ms. Baba has also managed environmental investigations, evaluated potential contaminant source areas, identified and assessed potential risks to receptors and developed risk management options. She has considerable leadership experience serving as field and office supervisor for a group of staff scientists and engineers. Her leadership experience also includes extensive communications with clients and building long-term business relationships, coordinating and managing subcontractors, large-scale cost estimating, long-term management of large development projects, and remedial design and implementation. She has prepared professional reports for public agencies and private developers, property owners, and other clients in New Jersey.

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## REPRESENTATIVE PROJECTS:

Fire House No. 4, Township of West Orange, NJ. Project Manager and LSRP responsible for conducting soil and groundwater investigations, oversight of monitoring well installations, vapor intrusion investigation, ecological evaluations, and selection of remedial actions and implementation.

Lindsley Avenue Bus Garage, Township of West Orange, NJ. Project Manager and LSRP responsible for conducting soil and groundwater investigations and selection of remedial actions. Provided guidance to field staff, contractors, supervised and reviewed sampling and technical reports. Based on the findings of free-phase product in few monitoring wells, a HVE was implemented, and the free-phase product was removed.

Bergen County Mosquito Control, Paramus, NJ. Project Manager and LSRP responsible for managing soil investigations associated with the proposed development of a new DPW facility and selection of the remedial action. Completed the remedial action and issued a Response Action Outcome (RAO).

Various Contaminated Sites, Elizabeth, NJ. Project Manager and LSRP that performed SI, RI, and vapor intrusion investigations; prepared Remedial Action Selection (RAS) and Remedial Action Work Plan (RAWP) reports; and implemented Remedial Action (RA) at various city-owned, contaminated sites; e.g., Water Utility Garage; City Yard; Mickey Walker; Annex Building, Marina; Fire Engines # 3, 5, 6, 7; Fire Headquarters; Masnicki Park; NJ Transit; the former Saxony Motel, Veterans Park etc. Responsibilities also included design and installations of SVE/AS and HVE/EFR remediation systems, enhanced bioremediation technology applications, excavation of impacted soil, and conducting long-term compliance monitoring at the various sites. Implementation of remedial actions was completed at some sites and RAOs were issued for the completed cleanup of soil and groundwater.

Municipal Building, Borough of Bergenfield, NJ. Project Manager and LSRP responsible for conducting soil and groundwater investigations, oversight of monitoring well installations, vapor intrusion investigation, sensitive receptor surveys and evaluations, ecological evaluations, and selection of remedial actions. A CEA for the plume under an MNAP was established. Upon implementation and completion of Remedial Actions, issued an RAO for the site.

Former Keystone Facility, Secaucus, NJ. Responsible for overall management and bedrock groundwater remedial investigations. Designed and implemented an in-situ bioremediation of chlorinated solvents. Tasks also included attendance at public meetings and a presentation to the public and local authorities.

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# STEPHEN MASTRIPOLITO, PE, LSRP

## PROGRAM MANAGER



### EDUCATION/CERTIFICATIONS:

B.S. Chemical Engineering, Rutgers University, NJ

### PROFESSIONAL REGISTRATIONS:

Professional Engineer: New Jersey (License # 24GE04733200)

NJ Licensed Site Remediation Professional (License# 747139)

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### TRAINING AND COURSES:

OSHA 40-hour and 8-hour Refresher;

OSHA Site Supervisor

First Aid, AED, and CPR Trained

NJDEP Flood Hazard Area Certificate

### PROFESSIONAL ASSOCIATIONS:

New Jersey Site Remediation Professionals Association (LSRPA)

Association of New Jersey Environmental Commissions (ANJEC)

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### GENERAL QUALIFICATIONS:

Mr. Mastripolito has over 20 years of experience implementing large scale and complex remediation projects, including managing the design and installation of soil, groundwater, and soil gas remediation systems. He served as the vapor intrusion lead with experience in investigation, mitigation, monitoring, and maintenance. He has been the LSRP of record for multiple sites in New Jersey and Engineer in Responsible Charge for engineering projects throughout the State. As a Project Manager, he has served as a key contact for interfacing corporate, facility, regulatory, subcontractors, and community stakeholder, and has been responsible for the selection, coordination, and management of subcontractors, cost estimating, and management of the scope, schedule, and budget for various remedial projects.

### SUMMARY OF EXPERIENCE:

#### Environmental Site Assessments – Municipal, County, and Industrial Clients

- Managed a portfolio of municipal and county environmental site assessments, including Phase I ESAs, and Preliminary Assessments to support grant funding for improvements, acquisition of properties for open space, and to advance investigation/remediation of the subject property.
- Managed a portfolio of twelve (12) township park properties undergoing improvements funded by NJDEP Green Acres program. Program included the completion of preliminary assessments at each park property and site investigations at select properties to support the Green Acres funding applications.
- Managed preliminary assessments at multiple public parks undergoing improvements funded by Monmouth County Municipal Open Space grants and NJDEP Green Acres program grants
- Completed multiple preliminary assessments of active/operational industrial facilities as required by ISRA (NJAC 7:26B), as well as to support shutdown and decommissioning of manufacturing facilities.

#### Site Remediation – Municipal/County, Real Estate Developers, Large Industrial, Petroleum, Pharmaceutical, and Manufacturing Clients

- Managed the investigation and remedial activities for multiple sites including cases within an active refinery in a 40- site retail petroleum portfolio.
- Prepared remedial designs contract documents including specifications, construction drawings, project schedules, and budgets for various remedial action programs, including in-situ remediations, excavation and off-site disposal, SVE/MPE systems, and decommissioning of industrial facilities.
- Conducted bid reviews, short-listed contractor interviews, and recommendation of contractor selection; equipment procurement; project coordination; documentation and inspection; and coordination with client and subcontractors.
- Provided engineering services during remediation projects including review of contractor submittals, contractor RFIs, issuance of RFI responses, and construction quality assurance. Performed on-site

## STEPHEN MASTRIPOLITO, PE, LSRP PROGRAM MANAGER



construction inspection and contract administration on remedial construction projects.

- Managed schedule and budget, coordinated subcontractors, and performed field oversight for multiple remedial phase projects.
- Designed and implemented field programs to evaluate volume of contaminated materials, including test trenching programs and sediment sampling at multiple sites throughout NJ. Prepared engineering drawings and calculations to delineate the extent of contaminated media.
- Managed the operations, maintenance, and sampling of over 30 point-of-entry treatment (POET) systems used to protect potable drinking water quality.
- Provided technical expertise to out-of-state clients and managers for navigating the requirements of the NJDEP SRRA.
- Managed remedial investigation programs of soil and ground water.
- Managed the design and installation of soil, groundwater, and soil gas remediation systems.
- Prepared multiple Preliminary Assessments, Site Investigation Reports, Remedial Investigation Reports, Remedial Action Work Plans, Remedial Action Reports, and Remedial Action Permit Applications to the NJDEP.
- Conducted remedial alternatives analysis and prepared feasibility and business case analyses of various remedial technologies. Supported remedial strategy development for multiple clients throughout NJ and NY.

### Underground Storage Tank Closures – Retail Petroleum, Pharmaceutical, and Industrial Clients

- Managed the engineering and environmental services associated with the closure of multiple underground storage tanks (USTs) and associated piping systems, including the closure and abandoning-in-place of a 20,000-gallon No. 2 fuel oil UST and the closure and abandoning-in-place of over 700 feet of UST piping.
- Oversaw the preparation of required permits, NJDEP forms and notifications, UST decommissioning plans, and site investigation/UST closure reports. Prepared bid procurement packages, including construction bid specifications and construction drawings.

- LSRP of record for the closure of multiple UST systems. Managed the UST closure sampling programs and contractor oversight/inspections. Prepared and maintained health and safety plans.

### Vapor Intrusion – Real-Estate Developers and Industrial Clients

- Designed and commissioned the installation of over 100 vapor intrusion mitigation systems in residential structures and commercial/industrial properties.
- Conducted vapor intrusion sampling at multiple residential, commercial, and industrial locations.
- Managed the O&M program including non-routine maintenance (repairs), routine maintenance (inspections), and preventive maintenance of over 250 mitigation systems. Coordinated repairs, customer service calls, and system upgrades with field installation teams.

### Permitting and Compliance

- Prepared and oversaw the development and submittal of Soil Erosion and Sediment Control (SESC) Plan Certifications. SESC Plan certifications were developed for a variety of soil remediation projects in various Soil Conservation Districts throughout NJ. Engineer-of-Record for SESC Plans.
- Prepared and oversaw the development and submittal of NJDEP Division of Land Use Regulation Permits, including individual Flood Hazard Area Permits, and Freshwater Wetlands general permits for remediation and landfill closure projects.
- Project Manager for the development of Discharge Prevention Containment and Countermeasure (DPCC) and Discharge Cleanup and Removal (DCR) plans for multiple manufacturing facilities.
- Project Manager for development and submittal of a Storm Water Pollution Prevention Plans (SWPPP) and Industrial Stormwater Permits. Conducted inspections of facilities to verify compliance with the approved SWPPP.
- Prepared permit renewal application packages for New Jersey Pollution Discharge Elimination System (NJPDES) surface water discharge permit for the treated effluent of remediation systems.

# **ZAHID SIDDIQUI, PE, CFM**

## **PROGRAM MANAGER**



### EDUCATION/CERTIFICATIONS:

M.S., Environmental Engineering - 1994

B.S., Civil Engineering - 1989

B.Sc., Biological Sciences - 1985

Professional Engineer, State of New Jersey

Professional Engineer, Commonwealth of Virginia

ASFPM Certified Floodplain Manager

OSHA HAZWOPER Certified

### PUBLICATIONS AND PRESENTATIONS:

Landfill Siting Using GIS – A Demonstration. Published in ASCE Journal of Environmental Engineering, June 1996.

Flood Resiliency Study for Swan Creek, Lambertville, NJ – Presented at New Jersey Flood Plain Managers Conference, October 2017.

Flood Mitigation Strategies for Highly Urbanized Areas– A Case Study of Lister Avenue, Newark, NJ. Presented at New Jersey Flood Plain Managers Conference, October 2016.

Stormwater Management & Infrastructure Improvement. Presented at the New Jersey Conference of Mayors, 60th Annual Spring Conference, May 2025.

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### GENERAL EXPERIENCE:

Mr. Siddiqui has over 28 years of experience in Landfill Engineering, site planning and development, surface water hydrology and hydrodynamic modeling, stormwater management, and green infrastructure. He is a licensed professional engineer in New Jersey and Virginia, and is a certified floodplain manager.

Mr. Siddiqui is versed in the modeling of the hydrologic and hydraulic processes. He has prepared many small and large-scale hydrologic and hydraulic studies. Mr. Siddiqui has designed stormwater management facilities for numerous sites to meet water quality, recharge, runoff, and non-structural management standards. He has managed numerous site design projects and is well-versed in design standards and permitting requirements of various local, state, and federal agencies for site development. He has also prepared master plans, engineering feasibility studies, and yield analyses for various commercial and residential development projects.

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### SUMMARY OF EXPERIENCE:

#### SELECT HYDROLOGY AND HYDRAULIC EXPERIENCE:

J.F.K. International Airport Near and Far Term Master Planning, Port Authority, NY: Prepared a stormwater master planning study for J.F.K. Airport, assessing the facility's near-

term (the target year 2055) and far-term (the target year 2085) needs, based on the impact of regional climatic changes and planned expansion of airport services.

Coastal Texas Protection and Restoration Feasibility Study, Galveston County, Texas: Prepared a storm hardening study for the USACE Galveston District after Hurricane Harvey hit this area in 2017. The study developed flooding models for the region during 500-year to 1,000-year storm events and prepared conceptual storm hardening schemes for the City of Galveston, areas surrounding Clear Creek, and Dickinson Bayou.

Nuisance Flooding, Borough of Stone Harbor, NJ: Low-lying areas of Stone Harbor were experiencing nuisance flooding from rain events and high tides. Developed a hybrid 1D-2D hydrodynamic model that incorporated drainage piping, street overflows, and tidal fluctuations to evaluate existing infrastructure and develop remediation options.

Swan Creek Flood Resiliency Project, Lambertville: Swan Creek neighborhood is frequently flooded when the Delaware River is at a high stage, and water backs up into Swan Creek. An HEC-RAS hydraulic model was used to study the problem and recommend options.

Halls Mill Road Widening and Stream Crossings, Monmouth County, NJ: Roadway improvements along Halls Mill Road between U.S. Route 33/U.S. Route 9, a stretch of approximately 1.5 miles. Work included modifications of two stream crossings, the design of stormwater conveyance and management systems along the road, and obtaining NJDEP FHA Permits. The design included a green infrastructure for water quality treatment. A bioretention swale in the central median area was used to treat the stormwater runoff from roadway pavement.

Stream relocation, Mingo County, WV: Performed an H&H study for the relocation of a Wolfpen Fork tributary, designed the relocated stream, and obtained a permit thru WVDEP. The relocation was performed to accommodate the expansion of coal mining operations at Cam Mining Property.

Roadway/Stream Crossings for PennEast Pipeline, NJ and PA: PennEast Pipeline Company is proposing to build a 36-inch diameter, 120 miles-long Natural Gas pipeline from Luzerne County in Pennsylvania to Mercer County in New Jersey. This pipeline required many access roads that crossed many streams along its way. To support this project, prepared hydrologic and hydraulic studies for various planned stream crossings.

Streambank Stabilization, Overpeck Park, Bergen County, NJ: Developed streambank stabilization measures for Overpeck Lake as part of Rowing Track development and landfill closure activities at Overpeck Park.

Floodplain and Floodway Delineations, Encroachment Analyses: Prepared a number of hydrologic and hydraulic studies for FEMA, NJDEP, and PADEP to establish regulatory



## ZAHD SIDDQUI, PE, CFM PROGRAM MANAGER



floodplains, floodways, and encroachment limits along various streams.

Franklinville Lake Dam, Franklinville, NJ: Franklinville Dam is a Class I High Hazard Dam that impounds approximately 56 ac-ft of water along Little Ease Run and forms the reservoir known as Franklinville Lake. Performed a Dam break analysis using HEC-RAS 2D platform and developed inundation mapping and emergency action plans for the Dam.

Lenape Park Dam Break Study, Union County, NJ: Prepared a Dam Break/Dam Classification study for Lenape Park Dam on Rahway River. The Dam has a drainage area of approximately 32 square miles and can pond approximately 2,000 acre-ft of water behind it. The study used a two-dimensional modeling approach using the HEC-RAS 5.1 2D platform.

Stormwater Management Designs: Prepared numerous stormwater management and drainage designs for site/civil, road infrastructure, environmental, and ecological restoration projects in many states.

Stormwater Design Reviews: Perform stormwater management design reviews for various townships.

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### SELECT SITE PLANNING EXPERIENCE:

Managed design development and permitting for a range of commercial and residential developments. The design tasks included preparing site layouts, grading, drainage, water and sewer utility, lighting, landscaping, stormwater management, and erosion control plans. The permitting tasks included Township Approvals, County Approvals, D&R Canal Commission Approvals, NJDEP Flood Hazard Area permits, NJDEP Wetlands permits, NJDEP Treatment Work Approvals, NJDEP Watermain Extension Permits, and regional soils district approvals. The types of projects included the following:

- |                           |                         |
|---------------------------|-------------------------|
| •Residential subdivisions | •Retail Establishments  |
| •Corporate Campuses       | •Religious Institutions |
| •Schools                  | •Public Parks           |
| •Warehouses               | •Athletic Tracks        |
| •Mixed-use Developments   | •Community College      |
| •Fast Food Restaurants    | Campuses                |
| •Hotels                   | •Sports fields          |
| •Pharmaceutical Campuses  | •Concrete Mix Plant     |
|                           | •Golf courses           |

### SELECT SOLID WASTE LANDFILL EXPERIENCE:

Designed a number of state-of-the-art new Municipal Solid Waste landfills. The projects included site selection studies, geological mapping, groundwater, and stormwater modeling, modeling of gas generation rates, seismic stability analysis, scheduling construction activities and design of the liner and capping systems, leachate collection and disposal systems,

design of stormwater management system, and gas collection and venting system.

Edgeboro Landfill, East Brunswick, NJ: Developed construction plans for containment and leachate collection systems.

MCUA Landfill, East Brunswick, NJ: Designs and permitting of vertical expansion. Design and construction plans for the installation of rain cover on landfill slopes.

Gloucester County Landfill, South Harrison, NJ: On-site leachate forcemain improvements and leachate pump station.

Cumberland County Landfill, Deerfield, NJ: side slope restoration, landfill gas header installation, and site-wide improvement.

Jersey Gardens Mall, Elizabeth, NJ: Developed construction plans for capping and environmental control plans for the Elizabeth landfill that led to the development of Jersey Gardens Mall.

Bayonne Golf Course, Elizabeth, NJ: Developed construction plans for fill, stormwater management, capping, and environmental control plans for Bayonne Golf Course.

C.A.R.D.S. Waste Transfer Station, Little Rock, AR: Design of new 6,000 SF Waste Transfer Station.

Casablanca Landfill, Casablanca, Morocco: Performed Seismic Stability Analysis to optimize landfill mound.

City of Fes Landfill, City of Safi Landfill, City of Gabes Landfill, City of Sidi Bouzid Landfill, Morocco: Developed design and construction plans for new municipal landfills.

City of Dierba Landfill, City of Gafsa Landfill, City of Kairouan Landfill, City of Kebili Landfill, City of Medenine Landfill, City of Tataouine Landfill, City of Tozeur Landfill, Tunisia: Developed design and construction plans for new municipal landfills.

City of Sidi Abdellah Landfill, Algeria: Developed design and construction plans for new municipal landfills.

City of Abidjan Landfill, Ivory Coast: Developed design and construction plans for a new municipal landfill.



# ERIC R. SNEE, LSRP SENIOR SCIENTIST



## EDUCATION:

B.S. Environmental Science, Drexel University

## PROFESSIONAL REGISTRATIONS:

NJ Licensed Site Remediation Professional (LSRP License No. 668739)

Certified Subsurface Evaluator (NJDEP, License No. 492017)

## TRAINING AND COURSES:

OSHA 40-hour HAZWOPER (29 CFR 1910.120) Training Certification

OSHA 8-hour HAZWOPER Refresher (completed annually)

First Aid, AED, and CPR Trained

Regulatory Training in Underground Storage Tanks

Combining Engineered Contaminant Source Area Treatment Technologies

Groundwater in Fractured Bedrock

Site Characterization for In-Situ Remediation

NJDEP Case Study Training for LSRPs

Environmental Statistics for LSRPs

Wetland Delineator Program (Rutgers University)

New Approaches in Remediation of Contaminated Sediments

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## GENERAL QUALIFICATIONS:

Mr. Snee has over 20 years of professional experience implementing environmental assessment, site remediation, and land use evaluation projects. He has extensive experience in regulatory compliance to reduce environmental liabilities in a cost effective, technically sound manner. Mr. Snee works on all phases of remedial projects including preliminary assessments, site/remedial investigations, remedial actions, and post-remedial monitoring. He is also involved in environmental compliance oversight for construction projects.

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## SUMMARY OF EXPERIENCE:

### ENVIRONMENTAL SITE ASSESSMENT AND INVESTIGATION:

- Managed and conducted Preliminary Assessments and Phase I ESAs for industrial, commercial, agricultural, residential, and open space properties and child care facilities throughout New Jersey.
- Managed and conducted site and remedial investigations at industrial, commercial, agricultural, residential, and open space properties throughout New Jersey.

- Design and implementation of natural background investigations including field sampling program, data evaluation and statistical analyses, and report preparation.
- Environmental contamination screening for wetland mitigation projects.
- Managed and oversaw remediation for institutional, industrial, commercial, and residential underground storage tank (UST) removals including soil, groundwater, and vapor intrusion investigations and preparation of site investigation/UST closure reports.
- Design and implementation of characterization/evaluation of soil, dredged material, and recycled concrete for potential beneficial reuse.

### SITE REMEDIATION AND BROWNFIELDS REDEVELOPMENT:

- Site characterization and receptor evaluations.
- Underground storage tank (UST) closure and remediation.
- Development of Health and Safety Plans (HASPs) and Quality Assurance Project Plans (QAPPs).
- Preparation of Remedial Investigation and Remedial Action Reports.
- Design and implementation of remedial action workplans including analysis of remedial alternatives.
- Design and implementation of investigations and remedial actions at contaminated commercial and industrial sites throughout New Jersey, including workplan and report preparation, soil boring and well installations, gas probe installations, UST excavations, and sampling of soil, groundwater, sediment, surface water, soil-gas, and indoor air.
- Conducted environmental assessments and investigations and prepared final reports for Linear Construction Projects throughout New Jersey.
- Sediment and surface water investigations. Baseline ecological evaluations.
- Groundwater plume assessment and modeling
- Soil gas and vapor intrusion investigations.
- Regulatory compliance for residential, commercial, industrial, and institutional sites.

### LAND USE EVALUATIONS:

- Review conformance of planning/zoning board applications to all applicable rules and regulations. Advise respective Board of any environmental impacts of proposed development.
  - Wetland delineations in accordance with Federal and New Jersey regulations. Applications for regulatory wetland boundary verification, general permits, and individual permits.
  - Implementation of landfill gas monitoring, cover verification, and maintenance inspections, and preparation of quarterly reports for several 'legacy' landfills in New Jersey.
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# **SALIH KOKOL, CSE SENIOR SCIENTIST**



## EDUCATION/CERTIFICATIONS:

B.A., Geology, City University of New York, Queens College, NYC, NY, 1983

M.A. Candidate., Hydrogeology and Geo-Chemistry, City University of New York, Brooklyn College, New York, NY

Licensed Subsurface Evaluator, #0011795, State of New Jersey

Licensed N-2 Industrial Wastewater Operator, #0005765, State of New Jersey

OSHA Rule 1910.120 Training: 40-Hour Health & Safety Course

## MEMBERSHIP AND AFFILIATIONS:

Geologic Society of America

National Groundwater Association

## GENERAL EXPERIENCE:

Mr. Kokol has more than thirty (30) years of professional experience in the environmental consulting industry. Mr. Kokol's expertise includes investigating underground storage tanks, subsurface releases of LNAPL and DNAPL compounds, performing environmental site assessments, site remediation, geotechnical investigations, site investigations, remedial investigations, Phase I and Phase II investigations, and maintaining regulatory interface. He has extensive experience conducting soil, groundwater, surface water, and vapor intrusion investigations, receptor evaluations, and remedial projects at military facilities, landfills, refineries, industrial, commercial, and residential properties contaminated by petroleum hydrocarbons, MGP, chlorinated solvents, heavy metals, and PCBs.

Mr. Kokol has vast expertise in evaluating site conditions, assessing risks, and performing soil, groundwater, surface water, sediment, soil-gas, and indoor air sampling. His remedial expertise includes installation, operation and maintenance of SVE/Air Sparge Systems, Pump & Treat, Air stripping, and SVE w/Catalytic oxidizer, P&T w/chemical treatment and GAC filtration systems, steam injection, bio-remediation, chemical oxidation injections, groundwater and soil sampling, installation of monitoring and recovery wells, soil borings, and underground storage tank (UST) and soil excavation. Mr. Kokol is highly proficient conducting aquifer tests to evaluate hydrogeologic parameters and modeling groundwater flow. He has extensive experience in data management and various mapping and logging software to assess site-specific and regional geologic, hydrogeologic, and environmental conditions. Mr. Kokol maintains a working understanding of current NJDEP regulations including N.J.A.C. 7:26E (TRSR), N.J.A.C. 7:26C (ARRCS), N.J.A.C. 7:26B (ISRA), and N.J.A.C. 7:14B (UST) regulations as part of the licensing process.

## SUMMARY OF EXPERIENCE:

### Remedial Investigations:

- Investigated service stations, landfills, pipelines, terminals, Superfund sites, and government and industrial facilities and private residences.

- Designed and implemented more than 100 Remedial Investigation/Remedial Action Workplans

- Performed and supervised subsurface investigations, including environmental and geotechnical test borings, installation of monitoring wells, and collection of soil and ground water samples for contaminant plume delineation.

### UST Investigation, Removal and Closure:

- Investigated multiple UST leaks and installed numerous monitoring and recovery wells to delineate free-phase and soluble-phase contaminants along and across a major highway in New Jersey. Conducted aquifer testing and SVE testing for a proposed treatment and SVE system. Oversaw installation and operation of a pump-and-treat system, air stripping, and SVE (with catalytic oxidizer) system operation. All work was completed in compliance with NJDEP regulations.

- Assessed/investigated multiple UST leaks at various gasoline stations in Long Island and upstate New York. Delineated contaminant plumes across city streets; proposed system design for soluble-phase contamination; and conducted feasibility studies and aquifer tests for product recovery, ground water pump-and-treat, and SVE systems. Operated and evaluated numerous product recovery and ground water remediation systems (pump-and-treat, air stripping, and carbon filter), and complied with NYSDEC regulations.

### Soil and Ground Water Remediation:

- Evaluated, selected appropriate treatment technologies, and managed over 100 remediation projects involving the operation and maintenance (O&M) of remedial systems – including startups, routine site visits, compliance sampling and reporting, carbon change-outs, equipment maintenance, and troubleshooting.

- Commissioned more than 25 treatment plants.

- Implemented the O&M of an extraction system designed to establish hydraulic control within a landfill in New Jersey, while maintaining regulated discharge criteria.

- Provided general management, risk assessment, and feasibility services for proposed future remediation of subsurface petroleum release from a major pipeline in New Jersey. Coordinated and oversaw street and sidewalk drilling, aquifer testing, and ground water quality determination in immediate area of concern. Based on the findings, an ORC® injection grid was established and activity was conducted. Post-application testing indicated four-fold reduction of the contaminant concentrations...with resultant cost savings for client.

- Involved in the dewatering of a multi-layered aquifer in New Jersey to facilitate remediation of radioactive wastes. Participated in well design and pump test design.

# JACQUELYN FAGAN, CRP/SRMP SENIOR ENVIRONMENTAL SCIENTIST



## EDUCATION/CERTIFICATIONS

M.S Environmental Science and Policy  
Johns Hopkins University, Baltimore, MD (2022)

B.S. Environmental Science &  
Community & Regional Planning (dual-major)  
Temple University, Philadelphia, PA (2012)

N.J. Certified Recycling Professional &  
Sustainable Resource Mgmt. Professional  
Rutgers NJAES OCPE (2021)

OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
OSHA 8-hour HAZWOPER Refresher (Annually)

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## GENERAL EXPERIENCE:

Ms. Fagan is a Senior Environmental Scientist with over 10 years of experience in the environmental industry. Over the course of her career, Jacquelyn has worked on projects ranging from small residential improvements to large infrastructure and redevelopment projects. Her experience includes working primarily with public agencies, as well as private sector developers, in the bidding, planning and design, and construction phases of projects of various sizes and complexities. Jacquelyn has a diverse skillset, including broad knowledge of environmental policies and regulations that she regularly applies for regulatory compliance monitoring, reporting, and permitting projects.

Ms. Fagan's experience at CME includes but is not limited to maintaining compliance with the NJDEP Licensed Site Remediation Professional (LSRP) requirements for many contaminated sites and/or sites under investigation, field work and preparation of reports related to various phases of environmental investigations, analyzing and preparing GIS Data for NJDEP submittals and other environmental investigations, preparation of HDSRF grant and NJIB loan applications, preparation of proposals and project budgets, air permitting, and land use permitting. Key experience is highlighted, as follows:

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## KEY PROJECTS

- Provides Project Management for NJDOT 3-Year Term Site Remediation Contract, consisting of various NJDOT maintenance facilities in NJ.
- Prepare preliminary food waste market study utilizing GIS and facilitate Procurement Process (Development of RFQ/RFP) for a Public Private Partnership (P3) for Development of a Food Waste Recycling Facility at the Middlesex County Utilities Authority Landfill, including EJ Law consideration.
- Prepare "Technical Review of the Leachate Reintroduction to Sanitary Sewer Plan" in Connection with a Closed Landfill/Former Superfund Site in Monroe, NJ.
- Prepare "Review of the Existing Water Supply and Treatment Facilities" and associated GIS Analysis to evaluate extent of contamination from Superfund Site and

PFOAs emerging contaminants in Fair Lawn Borough's water supply and present several water treatment alternatives and costs.

- Prepare NEPA Environmental Assessment for Carteret Ferry Terminal

## PRELIMINARY ASSESSMENTS / PHASE I ESAs, SITE INVESTIGATION / PHASE II ESAs, REMEDIAL INVESTIGATION, REMEDIAL ACTION, & RESPONSE ACTION OUTCOME

- Various sites of varying complexity throughout NJ.

## ENVIRONMENTAL PERMITTING & COMPLIANCE

Ms. Fagan has performed various types of permitting and compliance for a myriad of diverse projects and sites, including:

- NEPA Environmental Reviews,
- NJDEP Air Permitting & Compliance Reporting,
- NJDEP Land Use Permitting,
- NJ Environmental Justice Law Compliance,
- NJDEP Water Allocation Permitting

## HAZARDOUS BUILDING MATERIALS ASSESSMENT / ABATEMENT

Ms. Fagan has managed the assessment and abatement of asbestos containing materials, lead based paint, PCBs, and universal hazardous wastes at various government facilities, including Union County, Sayreville Borough, and Bloomfield Township.

## FUNDING AND GRANT EXPERIENCE

Ms. Fagan prepares Hazardous Discharge Site Remediation Fund (HDSRF) grant applications for public entities performing environmental investigations and remediation. Ms. Fagan also prepared NJ Infrastructure Bank (NJIB) loan applications for various landfill improvement projects.

- HDSRF Application for Remediation at South River Firehouse Redevelopment Project
- HDSRF Application for Bridgeton "Former Tin Can" Site and Former Landfill.
- NJIB Loan Applications for landfill expansion projects including new Cells #13, 14, 15, and 16 at the Gloucester County Landfill
- NJIB Loan Application for Various Landfill Improvements at the Cumberland County Landfill

## BUSINESS DEVELOPMENT

Ms. Fagan prepares qualifications packages in response to public RFQs/RFPs, project-specific proposals, and project budgets for various kinds of environmental consulting work, including solid waste engineering projects, environmental assessment and remediation projects, municipal engineering and environmental consultancies, and environmental work integral to larger redevelopment projects.

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## EXPERIENCE:

Environmental Experience: 13 years

# JOSE R. BUSTAMANTE SENIOR GEOLOGIST



## EDUCATION/CERTIFICATIONS:

B.S. Geology, Mapua Institute of Technology,  
Manila, Philippines

## EXPERIENCE:

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|                                                                                |                |                             |
|--------------------------------------------------------------------------------|----------------|-----------------------------|
| Geologist (Philippines)                                                        | 2005 - Present | CME Associates - Geologist  |
| OSHA 40-hour and 8 -hour supervisor                                            | 2004 - 2005    | Key Tech - Technician       |
| Offshore Prospecting (Geology and Geophysics) for 8 months (Tokyo, Japan)      | 2001 - 2003    | URS - Geologist             |
| Geological and Geophysical Training (on the job) at Occidental Petroleum (OXY) | 1998 - 2001    | Dames and Moore - Geologist |

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## GENERAL EXPERIENCE:

- Perform oversight of environmental drilling and groundwater sampling for projects of government and private companies.
  - Perform Quality Assurance inspection at the Linden Landfill Closure, Linden, New Jersey.
  - Prepared field reports for NJDEP.
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## SUMMARY OF EXPERIENCE:

### Key Tech, Keyport, New Jersey

- Submitted on time laboratory results of physical tests of soil and aggregate samples for moisture-density, sieve analysis, permeability, liquid, plastic limit and organic content.
- Oversaw soil excavation and drilling, and conducted soil sampling.
- Conducted in-field testing of soils and asphalt pavement for compaction.
- Inspected rebar frame, forms, tested concrete and fabricated concrete cylinders.
- Prepared reports.

### URS, Cranford, New Jersey

- Participated in the assessment, investigation and remediation projects at the J.F. Kennedy International Airport, New York from 2000 to 2003.
- Oversaw auger drilling, geo-probe boring, hydro-punch groundwater sampling, well installation and development.
- Assisted on timely completion of quarterly groundwater sampling using dedicated in well systems, bailers, low-flow purging and documenting of about 400 monitoring and, extraction wells.
- Oversaw the operation and maintenance of soil vapor extraction (SVE) system.
- Conducted enhanced bioremediation treatment of contaminated soils.
- Conducted soil and groundwater sampling at a pharmaceutical facilities in central NJ.
- Assisted in groundwater sampling at an abandoned chemical facility and submitted reports.



# AUSTIN BAZUK

## ASSOCIATE PROJECT MANAGER



### EDUCATION/CERTIFICATIONS

Susquehanna University

Selinsgrove, PA

Bachelor of Earth and Environmental Science

Rutgers University for Continuing Professional Education Wetland Delineation Certificate, 2022

### GENERAL EXPERIENCE:

Mr. Bazuk Bazuk has experience in Environmental Regulatory Compliance with State and Federal regulations. His experience includes a wide variety of disciplines including those necessary to evaluate sites for feasibility from the standpoint of environmental regulations concerning freshwater wetlands, flood hazard areas, coastal wetlands, CAFRA, waterfront development, tidelands claims and stormwater management.

### BRIDGE/CULVERT EXPERIENCE:

- Marlboro Township: Improvements to Harbor Road  
Project entailed the preparation of flood hazard area and freshwater wetlands general permits for roadway improvements and the replacement of a culvert crossing a tributary of the Deep Run.
- Monmouth County: Improvements to County Route 3  
Project entailed the preparation of flood hazard area and freshwater wetland individual permits for reconstruction, widening, and realignment of several section of County Route 3.
- Bergen County: County Road Culvert  
Project entailed the preparation and submission of flood hazard area individual permit and a Freshwater wetlands general permit for the reconstruction of a culvert washed out by Hurricane Ida. The application submission was made to follow up an emergency permit submission.

### DETAILED EXPERIENCE:

- Union County: Groundwork Elizabeth Stream Enhancement  
Project involved the preparation and submission of freshwater wetlands and flood hazard area permits, as well as coordination with the Historic Preservation Office for the submission of an Application for Project Authorization.
- Brick Township: Mallard Point Park Improvements  
Project involved the preparation and submission of CAFRA, freshwater wetland, flood hazard area, and Army Corps of Engineers permit for beachfront park improvements.
- Holmdel Township: TABS Committee Bike Route  
Project involved an extensive wetland delineation to determine constraints for the proposed bike route.

- Lakewood Township: Sanitary Sewer Extension  
Project entailed the preparation of a CAFRA permit for an extensive linear MUA improvement project to extend the limits of the sanitary sewer line under major roads.
- Middlesex County: Improvements to CR 535 Washington Road  
Project entailed the preparation of a flood hazard area individual permit for the improvements to the intersection of CR 535 Washington Road and CR 675 Jernee Mill Road, MacArthur Avenue and Furman Avenue.
- Borough of Red Bank: Marine Park Parking Lot  
Project entailed the preparation of a CAFRA individual permit for the construction of a public parking lot for Marine Park, located along the Navesink River which is a Category 1 water.
- North Brunswick Township: Improvements to Evelyn Avenue  
Project entailed the preparation of a freshwater wetlands general permit for roadway and drainage improvements along Evelyn Avenue.

### VARIOUS ENGINEERING PROJECT TASKS

- Perform and review environmental regulations and impacts
- Conduct field investigations including wetland delineations and soil sampling
- Prepare environmental permit application to the NJDEP and US ARMY Corps of Engineers
- Coordinate assigned project elements
- Review and report on site plan/ subdivision applications
- Technical report writing and review

### EXPERIENCE:

Project Manager Experience: 5 years

# DREW G. LEWIS, P.E., P.P. PROFESSIONAL ENGINEER



## EDUCATION/CERTIFICATIONS:

Stevens Institute of Technology, Hoboken, NJ  
Bachelor of Engineering in Civil Engineering  
May 2011

Professional Engineer, New Jersey Board of  
Professional Engineers and Land Surveyors, June  
2018, Lic. No. 24GE05440000

Professional Planner, New Jersey Board of  
Professional Planners, June 2022, Lic. No.  
33LI00649600

OSHA 40-Hour HAZWOPER Supervisor Training/8-  
Hour Refresher/ 10-Hour OSHA Construction  
Training

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## WORK EXPERIENCE:

### February 2022 – Present

CME Associates  
Senior Professional Environmental Engineer,  
Environmental Services Division

### January 2021 – February 2022

Cornerstone Environmental Group / Tetra Tech, Inc.  
Project Manager II, Solid Waste – East Division

### March 2018 – January 2021

CME Associates  
Environmental Engineer III, Environmental Services Division

### April 2015 – March 2018

AKRF, Incorporated- Civil/Environmental Engineer,  
Hazardous Materials Department

### November 2012 – April 2015

TRC Environmental Corporation  
Engineer II, New Providence, NJ Remediation Office

### September 2011 – June 2012

Florida Department of Transportation (FDOT)  
Engineering Technician I, Tampa Construction Office

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## SUMMARY OF EXPERIENCE:

### Phase IX Lateral Landfill Expansion, Gloucester County Solid Waste Complex – South Harrison Twp., NJ (2018 – 2019)

- Drafted an Engineering Design Report to document and provide support for the Engineering Design Plans.
- Completed engineering calculations to optimize the expanded leachate collection system.
- Drafted an updated Environmental Impact Statement to supplement the design report.

### Cells 14, 15, and 16 Construction, Gloucester County Solid Waste Complex – South Harrison Twp., NJ (2018 – 2023)

- Served as Quality Control Engineer, providing professional engineering oversight of the cell construction.
- Reviewed and provided comment on Contractor submittals, geotechnical and geosynthetic conformance testing reports, interfacial shear requirements, daily construction reports, and final surveys (subgrade, liner systems).
- Attended project meetings, served as a liaison between the Engineer, the Contractor, and the Client, and drafted meeting minutes to detail discussions in the Pre-Bid, Pre-Construction, and Construction Progress Meetings.
- Facilitated interim inspections with representatives from the NJDEP Municipal Construction and Finance Element.
- Managed and collaborated with a team of four junior staff members to draft and provide quality control of reporting documents, including monthly progress reports and the Final Construction Completion Report.
- Drafted and reviewed Applications for Payment and Change Orders and provided comments to the Engineer of Record.

### Cell 15 and Cell 17/18 Design and Bid Phase Services, Gloucester County Solid Waste Complex – South Harrison Twp., NJ (2019 – 2020; 2024 - Present)

- Drafted Bid and Contract Specifications, including NJDEP/NJEIT forms, for NJDEP acceptance and final Bid acceptance.
- Drafted and updated project cost estimates for use in the Bid and Contract Phases.
- Participated in design and concept meetings with the Senior Project Manager, Engineer of Record, and design team.

### Landfill Closure/Post-Closure Care and Financial Plan Development, Various Landfill Sites, NJ (2018 – Present)

- Developed Closure and Post-Closure Financial Plans for several NJ landfill sites in collaboration with the Chief Engineer.
- Reviewed financial documents to estimate portfolio future worth and calculate proposed tipping fees to financially assure the closure and post-closure phases of each landfill site, in accordance with the NJ solid waste regulations.
- Used RS Means to develop extensive cost estimates, detailing closure costs and post closure operations and maintenance costs to maintain the landfill in accordance with the plan and the governing regulations.

### Gas Collection and Control System Improvements, Monmouth County Reclamation Center – Tinton Falls, NJ (2021)

- Provided project management services and document quality control related to the installation of improvements for a landfill gas control and collection system at the landfill.
- Coordinated with the owner and landfill operator to ensure that the project was completed in accordance with the contract documents.
- Conducted on-site meetings and progress inspections during the construction phase.

**DREW G. LEWIS, P.E., P.P.  
PROFESSIONAL ENGINEER**



- Organized and facilitated meetings with representatives of the owner, landfill operator, engineer, contractor, surveyor, and subcontractors.
- Completed review of daily inspection files and the Construction Certification Report.
- Coordinated with the surveyor and supervised completion of the as-built plans by the project team.

Design and Installation of a Leachate Pre- Treatment Facility, Riverview Land Preserve - Riverview, MI (2021 - 2022)

- Provided engineering services related to the design and installation of a leachate pretreatment facility capable of lowering effluent levels of PFAS in treated leachate, concluding with the preparation of a Request for Proposal (RFP) document.
- Assisted with document quality control, development of qualified proposer documents and forms, and participated in evaluating the proposed technologies.

Leachate Treatment Technology Study, [Confidential Client] (2021 - 2022)

- Assisted in the development of a technology review document for a sustainable infrastructure investment client which evaluated modern leachate treatment and minimization practices in the context of sustainability, response to emerging environmental initiatives and regulations, and economic viability.
- Provided technical background on landfill leachate, the state of the U.S. solid waste industry, emerging contaminants in leachate, leachate treatment and minimization practices, and information related to evaporation technologies.

Installation of an Exposed Geomembrane Cover, Salem County Landfill - Alloway Township, NJ (2021)

- Provided project management services and document quality control related to the installation of an exposed geomembrane cover at the landfill.
- Coordinated with the owner and contractor to ensure that the project was completed in accordance with the Contract Documents.
- Organized and facilitated meetings with representatives of the owner, engineer, contractor, subcontractors, and the New Jersey Department of Environmental Protection (NJDEP).
- Completed review of daily inspection files and drafted the Construction Certification Report.
- Assisted in managing contract closeout.

Quarterly Geotechnical Monitoring, Pennsauken Sanitary Landfill - Pennsauken, NJ (2021 - 2022)

Assisted in quarterly geotechnical monitoring related to the slope stability and settlement of the existing, operational landfill through use of data collected via horizontal inclinometers, magnetic extensometers, pneumatic piezometers, vertical inclinometers, and survey control benchmarks.

Odor Mitigation System Design and Bid Phase Services, Middlesex County Landfill – East Brunswick, NJ (2018 - 2019)

- Devised a multi-tiered plan to conduct odor related sampling for numerous airborne gases potentially contributing to local odor complaints, which included collaboration with multiple environmental laboratories and equipment vendors.
- Implemented and the sampling event with field staff at the active landfill site, serving in a project management role.
- Provided conclusions and recommendations from the odor study to the Engineer of Record, which was used to develop a conceptual plan for odor mitigation.
- Drafted the Bid and Contract Specifications for the construction and operation of an odor mitigation system at the landfill.

Remediation of Former Middlesex County Administration Building - New Brunswick, NJ (2020 - 2021)

- Provided revisions and comments to the existing Remedial Action Work Plan.
- Collaborated with the Senior Project Manager to develop an injection plan, to be included with the RAWP, which detailed a remedial strategy of using injections of sulfate-reducing chemicals to induce Enhanced In-Situ Bioremediation (EISB).
- Calculated materials required to complete the remediation and assisted in the development of the remediation plans.
- Drafted a Permit-by-Rule application to facilitate the selected remedy.

Remediation of Former Roosevelt Care Center - Edison, NJ (2018 - 2019)

- Acting as project coordinator, attended regular meetings with the Client, reviewed soil disposal documentation and daily field reports, collaborated with the field LSRP, and provided remedial construction QA/QC services.
- Drafted cost estimate and reviewed Contractor Applications for Payment and Change Orders.
- Drafted Contract Specifications, bid addendum, bid recommendation letter, and attended bid opening and Pre-Construction meetings.
- Reviewed and commented on Contractor submittals and made recommendations to the LSRP of Record.

9 DeKalb Avenue Site, Dec 2016, Phase I Environmental Site Assessment/ Commercial Redevelopment - Downtown Brooklyn, NY (2016 - 2017)

- Conducted a site visit to identify document conditions contributing to or constituting on property RECs.
  - Conducted site interviews with the development team and building engineer.
  - Inspected regulatory records
  - Completed a Phase I Environmental Site Assessment report to Summarize findings.
-

# DAVID FAUST, PE

## PROFESSIONAL ENGINEER



### EDUCATION/CERTIFICATIONS:

Master of Science, Geotechnical Engineering, New Jersey Institute of Technology, 2013

Bachelor of Science, Civil Engineering Drexel University, 2009

Professional Engineer, New Jersey - GE52260  
OSHA 40-hour Health and Safety Hazardous Waste Operations Training

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### GENERAL EXPERIENCE:

Mr. Faust has performed geotechnical field work, construction inspection, construction oversight and quality assurance at many sites with varying conditions for the last 16 years. Projects Mr. Faust has worked on include:

- Geotechnical evaluations for new and existing structures
  - Geotechnical field work
  - Site development
  - Stormwater management
  - Construction inspection
  - Quality assurance and quality control for excavation and construction projects
  - The operation of gas treatment/gas collection systems
  - Oversight of landfill cap programs, site remediation, and remedy review
  - Management and design for several geotechnical investigations for slope stability, foundations and environmental remediation
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### PROJECTS AND DESIGN WORK

- Pastore Landfill, Frenchtown, NJ: Design and oversight of capping and closure.
- Martin Aaron Superfund Site: Quality Assurance Field Officer; managed QA plan, vibration and movement monitoring, and the preparation of Remedial Action Work Plans and Reports. Coordinated with Remedial Designer and Construction Team.
- Underground Storage Tank Removal: Designed retaining wall and subsurface support systems for excavations. Oversaw construction and remediation for two large tanks containing tar sludge; managed vibration and movement monitoring, excavation near structures, and remediation beneath concrete block wall with surcharge and a railroad line.
- Shotcrete Program: Project Manager and Designer for a major shotcrete program; included micropiles (+ 125), rock anchors (+400), and shotcreting (+35,000 SF).
- Monitoring Wells Installation: Managed installation and logging of monitoring wells for site remediation.
- LNAPL/DNAPL Investigation: Led investigation into LNAPL and DNAPL in soil/bedrock; activities included soil and core sampling, GPR investigation, and well installation.

- Landfill Cap Repairs: Designed and oversaw repairs due to erosion events and slope failures.
- Storm Water Control Measures: Installed stormwater control systems (downchutes, swales, basins) for multiple sites, including landfills; fieldwork involved surveying, infiltration rate measurements, and flow assessments.
- Rock Anchors and Grouting: Managed projects involving rock anchor drilling and grouting.
- Retaining Wall Restoration: Resident Engineer for large restoration projects, including horizontal drilling, weep drains, grouting, and investigation.
- Contaminated Sediment Investigation: Oversaw utility investigation, drilling, sediment sample collection, and testing in Passaic River, NJ.
- Gas Collection/Treatment System: Operations Manager for Superfund landfill gas system; responsibilities included monthly fieldwork, flare testing, regulatory interface, and subcontractor management.
- Soil Removal Projects: Resident Engineer overseeing excavation and soil removal; responsibilities included pre- and post-construction surveys.
- Health and Safety Officer: On-site health and safety management for projects with known and unknown health hazards.
- Foundation Design: Designed foundation plans for new structures, including large excavation support systems (micropiles, grouting, underpinning).
- Slope Stability Analysis: Conducted analysis and modeling for slope stability, including seismic analysis and solution design.
- As-Built Development: Lead engineer for as-built development for gas treatment plant, retaining wall programs, and shored excavation.
- Gas Flare System Design: Project Engineer for new enclosed gas flare system; involved site plan development, permit acquisition, foundation analysis, control system coordination, and bid specification preparation.
- Soil Erosion and Sediment Control: Developed erosion and sediment control plans for diverse environments, including emergency repair of Superfund landfill and a facility near an environmentally sensitive water body.

### EXPERIENCE:

Engineering Experience: 16 years



# RAND P. PIANIN, P.E.

## ASSOCIATE PROFESSIONAL ENGINEER



### EDUCATION/CERTIFICATIONS:

Rutgers University, School of Engineering, B.S. in  
Bioenvironmental Engineering, 2013

Engineer-In-Training License No. EIT-02032

OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
Training Certification

OSHA 8-hour HAZWOPER Refresher (completed  
annually)

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### GENERAL EXPERIENCE:

Mr. Pianin has over ten (10) years of professional experience in the environmental consulting industry conducting investigations and remedial actions to reduce environmental liabilities in a cost effective, technically sound manner. Mr. Pianin has various experience in investigational and remedial design and reporting activities. His expertise includes preliminary assessments, remedial investigations, remedial actions, regulatory knowledge, and environmental related construction projects. Mr. Pianin has experience conducting soil, groundwater, surface water, sediment, and vapor intrusion investigations, receptor evaluations, and remedial projects at industrial, commercial, residential, agricultural, and open space properties contaminated by petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs. Mr. Pianin is proficient at assessing risks, and performing soil, groundwater, and sediment sampling. His remedial expertise includes in situ chemical oxidation and reduction, and underground storage tank (UST) and soil excavation. Mr. Pianin is proficient at modeling contaminant mass transport through air, soil, and groundwater. He has extensive experience in data management and Computer Aided Design software to assess site-specific and regional geologic, hydrogeologic, and environmental conditions. Mr. Pianin maintains a working understanding of current NJDEP regulations.

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### SUMMARY OF EXPERIENCE:

#### LSRP Program Experience

•Under supervision of Project Manager/Engineer, performed environmental and remedial investigations and remedial actions for industrial, commercial, agricultural, and open space properties throughout New Jersey, Pennsylvania, and New York. Prepared workplans, reports, drawings, forms, and designs in support of issuance of restricted and unrestricted Response Action Outcomes (RAOs).

#### Brownfields Redevelopment/Site Remediation

•Under supervision of Project Manager/Engineer, conducted environmental investigations and remedial actions at contaminated commercial and industrial sites throughout New Jersey including UST excavations and sampling of soil, groundwater, and sediment.

#### Environmental Assessments and Investigations

•Conducted Preliminary Assessments, Phase I ESAs, Site and Remedial Investigations, UST Investigations, and Remediation for industrial, commercial, agricultural, residential properties throughout New Jersey.

#### Land Use Evaluations

•Prepared regulatory Flood wetland boundary verification, general permits, and individual permits.  
•Conducted landfill gas monitoring, and assisted in preparation of quarterly reports for several 'legacy' landfills in New Jersey.

#### Air Quality

•Prepared permit and renewal applications for Soil-Vapor Extraction

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### EMPLOYMENT:

|                 |                                          |
|-----------------|------------------------------------------|
| 2014 to Present | CME Associates<br>Project Engineer       |
| 2013 to 2014    | MIG Consulting<br>Environmental Engineer |

# ASHLEY CASTILLO, E.I.T. ENVIRONMENTAL ENGINEER



## EDUCATION/CERTIFICATIONS:

Stevens Institute of Technology  
B.E., Environmental Engineering; 2015

OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
Training Certification

DOT Hazardous Material (49 CFR 172.704) Training  
Certification

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## GENERAL EXPERIENCE:

Ms. Castillo has been working at CME Associates as an Environmental Engineer since June 2015. Her experience includes field work in compliance with NJDEP Field Sampling Procedures Manual, data analysis, including landfill groundwater and stormwater monitoring program statistical analysis, Data Quality Assessments, and Data Usability Evaluations, and preparation of monthly engineer progress reports and several reports pertaining to landfill monitoring, design, and construction. She has processed numerous applications for soil/fill materials disposal, and is responsible for reviewing analytical data for facility acceptance specific to Gloucester County Solid Waste Complex, NL Industries Landfill, and Overpeck Park Landfill. As laboratory manager, she has maintained compliance/calibration records and performed adequate performance testing for the renewal of CME's laboratory and environmental measures certification. Ms. Castillo has experience with ChemStat and Sanitas statistical analysis software programs, as well as AutoCAD.

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## SUMMARY OF EXPERIENCE:

### EAI, Jersey City, NJ, Summer 2013 Environmental Engineering Intern

- Created submittals for various public-school construction sites (mostly Liquid Boot vapor intrusion, sub-slab depressurization systems, waterproofing systems, underground storage tank removal, etc.)
- Drew up structural, architectural and shop drawing in AutoCAD 2013
- Co-author with President Robert Carvalho for article on "Vapor Intrusion in New Jersey" published in Commerce magazine (August-Sept 2013)

### Solar Decathlon 2015, Stevens Institute of Technology, March 2014-August 2014 Undergraduate Team Member

- Research, brainstormed and designed Steven's new house concept for the competition
  - Responsible for Revit files on interior space, kitchen, bath, living area, dining room, etc.
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# JORDYN SYCZYNSKI, EIT ENVIRONMENTAL ENGINEER



## EDUCATION/CERTIFICATIONS:

B.E., Environmental Engineering  
University of Connecticut, School of Engineering, Storrs, CT  
(2017)

Engineer-In-Training, NJ, 2022 / Lic. # EIT-04494  
OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
OSHA 8-hour HAZWOPER Refresher (annually)

## PUBLICATIONS:

"Energy-positive wastewater treatment and desalination in an integrated microbial desalination cell (MDC)-microbial electrolysis cell (MEC)" Journal of Power Sources. Jan. 29, 2017 1-10.

## GENERAL QUALIFICATIONS:

Ms. Styczynski has been working at CME Associates as an Environmental Engineer since June 2017. Throughout her 5+ years experience, she has gained extensive knowledge of solid waste management services through designing various landfill system components, including but not limited to, new landfill cell constructions, landfill final closures and cappings, landfill vertical and/or lateral expansions, leachate collection & conveyance systems, and stormwater management systems, all while maintaining compliance with NJDEP Solid Waste Regulations, Best Management Practices Manual, and SESC Standards. Ms. Styczynski's experience primarily involves working with public agencies throughout the planning and design, bidding, and construction phases of projects related to solid waste facilities. She is proficient in AutoCAD Civil 3D, as well as various simulation models such as Autodesk Storm and Sanitary Analysis, Haestad PondPack, HELP, and HEC-RAS, required for landfill design.

## SUMMARY OF EXPERIENCE:

Ms. Styczynski's experience at CME includes but is not limited to maintaining compliance with the NJDEP Solid Waste Regulations for various landfill sites, preparation of Solid Waste Facility Permit Renewal applications, including minor and/or major modifications, preparation of design drawings and details, preparation of bid documents and technical specifications, and construction administration. Key experience is highlighted, as follows:

## KEY PROJECTS:

Middlesex County Landfill Solid Waste Facility Permit Renewal and Major Modification for Vertical Expansion, Middlesex County, NJ – May 2022

- Prepared the Solid Waste Facility (SWF) Permit Renewal and Major Modification Application, including the SWF Application Form, an assessment of MCUA's current practices to ensure compliance with the existing SWF Permit, a compilation of the landfill's ownership documents, and various site plans identifying environmental constraints and existing site conditions.
- Reviewed and updated the landfill's facility-wide Operations and Maintenance (O&M) Manual to be consistent with the ongoing landfilling operations.

- Reviewed and updated the landfill's Environmental Health Impact Statement (EHIS) to include an evaluation of the potential impacts of the proposed landfill vertical expansion.

Gloucester County Solid Waste Complex Solid Waste Facility Permit Major Modification for Phase IX Lateral Expansion, Gloucester County, NJ – August 2019

- Designed the final stormwater management system by utilizing stormwater simulation models to analyze pre-developed and post-development scenarios for water quality and quantity design criteria of proposed swales, downchutes, detention basins, and other stormwater structures.
- Prepared, ran and evaluated leachate generation simulation model, HELP, to determine the overall leachate conveyance system design criteria.
- Designed and prepared proposed grading plans for six (6) landfill cells, including cell subgrade, primary and secondary lining systems, pump stations, primary and secondary leachate collection systems, stormwater swales, and landfill access roads, utilizing AutoCAD Civil 3D.
- Designed and prepared the proposed final grading plan and geologic cross sections for the entire landfill and performed volume calculations to determine the proposed additional landfill capacity.

Gloucester County Solid Waste Complex Cell 16 Design, Bid, & Construction – March 2023

- Designed and prepared contract drawings related to the Cell 16 Construction involving the following: subgrade grading plan including stormwater management system (swales, culverts, erosion protection measures, etc.) and landfill access road, primary sand layer grading plan including the primary and secondary leachate collection systems, forcemain plan, soil erosion and sediment control plan, details, and notes, and details related to the landfill lining system, pump station, and leachate conveyance system details.
- Designed the proposed stormwater management system by utilizing stormwater simulation models to analyze pre-developed and post-development scenarios for water quality and quantity design criteria of proposed swales, downchutes, detention basins, and other stormwater structures.
- Designed the proposed primary and secondary leachate collection systems, including but not limited to primary and secondary landfill liners systems, pump station, and leachate forcemain.
- Prepared a construction cost estimate for the overall construction of Cell 16 by quantifying all construction cost elements based on the scope of work and utilizing RSMeans for accurate pricing.
- Prepared the final Cell 16 Construction bid package including contract documents, bid proposal form, scope of work, and technical specifications.
- Coordinated with the Contractor on shop drawing/RFI submittals, progress meetings, and progress schedules.

# KATRINA BRODECKI, EIT

## ENVIRONMENTAL ENGINEER



### EDUCATION/CERTIFICATIONS

Stevens Institute of Technology  
M.S., Sustainability Management; 2019  
Graduate Certificate, Env. Management; 2019  
B.E., Environmental Engineering; 2019  
Engineer-In-Training, NJ, License No. EIT-04156

### COURSE TRAINING:

OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
OSHA 8-hour HAZWOPER Refresher (annually)  
OSHA 10-hour Construction Safety and Health

### GENERAL EXPERIENCE:

Ms. Brodecki has been working at CME Associates as an Environmental Engineer since June 2019. Her experience includes site remediation and reporting work in compliance with NJDEP regulations, including Preliminary Assessments, Phase I ESAs, Site and Remedial Investigations, Receptor Evaluations, UST Investigations, and remediation for government, commercial, agricultural, and residential properties throughout New Jersey. She has compiled proposal packages for municipalities, counties and various governmental agencies, as well as worked with several solid waste facilities in New Jersey. Ms. Brodecki has experience working with AutoCAD Civil 3D.

### SUMMARY OF EXPERIENCE:

#### Site Remediation

- Prepared municipal and county environmental site assessments, including Phase I ESAs, and Preliminary Assessments to support grant funding for improvements, acquisition of properties for open space, and to advance investigation/remediation of the subject property.
- Prepared remedial designs and contract documents including construction drawings, contract specifications, project schedules, and engineering estimates for various remedial action programs, including in-situ remediation and excavation and off-site disposal.
- Conducted equipment procurement; project coordination; documentation and inspection; and coordination with subcontractors.
- Provided engineering services during remediation projects including review of contractor submittals, contractor RFIs, issuance of RFI responses, and construction quality assurance. Performed on-site construction inspection and contract administration on remedial construction projects.
- Performed field oversight for multiple remedial phase projects including geophysical investigation oversight, well installation, and the collection of soil samples.
- Prepared numerous Preliminary Assessments, Site Investigation Reports, Remedial Investigation Reports, Remedial Action Work Plans, Remedial Action Reports, and Remedial Action Permit Applications to the NJDEP.

- Conducted remedial alternatives analysis and prepared feasibility and business case analyses of various remedial technologies.
- Prepared biennial certifications for soil and groundwater, including conducting site inspections, to evaluate the protectiveness of remedies.
- Prepared numerous NJDEP forms and notifications including Public Notification, Receptor Evaluations, Potable Well Surveys, Classification Exception Area / Well Restriction Area Applications, Deed Notices, and Termination of Deed Notices.

#### Landfill Engineering Experience

- Prepared landfill closure and post-closure care plans for solid waste facilities, including biennial updates.
- Provided engineering services during landfill cell construction and landfill improvement projects including review of contractor submittals and construction quality assurance. Performed on-site construction inspection and contract administration.
- Prepared landfill disruption permit applications for site investigation and improvement work of landfill sites.
- Prepared the stormwater design calculations for the final closure of a landfill cell.
- Prepared a Freshwater Wetlands Statewide General Permit 5 Application for a county landfill.
- Oversaw the replacement of landfill scale house facilities and documented construction progress.

#### Funding & Grant Experience

Ms. Brodecki prepares Hazardous Discharge Site Remediation Fund (HDSRF) grant applications for public entities performing environmental investigations and remediation.

#### Litigation Support

- Assisted in preparation of an expert report and provided technical support for litigation concerning the landfill slope failure and fugitive gas emissions from the toe drain related to the design and construction of the Final Cover of Cells 1A and 1B at the Gloucester County Solid Waste Complex.
- Assisted in preparation of an expert report and provided technical support related to the potential impact of the State's taking on the solid waste facility operations of a transfer station/material recovery facility.

### BUSINESS DEVELOPMENT

Ms. Brodecki prepares qualification packages in response to public RFQs/RFPs, project-specific proposals, and project budgets for various kinds of environmental consulting work, including solid waste engineering projects, environmental assessment and remediation projects, municipal engineering and environmental consultancies, and environmental work integral to larger redevelopment projects.

### EXPERIENCE:

Environmental Engineering Experience: 6 years



# PRALENDRA SINGH, EIT GEOTECHNICAL ENGINEER



## EDUCATION/CERTIFICATIONS:

Master Degree of Civil Engineering, Southern Illinois University Carbondale, 2015, Geotechnical Major  
Bachelor Degree of Civil Engineering, KEC, Tribhuvan University, 2005, Structure Major  
Diploma of Civil Engineering, IOE, Tribhuvan University, 2000, Civil Engineering

Civil Engineer, Bangalamukhi Construction Pvt. Ltd., Lalitpur, Nepal (November 2004- April 2005)

- Quantity Estimation of Building Materials and other materials and preparation of BOQ
- Site-Supervision for the building and foundations and Quality Control

E.I.T, Drivers, Auto-CAD, Automated Geotechnical Testing Training, OSHA 40-Hour HAZWOPER

## GENERAL EXPERIENCE:

Mr. Singh has 7+ years' experience as a civil engineer.

## SUMMARY OF EXPERIENCE:

Geotechnical Design Engineer, CME Associates, Monmouth Junction, NJ (December 2016 – Present)

- Conduct subsurface explorations, prepare boring logs and subsurface profiles;
- Geotechnical analyses relative to soil/pile bearing capacity and their design;
- Settlement analyses of shallow and deep foundations;
- Preparation of AutoCAD drawings.

System Analyst, Saxon Global Inc., Irving, TX (August 2015 – May 2016)

- Collecting Data for in order to make maps
- Drawings maps of different terrains
- Analyzing the quality of maps

Graduate Research Assistant, Southern Illinois University Carbondale, IL (August 2012- December 2014)

- Instructor for CE 421 001 Foundation Design
- Researcher in "Resilient Modulus of Recycled Aggregates as Road Pavement Materials"

Consultant Engineer, CEDA Pvt. Ltd. & Creative Builders Group, Lalitpur, Nepal (April 2005 – July 2012)

- Structural Design of the Building structures, Raft, and Pile foundations
- Quantity Estimation of Building Materials and other materials and preparation of BOQ
- Site-Supervision for the building altogether including raft and pile foundations and Quality Controlling
- Architectural Design of Buildings using Auto-CAD as well as Structural drawing.
- Management of the work in site by preparing Materials, Work, and Labor Schedules
- Preparing and checking the report of work in progress, and billing

# CHRISTIAN KUTER

## LEAD SCIENTIST



### EDUCATION/CERTIFICATIONS:

Shippensburg University, College of Arts and Science, B.S.  
in Geoenvironmental Science, 2014

OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
Training Certification  
OSHA 8-hour HAZWOPER Refresher (completed  
annually)

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### GENERAL EXPERIENCE:

Mr. Kuter has over ten years of professional experience in the environmental consulting industry conducting investigations and remedial actions to reduce environmental liabilities in a cost effective, technically sound manner. Mr. Kuter has various experiences in investigation and remedial design and reporting activities. His expertise includes preliminary assessments, phase I ESA's, site investigations, remedial investigations, remedial actions, regulatory knowledge, and field data collection and interpretation. Mr. Kuter has experience conducting soil, groundwater, surface water, sediment, and vapor intrusion investigations, receptor evaluations, and remedial projects at industrial, commercial, residential, agricultural, and open space properties contaminated by petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, PAHs, and PCBs.

Mr. Kuter is proficient at assessing risks, and performing soil, groundwater, air, and sediment sampling. His remedial expertise includes in situ chemical oxidation and reduction, underground storage tanks (USTs), soil excavation, groundwater treatment, and other remediation techniques and technologies. Mr. Kuter has extensive experience in data management and computer-aided software to assess site-specific and regional geologic, hydrogeologic, and environmental conditions. Mr. Kuter maintains a working understanding of current NJDEP rules, regulations, permitting, and compliance.

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### EXPERIENCE:

#### LSRP Program Experience

Under supervision of Project Manager / Engineer / LSRP, performed environmental and remedial investigations and remedial actions for industrial, commercial, agricultural, and open space properties throughout New Jersey. Prepared workplans, reports, drawings, forms, and permits in support of issuance of restricted and unrestricted Response Action Outcomes (RAOs).

#### Site Remediation

Under supervision of Project Manager / Engineer / LSRP, conducted environmental investigations and remedial actions at contaminated commercial and industrial sites throughout New Jersey including UST excavations and sampling of soil, groundwater, air, and sediment.

#### Environmental Assessments and Site / Remedial Investigations

Conducted Preliminary Assessments, Phase I ESAs, Site and Remedial Investigations, UST Investigations, and Remediation for industrial, commercial, agricultural, residential properties throughout New Jersey and Pennsylvania.

#### Landfills

- Prepared minor and major landfill disruption permits.
- Performed quarterly inspections, investigations, and reporting of closed municipal landfills in accordance with NJDEP regulations and local municipal ordinances. This includes surface and perimeter methane investigation, landfill vent sampling, groundwater sampling investigations truck delivery and material oversight.
- Drafted Quarterly inspection reports to be submitted to both the municipal client and NJDEP.

# ALAN BUOB

## ENVIRONMENTAL SCIENTIST



### EDUCATION/CERTIFICATIONS:

Montclair State University, Center for Science and Mathematics, M.S. Marine Biology and Coastal Science, 2019

Montclair State University, Center for Science and Mathematics, B.S. Marine Biology and Coastal Science, 2017  
Montclair State University, Center for Science and Mathematics, Graduate Certificate Water Resource Management, 2019

OSHA 40-Hour HAZWOPER (29 CFR 1910.120) Training Certificate  
OSHA 8-hour Refresher (completed annually)  
OSHA 10-hour Construction (29 CFR 1926) Training Certificate  
OSHA 30-hour Construction Safety (29 CFR 1926) Training Certificate

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### GENERAL EXPERIENCE:

Mr. Buob is an environmental scientist with five (5) years' experience in the consulting industry conducting remedial activities in accordance with Local, State and Federal regulations in a cost-efficient manner utilizing the latest technology to drive down cost to the client or PRP. Mr. Buob has experience in both the private and public sectors with his work for municipal and private industry clients.

Mr. Buob specializes in excavation oversight, soil, and groundwater sampling, for environmental clean-up and remediation of project sites within the Tristate area. Mr. Buob's primary experience deals with soil and groundwater investigation and cleanup of Hexavalent Chromium Contamination in Northern New Jersey in accordance with a Court mandated remediation. Mr. Buob oversaw the removal of over 500,000 tons of Hexavalent Chromium Contaminated soil over an eighteen (18) month excavation in accordance with the proposed excavation plan and NJDEP standards. He is adept at performing duties pertaining to construction management, such as interaction on a constant basis with the client/PRP by scheduling weekly update calls, daily reports, and site walks with client representatives or court appointed administrators. He is experienced with communicating both to clients/PRP and the NJDEP to provide both parties with up to date and accurate information pertaining to ongoing cleanup activities.

Mr. Buob is proficient in generating work plans, THA/JSA, scheduling, planning and running field projects, as well as follow-up reporting and analysis. Mr. Buob maintains a working understanding of NJDEP regulations.

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### SUMMARY OF EXPERIENCE:

#### Site Remediation

- Under supervision of Project Manager performed Construction management responsibilities relating to Construction oversight, health and safety, oversight of on-site sub-contractors, and daily updates with the NJDEP and client representatives.
- Under supervision of project Manager, designed, scheduled, planned and executed field activities to in accordance of client and NJDEP requirements. Lead field mobilizations and oversaw personnel on 30-month long term field sampling project. During field activities Mr. Buob was responsible for interacting with any and all guests to site, client representatives, and communicating with the lab to schedule and ensure timely sample pick up. Mr. Buob gave daily updates to the Project manager of the ongoing progress.

#### EPA Superfund

- Perform construction management duties on a Phase 3 superfund environmental capping project. Managed sub-contractors, reviewed sub-contractor work plans, timecards and daily tasks. Interacted daily with client representatives to ensure they had the most up to date information regarding daily work activities.

#### Landfills

- Performed quarterly inspections, investigations, and reporting of closed municipal landfills in accordance with NJDEP regulations and local municipal ordinances. This includes surface and perimeter methane investigation, landfill vent sampling, groundwater sampling investigations truck delivery and material oversight.
- Drafted Quarterly inspection reports to be submitted to both the municipal client and NJDEP.

# CONNOR MCFADDEN, P.G. GEOLOGIST



## EDUCATION/CERTIFICATIONS:

Masters of Science, Ohio University; Geological Sciences;  
Graduation: May 2019

Bachelors of Science, Youngstown State University;  
Geological Sciences; Graduation: May 2017

Pennsylvania Licensed Professional Geologist.  
Pennsylvania Certified Asbestos Building Inspector.  
Pennsylvania Certified Underground/Aboveground  
Storage Tank Remover.  
40 Hour HAZWOPPER Safety Training Certified.  
Federal Aviation Administration Part 107 Certified  
Drone Pilot.

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## GENERAL EXPERIENCE:

- Highly skilled in technical writing and data interpretation through the drafting of over 50 Phase II Environmental Site assessments.
  - Strong knowledge of various drilling techniques including direct push, hollow stem auger, air rotary, mud rotary, and sonic.
  - Proficient in soil, groundwater, surface water, leachate, and seep sampling techniques and equipment.
  - Basic knowledge of municipal landfill construction design and leachate management systems.
  - Experience with the implementation of in-situ groundwater remediation and hydrologic pumping tests.
  - Highly skilled in using various boring log software programs including Synergy, OpenGround, and gINT.
  - Skilled in using ArcGIS mapping software and AQTESOLV aquifer analysis software.
  - Strong skillset in data management and analysis (Excel).
  - Strong knowledge in environmental regulations and established statewide health standards.
  - Proficient in obtaining up to date aerial images of project sites using a DJI Phantom 3 drone platform.
  - Resourceful problem-solving and decision-making skills with the ability to work in a team to achieve project goals.
  - Excellent and effective written and oral communication skills.
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## EXPERIENCE:

- Conducts fieldwork and prepares technical reports for environmental site characterization and remediation projects implemented under Pennsylvania's Act 2 program.
- Manage, coordinate, and oversee drilling operations for Phase II, remediation, and site characterization projects.
- Writes project specific health and safety plans. Oversee the safety of other employees and subcontractors at the jobsite

- Works collectively with coworkers to develop project budgets and work plans.
- Oversee the installation and implementation of sub-slab depressurization systems for vapor mitigation projects.
- Interprets geological and analytical data to support environmental projects.
- Interact with clients, subcontractors, regulators, local municipalities, and site personnel.
- Responsible for technical support and guidance to junior level staff members and subcontractors.
- Oversee the removal of aboveground and underground storage tanks.
- Conducts soil, groundwater, soil gas, asbestos, mold, and lead based paint sampling
- Wrote quarterly and annual groundwater monitoring reports for 13 active and inactive landfill sites.
- Conducted leachate, groundwater, surface water, and seep sampling.
- Acted as the lead field role in conducting and coordinating routine sampling events.
- Conducted various Phase II environmental site assessments.
- Responsible for environmental drilling oversight, well installation, and well abandonment.



# RICHARD JAMES KEMBLE

## PROJECT GEOLOGIST



### EDUCATION/CERTIFICATIONS:

Stockton University  
B.S. Geology 2022

OSHA 40-hour HAZWOPER (29 CFR 1910.120)  
Training Certification - Jan 2023  
OSHA 8-hour HAZWOPER Refresher (completed annually)  
Understanding 2022 Changes to the FSPM - Apr 2023

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### GENERAL EXPERIENCE:

Mr. Kemble is an entry level Geologist who has 4 years of geologic experience with fieldwork and research projects, including 2 years in the environmental consulting industry.

RichardJames's research experience includes geologic mapping, X-Ray Diffraction and X-Ray Fluorescence analysis, knowledge with Petrographic Microscopes, GIS, and Brunton Field Work.

During his time with CME Associates, his responsibilities include: soil and groundwater sampling, component preparation of Preliminary Assessments (PA), Site Investigations (SI), Remedial Investigations (RI), Remedial Action (RA) Work Plans and Reports, scheduling of company resources, subconsultants, subcontractors, and outside resources, RI/RA implementation and monitoring, oversight of environmental and construction activities, and processing and interpreting data sets to the QA/QC stages..

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### SUMMARY OF EXPERIENCE:

#### Aberdeen SRMP

- Create groundwater and soil sampling plans to further develop remedial phase progress
- Oversee well installations and create soil boring logs
- Conduct groundwater monitoring and sampling on a quarterly basis. Adhering to NJDEP QA guidelines
- Update data tables, figures, and appendices for various reports

#### Tamarack Golf Course

- Oversee In-Situ ISCO injection treatment and adjusting plan according to geologic and soil conditions
- Conduct groundwater monitoring and sampling on a quarterly basis, adhering to NJDEP QA guidelines
- Update ongoing analytical data tables

#### Roosevelt Care Center

- Oversee In-Situ ISCO injection treatment and adjusting plan according to geologic and soil conditions

- Conduct groundwater monitoring and sampling on a quarterly basis, adhering to NJDEP QA guidelines
- Oversee well installations and create soil boring logs

#### Hazlet Police Department

- Produce groundwater and soil sampling plans to further develop remedial phase progress
- Supervise well installations and create soil boring logs
- Conduct groundwater monitoring and sampling on a quarterly basis, adhering to NJDEP QA guidelines

#### Lenape Park Wetlands Redevelopment

- Monthly water level monitoring to understand seasonal variations in the water table
- Oversee test pits and create logs highlighting seasonal high-water tables based off redoximorphic features

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### EXPERIENCE:

Jan 2023 to Present

**CME Associates**  
Project Geologist

June 2021 to Aug 2021

**Property Solutions**  
Research Associate  
Summer Intern

## BIANCA MASTELLONE ASSOCIATE ENGINEER



### EDUCATION/CERTIFICATIONS:

Rutgers University, School of Engineering, School of Environmental and Biological Sciences  
B.E., Environmental Engineering; 2023

Certificate, Environmental Unit Processes and Remediation; 2023  
Certificate, Environmental Policy, Institutions, and Behavior; 2023  
OSHA 40-hour HAZWOPER (29 CFR 1910.120) Training Certification  
OSHA 8-hour HAZWOPER Refresher (completed annually)

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### Landfill Engineering Experience

- Provided engineering services during landfill cell construction and landfill improvement projects including review of contractor submittals, contractor RFIs, and construction quality assurance. Performed on-site construction inspection and contract administration.
- Assisted in preparation of Solid Waste Facility Permit Renewal applications, including minor and/or major modifications, preparation of design drawings and details, preparation of bid documents and technical specifications, and construction administration.

### GENERAL EXPERIENCE:

Ms. Mastellone has been working at CME Associates as an Engineering Technician since October 2023 and has worked as an intern during summer 2022 and summer 2023. Her experience includes site remediation and reporting work in compliance with NJDEP regulations, including Preliminary Assessments, Phase I ESAs, and Site and Remedial Investigations for government, commercial, agricultural, and residential properties throughout New Jersey. Additionally, her experience includes working with public agencies throughout the planning and design, bidding, and construction phases of projects related to solid waste facilities, including design work in compliance with NJDEP Best Management Practices Manual and SESC Standards. Ms. Mastellone has experience working with AutoCAD Civil 3D.

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### EXPERIENCE:

#### Site Remediation - Municipal/County Clients

- Prepared municipal and county environmental site assessments, including Phase I ESAs, and Preliminary Assessments to support grant funding for improvements, acquisition of properties for open space, and to advance investigation/remediation of the subject property.
- Performed site visits, assessed potential environmental concerns, prepared and conducted OPRA requests and record reviews, and prepared final reports for sites, including sites requiring environmental assessments as part of due diligence requirements.
- Conducted biennial certification site inspections for soil and groundwater to evaluate the protectiveness of remedies.
- Prepared numerous NJDEP forms and notifications including Receptor Evaluations, Potable Well Surveys, Deed Notices, and Termination of Deed Notices.

# HALEY WILMOT

## ENVIRONMENTAL SCIENTIST



### EDUCATION/CERTIFICATIONS

Stockton University

B.S., Environmental Science; 2021

OSHA 40-hour HAZWOPER (29 CFR 1910.120) Training  
Certification

Rutgers Wetland Delineation Certification (2024)

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### GENERAL EXPERIENCE:

Ms. Ms. Wilmot has been working at CME Associates as an Environmental Scientist since March 2024. Her experience includes permitting work in compliance with NJDEP regulations, including Freshwater Wetlands, Flood Hazard Areas, CAFRA, and Waterfront Development. She has experience compiling permitting applications, writing Environmental Reports, and assisting with wetland delineations for clients throughout New Jersey.

### SUMMARY OF EXPERIENCE:

#### Permitting – Municipal/County Clients

- Prepared municipal and county environmental permitting applications, including Freshwater Wetlands and Flood Hazard Areas.
- Prepared required NJDEP forms and documents including Public Notification, Natural Heritage Database Requests, Environmental Reports, site maps, photo logs and location maps.
- Performed permit plan markups to ensure compliance with NJDEP regulations.
- Prepared project site summaries and permitting scopes to evaluate permitting requirements.
- Conducted environmental reviews to verify clients have obtained all applicable NJDEP permits.
- Compiled Environmental Justice Impact Statements for county landfill sites to assess potential adverse environmental and public health stressors on overburdened communities.

#### Wetlands Delineations

- Conducted site pre-assessments for indications of the presence of freshwater wetlands.
- Assessed site hydrology and vegetation for use in making wetlands delineations.
- Performed soil sampling for the evaluation of hydric soil indicators.
- Prepared soil logs for wetland and upland sampling sites.

### Detailed Experience

- Union County Improvement Authority – Green Lane Park  
Assisted in obtaining a flood hazard area individual permit and freshwater wetlands general permit 17 for the construction of a sidewalk, parking lot, trail and boardwalk, pedestrian bridge, and other amenities within the park.
- Brigantine City – Limited Access Road  
Assisted in obtaining a flood hazard area individual permit and a freshwater wetlands general permit 11 for the construction of a new stormwater pipe and outfall structures along the Absecon Channel Tributary.
- Freehold Township – MJT Pedestrian Trail Bridge  
Assisted in obtaining a flood hazard area individual permit and a freshwater wetlands general permit 11 and 17 for the construction of a walking trail, footbridge, and extension of an outfall along a Manasquan River Tributary.
- Spotswood High School – Board of Education  
Assisted in obtaining a flood hazard area individual permit and a freshwater wetlands general permit 2 and 11 for the conversion of a grass field to turf and the construction/reconstruction of outfalls on site.



# **LICENSES AND CERTIFICATIONS**



**BEHRAM TURAN, P.E., LSRP**  
**SENIOR VICE PRESIDENT**



Hereby Certifies:

**BEHRAM TURAN**

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

License #: 591482

Expires: 12/20/2027



*Hereby Certifies the Goodstanding of:*

**BEHRAM TURAN**

SSN:

License No. 203210

Reg No. 203210

AS A LICENSED:

**INSTALL - ENTIRE  
TANK TESTING**

**CLOSURE  
SUBSURFACE**

Expires: 08/31/27

Document#: 240836180

**MOHAMMAD ZAMAN, PH.D., P.E., LSRP, BCEE**  
**DIRECTOR OF ENVIRONMENTAL SERVICES**



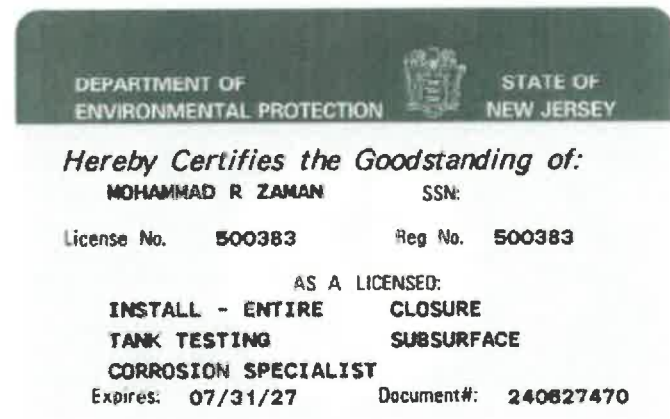
Hereby Certifies:

**MOHAMMAD R ZAMAN**

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

License #: 575492

Expires: 07/09/2027



**JAMES SOUSA, PH.D., LSRP  
PROGRAM MANAGER**



Hereby Certifies:

**JAMES SOUSA**

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

License #: 586573

Expires: 11/27/2027



**SURESH PUPPALA, PH.D., P.E., LSRP  
PROGRAM MANAGER**



Hereby Certifies:

**SURESH PUPPALA**

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

License #: 590707

Expires: 12/20/2027

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**State Of New Jersey**  
**New Jersey Office of the Attorney General**  
**Division of Consumer Affairs**

THIS IS TO CERTIFY THAT THE  
**Board of Prof. Engineers & Land Surveyors**

HAS LICENSED

**SURESH PUPPALA**  
114 Adelphia Drive  
Chesterfield NJ 08515

FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer

**02/28/2024 TO 04/30/2026**  
VALID

**24GE04315300**  
LICENSE/REGISTRATION/CERTIFICATION #

*Suresh P*  
Signature of Licensee/Registrant/Certificate Holder

*Carri Zais*  
ACTING DIRECTOR



**MANAL BABA, LSRP  
PROGRAM MANAGER**



Hereby Certifies:

**MANAL BABA**

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

License #: 585484

Expires: 12/20/2027

Report discharges of hazardous materials to the  
NJDEP HOTLINE  
1-877-WARNDEP / 1-877-927-6337

A handwritten signature in red ink, appearing to read "Manal Baba", is written over a horizontal line.

Signature of  
Licensed Site Remediation Professional

Contact the SRPL Board at 609-292-1250

**STEPHEN MASTRIPOLITO, P.E., LSRP  
PROGRAM MANAGER**

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**State Of New Jersey  
New Jersey Office of the Attorney General  
Division of Consumer Affairs**

THIS IS TO CERTIFY THAT THE  
**Board of Prof. Engineers & Land Surveyors**

**HAS LICENSED**

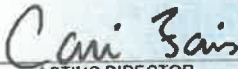
**Stephen Mastripolito  
5 MULFORD LANE  
Hillsborough NJ 08844**

**FOR PRACTICE IN NEW JERSEY AS A(N): Professional Engineer**

04/01/2024 TO 04/30/2026  
VALID

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

License #: 747139

Expires: 07/10/2026

**ZAHID SIDDIQUI, P.E.  
PROGRAM MANAGER**

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**Zahid M. Siddiqui  
6 Excalibur Court  
Old Bridge NJ 08857**

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Engineer**

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**Cani Zain**  
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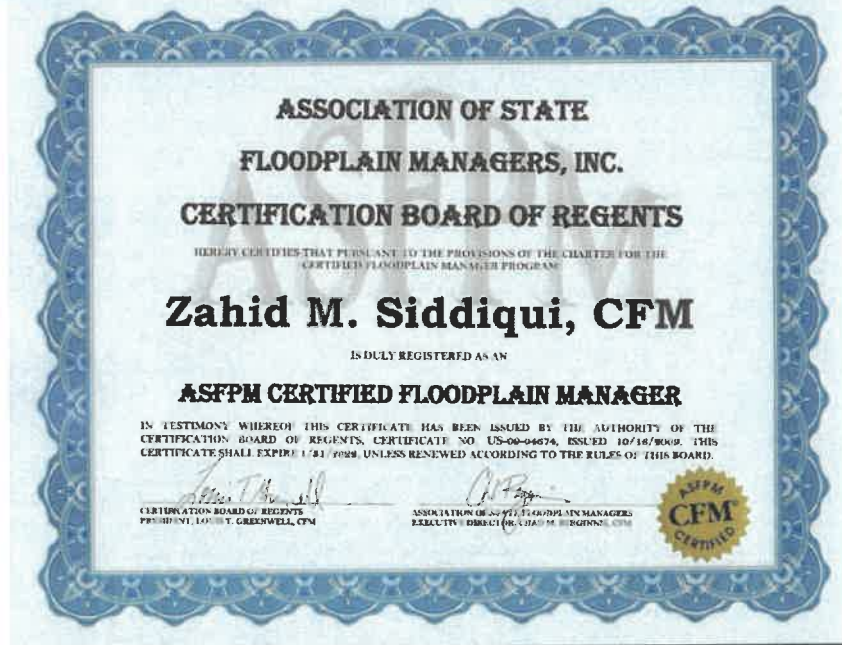
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**ERIC SNEE, LSRP  
SENIOR SCIENTIST**



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**ERIC R SNEE**

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STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NJDEP

Licensing Programs  
Mail Code 401-04E  
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ERIC R SNEE  
3759 U.S. Hwy 1 South  
Suite 100  
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**SALIH KOKOL, CSE, LICENSED N2 OPERATOR  
SENIOR SCIENTIST**



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**SALIH KOKOL**

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**License No. 0011795**

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**DREW LEWIS, P.E., P.P.**  
**PROFESSIONAL ENVIRONMENTAL ENGINEER**

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**Draw G. Lewis**  
**3759 US 1 South**  
**Suite 100**  
**Monmouth Junction NJ 08852**

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Engineer**

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**3759 US 1 South**  
**Suite 100**  
**Monmouth Junction NJ 08852**

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JACQUELYN FAGAN, CRP  
SENIOR SCIENTIST

**NJ Certified Recycling Professional  
Sustainable Resource Management Professional**

This card verifies that **Jacquelyn A. Fagan** has completed the requirements to maintain their Certified Recycling Professional (CRP)/Sustainable Resource Management Professional (SRMP) status through the date below.

*Expires December 31, 2026*



**NJ Recycling Certification Program  
Sustainability Resources Management  
Professional**



*Sponsored by the  
NJ Department of Environmental Protection  
Division of Solid & Hazardous Waste  
In cooperation with the  
Association of NJ Recyclers  
and the  
NJAES Office of Continuing Professional Education,  
Rutgers University*



**RUTGERS**

**The New Jersey Agricultural Experiment Station  
Office of Continuing Professional Education**

Presents this certificate to

***Jacquelyn Fagan***

For successfully completing the requirements of

**The New Jersey Recycling Certification Series**

**September 16, 2020 - May 13, 2021**

*Laura J. Lawson*

Laura J. Lawson  
Interim Executive Dean of Agriculture & Natural Resources

*Mark Gregory Robson*

Mark Gregory Robson  
Faculty Director  
Office of Continuing Professional Education

**RAND PIANIN, P.E.**  
**ASSOCIATE PROFESSIONAL ENGINEER**

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**Rand P. Pianin**  
**3759 Us Highway 1 S**  
**Ste 100**  
**Monmouth Junction NJ 08852**

FOR PRACTICE IN NEW JERSEY AS A(N): **Professional Engineer**

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ACTING DIRECTOR

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Professional Engineer

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**Cari Zais**  
ACTING DIRECTOR





## **SECTION 4 | RELEVANT EXPERIENCE**



## **SOLID WASTE EXPERIENCE & REFERENCES**

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## RELEVANT SOLID WASTE EXPERIENCE & REFERENCES

### PROJECT #1

#### SOLID WASTE ENGINEERING, GLOUCESTER COUNTY SOLID WASTE COMPLEX, SOUTH HARRISON TOWNSHIP, GLOUCESTER COUNTY, NJ

|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>Client:</b>           | Gloucester County Improvement Authority    |
| <b>Contact:</b>          | Thomas H. Sullivan, CPM, SWC Administrator |
| <b>Telephone:</b>        | (856) 478-6045, Ext. 20                    |
| <b>Project Duration:</b> | April 2015 – Present                       |

#### Project Description:

Gloucester County Solid Waste Complex (GCSWC) includes a sanitary landfill, approximately 163 acres in extent and associated structures. CME Associates was retained to provide engineering and environmental services as the Solid Waste Engineer of record to Gloucester County Improvement Authority (GCIA) for the sanitary landfill at the GCSWC. CME Associates completed and continues to perform the following tasks to achieve and maintain compliance:

- CME is currently providing design and construction services for new Cell #15.
- Provided landfill engineering design services for the construction of new Cells #13 and #14. In addition, CME prepared and submitted a New Jersey Environmental Infrastructure Trust (NJEIT) loan application for construction the new cells. CME submitted Soil Erosion and Sediment Control (SESC) plans related to the Cells 13 and 14 design to the Gloucester Soil Conservation District (GCSO) for plan certification. CME provided Construction Administration, Oversight, and Inspection services during the construction of Cells 13 and 14 which included installation of double-composite liner including leachate collection system, and leachate pump station. Upon completion of the project activities, CME documented the completed work and issued as-built drawings and related construction certification report to the NJDEP.
- Provided engineering and environmental services to the GCIA for the landfill operations, closure and post-closure activities including Preparation of annual topographic survey; annual engineering report; annual inspection; landfill perimeter and surface emissions monitoring for methane and monthly Landfill Gas (LFG) quality/flow measurements.
- Assisted GCIA with, Title V Air Pollution Control Operating Permit renewal, meeting compliance requirements associated with laboratory emissions testing on the flare inlet and related reporting to NJDEP.
- Preparation of the update for the Closure and Post-Closure Financial Plan.
- Evaluation of a program recommended by the previous consultant to take corrective actions and monitor the interior subsurface landfill gas temperatures
- NJPDES permit compliance assistance. Completed a statistical analysis of groundwater analytical data samples to identify statistically significant increases of targeted analytes in monitoring wells downgradient of the landfill over background concentrations. The analysis was completed in accordance with the requirements of a Groundwater Protection Program Plan (GWPP) prepared pursuant to 40 CFR 258. Performed a statistical analysis of stormwater analytical data associated with detention basins.
- Contract administration associated with refurbishment of landfill gas flare that included replacement of flare burner assembly, replacement of thermocouples, re-insulation of flare stack, and stack surface preparation/painting.
- Solid waste acceptance review. Completed evaluation of potential adverse impacts associated with accepting C&D screenings for use as alternative daily cover (ADC), & for disposal at the GCSWC.





## **PROJECT #2**

### **SOLID WASTE ENGINEERING, MIDDLESEX COUNTY LANDFILL / MIDDLESEX COUNTY UTILITIES AUTHORITY, MIDDLESEX COUNTY, NEW JERSEY**

|                          |                                      |
|--------------------------|--------------------------------------|
| <b>Client:</b>           | Middlesex County Utilities Authority |
| <b>Contact:</b>          | Richard Fitamant, Executive Director |
| <b>Telephone:</b>        | (732)721-3800 ext. 576               |
| <b>Project Duration:</b> | 2016 - Present                       |

#### **Project Description:**



CME Associates currently provides the Middlesex County Utilities Authority Division of Solid Waste with Solid Waste Engineering Consulting Services in connection with the operation of the Middlesex County Landfill in East Brunswick, NJ.



CME has been assisting the MCUA with maintaining compliance with their NJPDES Permit and preparation of its renewal application due in August 2016. In order to comply with the Discharge to Surface Water (DSW) requirements of the associated NJPDES permit, CME performed an annual inspection of the stormwater management system. CME is preparing an Annual Inspection Report to document observations and related recommendations to properly maintain, repair, and operate the stormwater management system, as well as related budgetary forecasts. CME will provide the necessary recommendations to update the stormwater pollution prevention plan (SWPPP) for the capped area of the Phase II Landfill and provide other DSW assistance as necessary, including technical and permit management services.



CME has also been retained to assist the MCUA in complying with the Discharge to Groundwater (DGW) requirements associated with the NJPDES permit, including preparation of semi-annual groundwater quality monitoring reports in accordance with the MCUA's Ground Water Protection Plan (GWPP). In accordance with the GWPP requirements, CME will perform adequate statistical analyses to evaluate the ground water quality trend and present the results of the evaluation in the semi-annual reports, as well as provide recommendations.

The MCUA submitted its most recent biennial update to its Closure/Post Closure Care/Financial Plan in January 2016. CME is providing assistance the MCUA with updates to the Closure/ Post Closure Financial Plan of the Middlesex County Landfill. In addition, CME is assisting the MCUA in any necessary modifications as required by the NJDEP and any other updates that may be necessary.





### **PROJECT #3**

## **SOLID WASTE ENGINEERING, CUMBERLAND COUNTY LANDFILL / CUMBERLAND COUNTY IMPROVEMENT AUTHORITY, CUMBERLAND COUNTY, NEW JERSEY**

|                          |                                           |
|--------------------------|-------------------------------------------|
| <b>Client:</b>           | Cumberland County Improvement Authority   |
| <b>Contact:</b>          | Gerard Velazquez, III, Executive Director |
| <b>Telephone:</b>        | (856) 825-3700 x1150                      |
| <b>Project Duration:</b> | 2016 - Present                            |

### **Project Description:**

CME Associates was retained as Solid Waste Engineer in 2016 and currently provides the Cumberland County Improvement Authority (CCIA) with Professional Engineering Consulting Services in connection with the operation and permitting of the Cumberland County Landfill in Deerfield Township, NJ.

As part of these services CME is currently assisting the CCIA with the following tasks:

- 1.) Preparation of Solid Waste Facility Permit (SWFP) Modification;
- 2.) Modification of vertical expansion plans and preparing final as-built certifications for the newly constructed cell;
- 3.) Preparation of the NJPDES Permit Renewal Application;
- 4.) Preparation of Annual Bond Inspection Report;
- 5.) Preparation of annual Engineering Report;
- 6.) Groundwater Detection Monitoring and Statistical Analysis;
- 7.) Stormwater Basin Discharge to Groundwater Monitoring and Statistical Analysis;
- 8.) Preparation of Closure and Post-Closure Plan Update; and,
- 9.) Provision of other on-call landfill services as necessary.





#### **PROJECT #4**

### **DEFINED AND ON-CALL PROFESSIONAL SOLID WASTE MANAGEMENT AND ENVIRONMENTAL ENGINEERING, PLANNING AND SURVEYING SERVICES IN CONNECTION WITH THE OPERATION AND PERMITTING OF THE MONMOUTH COUNTY DIVISION OF RECLAMATION FACILITIES, MONMOUTH COUNTY, NJ**

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
| <b>Client:</b>           | Monmouth County Department of Public Works & Engineering |
| <b>Contact:</b>          | Matthew Rutkowski, Assistant Superintendent              |
| <b>Telephone:</b>        | (732) 683-8686                                           |
| <b>Project Duration:</b> | 2014- Present                                            |

#### **Project Description:**

CME Associates provides the County of Monmouth with defined and on-call professional solid waste management and environmental engineering, planning and surveying services in connection with the operation and permitting of the Monmouth County Reclamation Center and related facilities. The Monmouth County Reclamation Center (MCRC) consists of the following facilities:

- Materials Processing & Recovery Facility
- Phase I, II, and III Landfills
- Tinton Falls facilities that operate under various NJDEP, USEPA, and ACOE permits
- Post-closure care and monitoring of Howell Landfill in Howell Township
- Post-closure care and monitoring of Belford Landfill in Middletown Township



CME Associates provides the following environmental engineering services under the defined tasks:

- Semiannual ground water protection program (GWPP) compliance reports in compliance with the MCRC's NJPDES permit.
- Semiannual ground water contour map for both the upper Kirkwood and Vincentown Aquifers
- Quarterly Shewhart-CUSUM Control Charts and a letter report
- Annual Compliance Statement, Semiannual Deviation Reports, Annual Emission Statement, Annual Greenhouse Gas Report for the MCRC Title V Operating Permit for the year 2014
- Quarterly letter report and monitoring location map for the results of perimeter gas testing at Howell Landfill
- Semiannual letter report for the results of laboratory gas testing from three gas vents at Howell Landfill
- Annual topographic report for the approximate 266-acre area of the Phase I, II and III landfills as required by N.J.A.C. 7:26-2A.8(i) for submission to the NJDEP

In addition, CME Associates provides the Monmouth County with the necessary "on-call" professional engineering, planning and surveying consulting services in support of the ongoing operation and closure of the Monmouth County Reclamation Center and related facilities.



## **PROJECT #5**

### **PROFESSIONAL ENGINEERING SERVICES FOR CLOSURE AND POST-CLOSURE CARE OF EDISON LANDFILL & RESTORATION OF ENVIRONMENTAL BENEFIT AREA, EDISON TOWNSHIP, MIDDLESEX COUNTY, NJ**

|                          |                                                           |
|--------------------------|-----------------------------------------------------------|
| <b>Client:</b>           | Township of Edison                                        |
| <b>Contact:</b>          | Mark Kataryniak, P.E., Director of Planning & Engineering |
| <b>Telephone:</b>        | (732) 248-7248                                            |
| <b>Project Duration:</b> | 2016- Present                                             |



CME Associates was retained by the Township of Edison to submit to the NJDEP the necessary engineering design related to the Edison Landfill Closure leading to the eventual objective of developing a solar energy system on the landfill. Several Edison Landfill closure applications and related documents were submitted to the NJDEP between 2004 and 2012; however, in order to address the outstanding NJDEP Notice of Deficiency letters, dated January 10, 2012 and February 25, 2014, the Township of Edison must submit a revised Landfill Closure and Post-Closure Care Plan for the Edison Landfill.

CME is assisting the Township in preparation of the final Post-Closure Care Plan. Once the Closure Plan is approved and the proposed environmental

improvements are constructed, the Township will be in a position pursue the installation of solar energy system at the landfill. As part of these services, CME is assisting the Township to complete the following tasks:

1. Preparation of Topographic and Boundary Survey
2. Engineering Design and Implementation for Environmental Improvements and Closure, including:
  - o Perimeter Leachate Collection and Conveyance System
  - o Perimeter Slurry Cutoff Wall
  - o Landfill Gas Extraction/Collection and Conveyance System
  - o Perimeter Landfill Gas Monitoring System
  - o Site Grading & Storm Water Management System and Details
  - o Final Landfill Capping System and Details
3. Preparation of Engineering Design Report for Landfill Closure and Post-Closure Care
4. Preparation of Landfill O&M Manuals for all elements of the Closure and Post Closure Plan
5. Preparation of a Financial Plan for Landfill Closure and Post-Closure Care
6. Preparation of a Major Landfill Disruption Permit
7. Preparation of a revised Landfill Closure and Post-Closure Plan
8. Preparation of Soil Erosion and Sediment Control Plan
9. Project Management and Coordination

In addition, CME will assist the Township with the Closure of the Environmental Benefit Area (EBA) (Block 400, Lots 10, 12, 16, & 19) under Solid Waste Rules as pre-1982 Landfill. As part of this project, CME will conduct a Site Investigation to delineate the extent of waste in the EBA, assess groundwater quality and control related to presence of metals and VOCs, and design PDM and clean fill capping system. CME will also preside of the Raritan Riverfront Restoration Project aspect of project





## **PROJECT # 6:**

### **FORMER OVERPECK LANDFILL / WASTE WATER & AIR MONITORING COMPLIANCE SERVICES BERGEN COUNTY, NEW JERSEY**

|                   |                                                    |
|-------------------|----------------------------------------------------|
| <b>Client:</b>    | Bergen County / Department of Parks                |
| <b>Contact:</b>   | James G. Koth, Acting Director of Parks Department |
| <b>Telephone:</b> | (201) 336-7265                                     |



#### **Project Description:**

The New Overpeck County Park was constructed on the former Overpeck Landfill, a municipal solid waste landfill in Bergen County, New Jersey. The landfill closure permit requires collection of landfill leachate and disposal to the Bergen County Utilities Authority (BCUA) through the three (3) pump stations at the site. In addition, sub-slab gas venting systems were installed at the four (4) onsite buildings to prevent the accumulation of landfill gases to potentially dangerous levels.

CME Associates has been providing the necessary professional services for the Operation and Maintenance of the three pump stations. In addition, CME Associates implements a monthly waste water sampling and testing program and reports the wastewater sampling results to the BCUA on their Self-Monitoring Report Forms.

CME recently prepared a Operation & Maintenance (O&M) Manual for the Leachate Removal System. The landfill closure permit requires collection of landfill leachate and disposal to the Bergen County Utilities Authority (BCUA) trunk sewer and that the leachate quality be monitored through monthly sampling and testing. In addition, the permit requires that the monitoring of the leachate collection systems and maintenance of pumps be conducted on a monthly basis. The O&M Manual was prepared to provide information related to the general operation and maintenance activities to be performed to comply with applicable regulations and permit requirements, as well as to maintain the integrity of the leachate collection and conveyance system.



CME Associates also collects air samples from each of the four building gas venting systems and prepares the necessary reports in relation to the air permit requirements.





## **PROJECT # 7:**

### **CITY OF LINDEN SANITARY LANDFILL, LINDEN, NEW JERSEY**

|                   |                                    |
|-------------------|------------------------------------|
| <b>Client:</b>    | City of Linden                     |
| <b>Contact:</b>   | George Vircik, P.E., City Engineer |
| <b>Telephone:</b> | (908)474-8470                      |

#### **Project Description:**

CME Associates provided engineering and environmental services to the City of Linden for the landfill closure and post-closure activities for the City of Linden Sanitary Landfill in Linden, New Jersey. The City of Linden Sanitary Landfill is located in the southwest corner of Linden. The Property comprises approximately 55 acres, running contiguous to the Rahway River, and is located off Lower Road, City of Linden, Union County, New Jersey.

CME has provided the following services:

- Quality Assurance services for the landfill closure activities including final capping system, storm water management system, and passive landfill gas system.
- Design of active landfill gas extraction and control system, including specification / contract document preparation, and construction oversight.
- Preparation of request for proposals (RFP) and contract documents for landfill gas utilization and renewable energy (wind/solar).
- Preparation of the NJDEP Subchapter 8 and Title V air permits for the active landfill gas collection and enclosed flare at the landfill. Negotiating the conditions of the Title V air permit with USEPA and NJDEP, and procuring a Title V Permit.



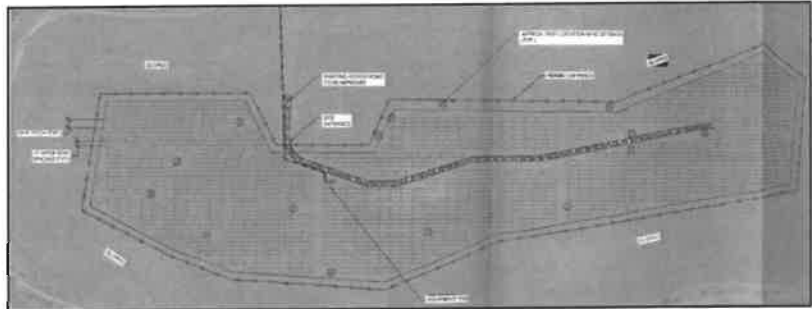
#### ***Ongoing Tasks:***

- Surface and perimeter methane gas surveys on a quarterly basis.
  - Maintenance and monitoring requirements of the Title V Permit.
  - Groundwater monitoring on a quarterly basis.
  - Monthly gas well tuning at each gas wellhead using a portable landfill gas monitor to analyze the gas compositions, pressure, and temperature on-site to determine adjustment necessity.
- Operations and maintenance of the leachate collection and conveyance system, including monthly leachate sampling in compliance with the Linden Roselle Sewerage Authority permit requirements.

Recently, the City of Linden has decided to take advantage of green energy incentives offered by the Community Solar Energy Pilot Program set forth by the Clean Energy Act of 2018 (P.L.2018, c.17), as well as N.J.S.A. 48:3-87 (t), "A Program to Provide SRECs to Solar Generation Facilities on Brownfields,



Historic Fill Areas, and Properly Closed Landfills," a program established by the NJ Board of Public Utilities (BPU) to provide Solar Renewable Energy Credits ("SRECs") to owners of solar electric power generation facilities certified as being located on a brownfield, historic fill area, or properly closed landfill. As part of this project, CME



prepared a Request for Proposals (RFP) and contract documents, assisted with bid administration and procurement, and will oversee the construction of the Linden Landfill Solar project which consists of installation of a ballast mounted solar system on the surface of the closed landfill. The project will result in total of approximately 5 MW of solar energy.



## **PROJECT # 8:**

### **THE FORMER CITY OF BAYONNE LANDFILL AND PSE&G SITE REDEVELOPMENT PROJECT IN BAYONNE, NEW JERSEY**

|                   |                                      |
|-------------------|--------------------------------------|
| <b>Client:</b>    | Bayonne Golf Club Redevelopment Site |
| <b>Contact:</b>   | Ron D'Argenio, Esq.                  |
| <b>Telephone:</b> | (201) 888-6155                       |

#### **Project Description:**

The Bayonne Golf Club Redevelopment site consists of approximately 470 acres of contaminated Brownfields including the former Bayonne Sanitary Landfill and the former PSE&G site that originally included 46 Areas of Concern (AOCs) in Bayonne, NJ. CME Associates provided engineering services for design and environmental remediation, and construction oversight services for the implementation of the remedial actions as required by the approved RAWP. CME Associates prepared the Remedial Action Report (RAR) and obtained a **No Further Action (NFA)** letter for the Bayonne Golf Club Redevelopment Site that has been redeveloped into an 18-hole golf course. CME completed the following:



- Compliance and implementation of Closure and Post-Closure regulatory requirements.
- Design and installation of a long term groundwater monitoring network system consisting of thirty-six (36) shallow and deep monitoring wells to evaluate the integrity of natural clay liner and the perimeter containment system.
- Long-term groundwater monitoring and sampling on a quarterly basis.
- Regulatory compliance for NJDEP permit requirements, including NJPDES permit for discharge to groundwater and quarterly reports required for NJDPES permit.
- Preparation of groundwater contour maps for the Bayonne Golf Club site.
- Preparation of annual long-term groundwater monitoring report and contingency monitoring report for pile supported structures.
- Implementation of landfill gas control system and design of final enclosed flare
- Preparation of Radius air permit application for environmental improvement pilot test using candlestick flare and supervision of stack test.
- Preparation of Radius air permit application for gas collection system and enclosed flare, including the negotiations of the final permit conditions with NJDEP
- Coordination of approvals for installation of enclosed flare and flare foundation
- Design of underslab gas ventilation system for the Club House
- Design and implementation of the leachate control system and leachate pre-treatment system
- Implementation of final cover system including Processed Dredged Materials and clean fill
- Implementation of Fill Acceptance Protocol and Review Engineer for final cover system
- Design and construction oversight of golf club structures
- Preparation of Remedial Action Report and procurement of a site-wide **No Further Action (NFA) Letter**

#### **Ongoing Tasks:**

- Long-term groundwater monitoring program including preparation of annual long-term groundwater monitoring and pile support structures report.
- Landfill gas quality monitoring including coordination of subcontractor for landfill gas sampling and preparation of letter report for the landfill gas collection system and gas flare required by the NJDEP preconstruction permit.
- Weekly operation, maintenance and monitoring of the leachate/groundwater pre-treatment system



**PROJECT # 9:**

**THE FORMER BUZBY BROTHERS LANDFILL/ VOORHEES ENVIRONMENTAL PARK IN VOORHEES, NEW JERSEY**

|                   |                                         |
|-------------------|-----------------------------------------|
| <b>Client:</b>    | Township of Voorhees                    |
| <b>Contact:</b>   | Larry Spellman, Municipal Administrator |
| <b>Telephone:</b> | 856-429-7174                            |

**Project Description:**



The Site is about of 37 acres in extent and is located within a centralized location in the Township. The Site is mostly open space with a pond at its southern end. The adjacent lot to the north of the Site is the 19-acre portion of the former Buzby Brothers Sanitary Landfill that is currently owned by the General Electric Corporation (GE Parcel).

The Site is slated for development as the proposed Voorhees Environmental Park (Park).

To obtain NJDEP approvals for the Park construction, a Joint Application for Remedial Action Workplan Addendum (RAWA), Landfill Closure and Post-Closure Care Plan, and Major Landfill Disruption Permit, dated June 2014, was prepared and submitted to the NJDEP. Subsequently, upon reviewing the Joint Application, NJDEP Office of Brownfield Reuse, issued a Closure Plan Approval, on September 18, 2014.







## **PROJECT #10:**

### **MIDDLESEX LOGISTICS CENTER REDEVELOPMENT PROJECT, EDISON, NJ**

|                   |                        |
|-------------------|------------------------|
| <b>Client:</b>    | JERC Partners VII, LLC |
| <b>Contact:</b>   | Jim Petrucci           |
| <b>Telephone:</b> | 908-730-6909           |

#### **Project Description:**

CME Associates provided engineering services for the redevelopment of a portion of the ILR Landfill into the 550,000 SF warehouse/office building. ILR Landfill is approximately 120 acres located in Edison, New Jersey. The engineering services included site investigation, landfill closure, and remedial investigation consisting of the following activities:



#### **Landfill Engineering:**

- Prepared Major Modification to Landfill Closure and Post-Closure Care Plan
- Prepared a Financial Plan including a cost estimate for the post-closure activities and a projection of funds for the post-closure care period.
- Prepared design documents for the proposed landfill engineering controls
- Designed an active landfill gas extraction system
- Preparation of a Radius air permit application and permit negotiations with NJDEP and USEPA including Applicability Determination for 40 CFR Subpart WWW and CC, and Separate Source Air Determination for Title V and PSD.
- Prepared a Subchapter 8 pre-construction air permit application for the active landfill gas extraction system and negotiated air permit conditions with NJDEP for the Subchapter 8 permit.
- Preparation of Fill Acceptance Protocol for approximately 500,000 cubic yards of imported fill materials including Processed Dredged Materials



#### **Permits/ Approvals Procured:**

- Minor and Major Landfill Disruption Permits
- Modification to Landfill Closure & Post-Closure Plan
- RAWP Permit Approval
- Land use permits including Wetlands Letter of Interpretation, Wetlands General Permit #4, and Waterfront Development Permit
- Pre-Construction Permit for under-slab venting system and active landfill gas collection/ flare system
- NJPDES/ DSW Permit
- Stormwater Pollution Prevention Plan
- Local Site Plan approvals from Township of Edison and Middlesex County



## **PROJECT #11:**

### **PLAINSBORO LANDFILL, PLAINSBORO, NJ**

|                   |                                            |
|-------------------|--------------------------------------------|
| <b>Client:</b>    | Plainsboro Township                        |
| <b>Contact:</b>   | Neil Blitz, Superintendent of Public Works |
| <b>Telephone:</b> | 609-799-0099                               |

#### **Project Description:**

The Plainsboro Townships Sanitary Landfill is an approximately 5-acre area that operated until 1982 accepting municipal, bulky and dry industrial waste. CME Associates responsibilities included the completion of the closure of the landfill and preparation of post-closure plans. The Township submitted to the NJDEP a Closure and Post-Closure Plan, dated September 29, 1986, last revised July 16, 1987. The main components of the plan included a landfill cap, groundwater monitoring wells, and methane gas wells. The cap and three groundwater monitoring wells were completed; however methane gas probes were not installed at the time.



The NJDEP determined that the Plainsboro Townships Sanitary Landfill was not closed in accordance with the Department's regulations. CME Associates' participation in this project began with preparing an As-Built Closure Certification for the landfill. This certification included a field investigation for the final cover system placed on the landfill, installing the planned methane gas probes, and preparing a boundary and landfill survey of the landfill site that will depict the existing site features including the locations of existing groundwater monitoring wells, and proposed methane gas probes.

CME Associates prepared a Post-Closure Care Plan that included post-closure activities for the duration of the post-closure care period. The post-closure activities include programs for maintenance along with implementation of all provisions for the final cover and final vegetation, side slopes, run-on and run-off control, groundwater monitoring wells, methane gas monitoring probes, and facility access control system. In addition, CME Associates prepared a Financial Plan including a cost estimate of the post-closure activities and a projection of funds for the post-closure care period.

CME Associates obtained Pre-Construction permit approval for the passive landfill gas venting system, and provided construction oversight for the installation of the passive venting system. CME Associates currently provides quarterly landfill monitoring and inspection services.



## LSRP RELEVANT EXPERIENCE

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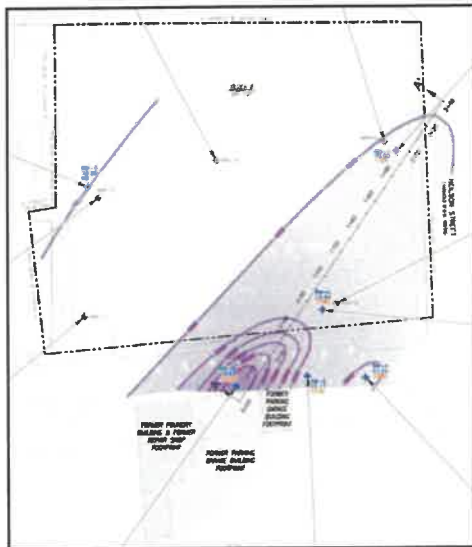


## RELEVANT LSRP EXPERIENCE & REFERENCES

### PROJECT #1

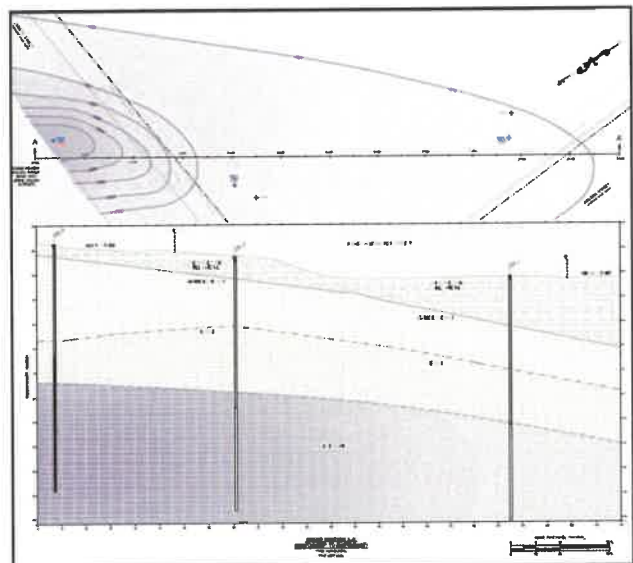
**PRELIMINARY ASSESSMENT, SITE INVESTIGATION, REMEDIAL INVESTIGATION, FORMER WOLFSON PARKING DECK, NEW BRUNSWICK, MIDDLESEX COUNTY, NEW JERSEY (NJDEP PI NO. 772343)**

**Contact:** Ronald Sendner, County Engineer  
**Client:** Middlesex County  
**Tel:** (732) 745- 3283  
**Duration:** Ongoing



On behalf of the County of Middlesex, CME conducted a Preliminary Assessment, Site Investigation, and Remedial Investigation at the former parking deck. Based on the PAR findings, CME recommended further investigation of the identified AOCs to determine if contamination was present at the Site. During the SI, soil and groundwater contamination was identified at the Site. Specifically, the chlorinated volatile organic compounds (cVOCs), or chlorinated solvents, trichloroethylene (TCE) and vinyl chloride were detected at concentrations exceeding the Groundwater Quality Standards (GWQS). As part of the remedial investigation of cVOCs in groundwater, CME subsequently installed on-site monitoring wells (RW-1, RW-2, and RW-3) and three (3) off-site bedrock monitoring wells (RW-4, RW-5, and RW-6) to assess the potential off-site source of groundwater impacts identified in the

previously installed. The monitoring wells were installed to approximately 50-feet below ground surface for sampling of the groundwater within the bedrock. CME also conducted a file review to assess the presence of potential off-site sources. The results of multiple rounds of groundwater sampling at the on-site and off-site monitoring wells indicated that the high concentrations of chlorinated VOCs (TCE) were emanating from an off-site, upgradient source and therefore not associated with the Site. CME notified the NJDEP about the off-site contribution of the chlorinated VOCs and will recommend no further action for groundwater at the Site.





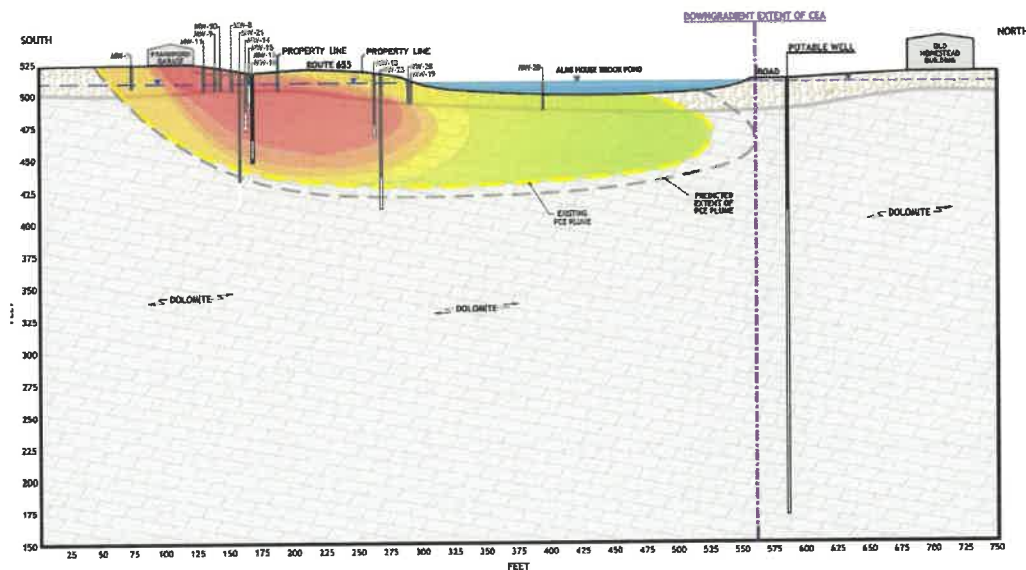
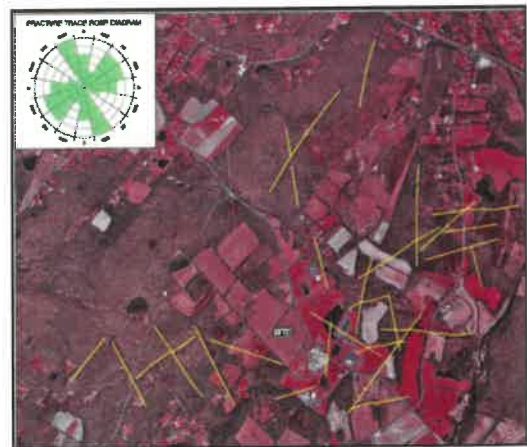


## PROJECT #2

### REMEDIAL INVESTIGATION, FRANKFORD ROAD MAINTENANCE GARAGE, FRANKFORD, SUSSEX CO., NEW JERSEY (NJDEP PI NO. 010005)

**Contact:** Joseph Biuso, Director, Facilities Management  
**Client:** Sussex County  
**Tel:** (973)579-0490  
**Duration:** April 2012- June 2016

On behalf of the County of Sussex, CME conducted a Remedial Investigation at the Frankford Road Maintenance Garage. Soil and groundwater contamination associated with several areas of concern was investigated. The main contaminant of concern in groundwater was tetrachloroethene (PCE), a chlorinated solvent. CME delineated the PCE plume which extended offsite to the northeast from a source area at the east side of the garage. TCE, vinyl chloride, total xylenes, and VOC TICs concentrations also exceed the GWQS at certain locations. Groundwater was contaminated in both the overburden soils and in the underlying fractured bedrock. Groundwater flow and potential contaminant migration in the dolomite bedrock underlying the site was likely controlled by the occurrence and orientation of transmissive fractures. Therefore, as part of the remedial activities, CME conducted an investigation to characterize bedrock fractures at the site, including fracture trace evaluation, field mapping, and borehole geophysics. The groundwater investigation included the installation and sampling of a series of shallow overburden monitoring wells, intermediate bedrock wells, and deep bedrock wells. No DNAPL was identified at the site; however, the PCE plume extending off site was a potential threat to nearby potable wells. CME recommended an active treatment remedy for remediation of the PCE plume.

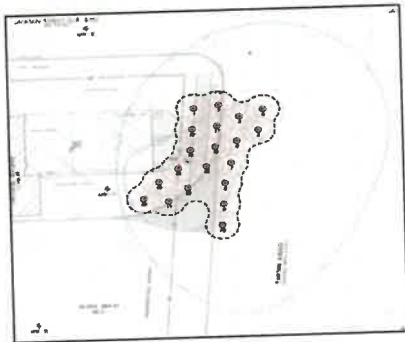




### **PROJECT #3**

## **REMEDIAL SERVICES AT THE SOUTH RIVER FIREHOUSE REDEVELOPMENT SITE, BOROUGH OF SOUTH RIVER, MIDDLESEX CO., NEW JERSEY (NJDEP PI NO. 021019)**

|                  |                                         |
|------------------|-----------------------------------------|
| <b>Contact:</b>  | Arthur Londensky, Borough Administrator |
| <b>Client:</b>   | Borough of South River                  |
| <b>Tel:</b>      | (732) 257-1999 ext. 519                 |
| <b>Duration:</b> | 2013 – Present                          |



On behalf of the Borough of South River, CME Associates has been performing remedial activities at the South River Firehouse Redevelopment Site. The Site was most recently operated by the Knights of Columbus as a tavern, meeting and banquet hall, offices, and a boxing club. The Borough of South River plans to construct a new firehouse facility on the site. Previous site uses included operations of various fueling stations with many unregistered and registered USTs as well as the use of mechanics shops. CME Associates performed a Preliminary Assessment (PA) in 2013 and identified eight (8) AOCs on the site. CME completed a Site Investigation (SI) of the identified areas of concern between September 2013 and July 2014. Lead and benzene exceedances related to the release from USTs were identified during the Site Investigation. CME conducted an extensive Remedial Investigation at the Site. Remedial investigation activities identified concentrations of Benzene, Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Chlorobenzene, EPH, Ethylbenzene, 2-methylnaphthalene, Toluene, and Total Xylenes in soil at the Site above applicable remediation standards and screening levels. Groundwater sampling at the site determined the groundwater is contaminated with Benzene, Ethylbenzene, 2-methylnaphthalene, MTBE, TBA, toluene and Total Xylenes above the GWQS. Based on a review of groundwater sampling results, concentrations of benzene, ethylbenzene, and naphthalene exceeded NJDEP Vapor Intrusion Screening Levels. CME performed a soil gas investigation at the Site in the proposed building footprint. The Site is currently vacant with no buildings or structures present, but a municipal

firehouse is scheduled to be constructed on the property. CME determined a sub-slab ventilation system should be installed under the new structure.

Remedial actions thus far have included:

- Removal of six (6) former regulated USTs (AOCs 1A, 1C, 1E) between April 2015 – January 2016
- Excavation of contaminated soil related to former USTs
- Removal of two (2) ASTs (AOC-2A and 2B)
- Contaminated soil excavation in Storage and Staging Area (AOC-4) took place in May 2015.
- Two (2) sump pits (AOC-5) demolished with building in 2015. No evidence of contamination indicated.
- Workshop area (AOC-6) demolished. Sampling of concrete floor was conducted. No contamination was identified.

CME submitted the Remedial Investigation Report to the NJDEP on March 1, 2017 and is currently preparing the Remedial Action Report. CME submitted a HDSRF application to the NJDEP in January 2016 for a grant in the amount of \$247,692.09 for the costs of the completed PA, SI, RI, and is currently in the process of preparing an HDSRF application to recoup 25% of the costs of the remedial action, approximately an additional \$180,000.



#### **PROJECT #4**

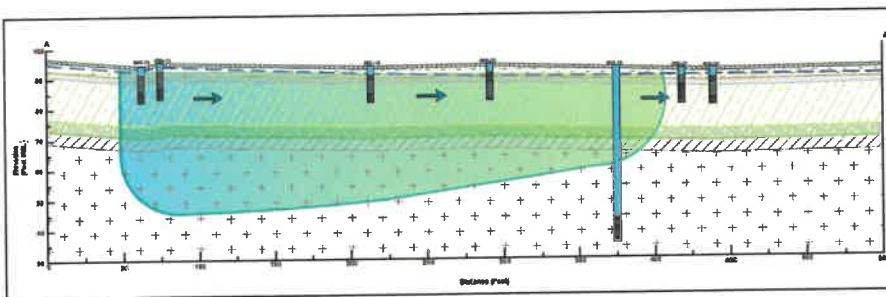
### **REMEDIAL INVESTIGATION AND REMEDIAL ACTION, MANALAPAN DPW GARAGE, MANALAPAN, MONMOUTH CO., NEW JERSEY (NJDEP PI NO. 023183)**

|                  |                                      |
|------------------|--------------------------------------|
| <b>Contact:</b>  | Tara Lovrich, Township Administrator |
| <b>Client:</b>   | Township of Manalapan                |
| <b>Tel:</b>      | (732) 446-8308                       |
| <b>Duration:</b> | Ongoing                              |

On behalf of the Township of Manalapan, CME performed a Remedial Investigation at the DPW garage and is currently performing the remedial action. The Remedial Investigation consisted of delineation of soil and groundwater contamination associated with several areas of concern identified at the site, including multiple underground storage tanks (USTs) and aboveground storage tanks (ASTs). Contaminants including benzene, TCE, and vinyl chloride are present in the groundwater at concentrations above applicable remediation standards.



Although the primary contaminant in groundwater at the site is benzene, a separate chlorinated solvent, specifically TCE, is present at the Site. The investigation of chlorinated solvent impacted groundwater during the Remedial Investigation included installation of a deep well to a depth of 58 feet to vertically delineate the TCE impacts at the site, as well as a temporary well point investigation to investigate potential off-site impacts to neighboring residential and wooded properties.



Results of the Remedial Investigation indicated impacts to groundwater appear to be stable and not migrating under current site conditions. CME recommended Monitored Natural Attenuation as the remedy for groundwater contamination at the site and

is in the process of performing quarterly groundwater monitoring events in order to demonstrate decreasing contaminant trends. CME prepared a submitted a Classification Exception Area (CEA) fact sheet to the NJDEP with the Remedial Investigation Report. Elevated levels of benzene, TCE, vinyl chloride, and VOC TICs are included in the CEA and the footprint and cross-section of the CEA is shown in the figures above.





## **PROJECT #5**

### **REMEDIAL INVESTIGATION, LAYTON MAINTENANCE GARAGE, LAYTON, SUSSEX CO., NEW JERSEY (NJDEP PI NO. 023669)**

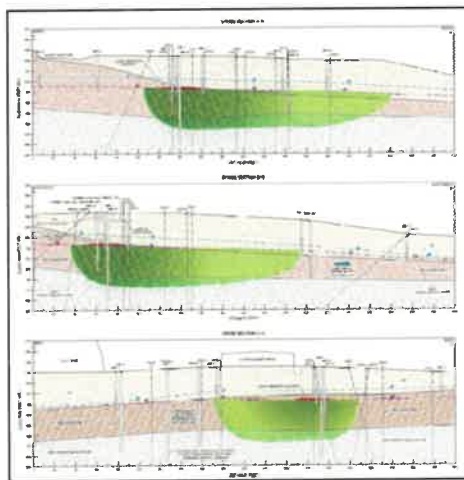
|                  |                                               |
|------------------|-----------------------------------------------|
| <b>Contact:</b>  | Joseph Biuso, Director, Facilities Management |
| <b>Client:</b>   | Sussex County                                 |
| <b>Tel:</b>      | (973)579-049                                  |
| <b>Duration:</b> | April 2012- December 2012                     |



On behalf of Sussex County, CME Associates provided LSRP services and conducted a remedial investigation at the Layton Road Maintenance Garage between 2011 and 2016. Soil and groundwater at the site were impacted by discharges from former gasoline and diesel USTs. The remedial investigation included soil and groundwater sampling to delineate the extent of contamination and evaluate potential migration pathways and receptors. Soils in the area of the former USTs are contaminated with BTEX, petroleum hydrocarbons (EPH), naphthalene, and 2-methylnaphthalene at concentrations above direct contact and/or impact to groundwater screening levels.

The horizontal and vertical extent of soil contamination was delineated to the applicable remediation standards.

The occurrence of LNAPL in the area of the former USTs was evaluated. Sampling and regular monitoring was used to delineate the horizontal and vertical extent of residual and mobile LNAPL, identify seasonal trends, and correlate the occurrence of free product in monitoring wells to site water levels. The LNAPL body was shown to contract and expand as groundwater levels rise and lower, but generally remain stable (non-migrating). Interim remedial measures including a product skimmer and Enhanced Fluid Recovery (EFR) were employed.



Groundwater investigations targeted three general water bearing zones: an upper (shallow) unconfined zone occurring in till overburden and the upper highly weathered portion of the red sandstone bedrock,

an intermediate zone in poorly competent red sandstone, and a lower zone in deeper more competent red sandstone and gray siltstone. A total of 26 monitoring wells are installed at the site, including wells in each of the three water bearing zones. Nine (9) additional monitoring wells were installed at the site, including 4 bedrock wells situated to intercept specific fractures. Eight (8) groundwater sampling events were conducted between Jan 2012 and Nov 2015. The horizontal and vertical extent of groundwater contamination was delineated. Benzene is the main contaminant of concern, and the contamination is most widespread in the upper water bearing zone. Long-term monitoring results show that the plume is stable and is not migrating under the current site conditions. Groundwater contaminant levels have significantly declined over time at several monitoring locations, suggesting that natural attenuation processes are active and offset the continued contaminant mass loading in the LNAPL source area. In addition, the groundwater contamination historically impacted the onsite potable well, and water at the facility is treated using a POET system consisting of activated carbon filters. Raw and treated water was sampled on a regular basis to verify the efficacy of the POET system, and annual operation and maintenance reports were submitted to the NJDEP pursuant to IEC case requirements. A Remedial Investigation Report, including CEA Proposal, was prepared and submitted to the NJDEP in April 2016.





## **PROJECT #6**

### **LSRP SERVICES AT THE LENAPE PARK TRAP AND SKEET, TOWNSHIP OF CRANFORD, UNION CO., NEW JERSEY (NJDEP PI NO. G000022693)**

|                  |                               |
|------------------|-------------------------------|
| <b>Contact:</b>  | Thomas Mineo, County Engineer |
| <b>Client:</b>   | County of Union               |
| <b>Tel:</b>      | (908)789-3653                 |
| <b>Duration:</b> | 2013 – Present                |



CME Associates performed a remedial investigation at the Lenape Park Trap and Skeet between October 2014 and May 2016. Historically, a trap and skeet facility operated at the site from circa 1925 to 2005, and a small arms target range operated from the late 1920s to 1979. Soils in the area of the former shooting ranges are contaminated with metals (primarily lead, arsenic, and antimony) and PAH semi-volatile compounds at concentrations above applicable remediation standards. The contamination appears to locally impact shallow groundwater, and also impacts sediment and surface water in the Nomahegan Brook and Rahway River. CME obtained a Freshwater Wetlands General

Permit #14 in order to install groundwater monitoring wells and investigate the groundwater contamination. The extent of contamination is delineated and the remedial investigation has been completed. CME submitted a Remedial Investigation Report, including CEA proposal, to the NJDEP in May 2016.

CME is currently in the process of conducting feasibility studies for potential remedial actions and preparing a Remedial Action Workplan. Monitoring is being conducted to evaluate seasonal conditions in groundwater and surface water quality in the areas of concern. The water data will be used to design an appropriate remedial action and as a baseline for post-remedial verification samples. Additionally, further evaluation is proposed to establish site-specific cleanup goals based on ecological receptors. Most of the contaminated areas of concern at the site impact environmentally sensitive natural resources including wetlands, riparian zones, and streams. Therefore, cleanup of the contamination will be largely driven by ecological considerations. The findings of previous ecological studies at the site indicate that metals concentrations in the stream sediments and wetland soils pose a potential risk to wildlife. Additional ecological assessment, including additional tissue sampling if needed, will be conducted to further quantify the risk associated with the site contamination and derive site-specific ecological remediation criteria





## **PROJECT #7**

### **CLOSURE & INVESTIGATION OF FOUR (4) USTS AT HISTORIC SMITHVILLE PARK, EASTAMPTON TOWNSHIP, BURLINGTON CO., NEW JERSEY (NJDEP PI NO. 704149)**

|                  |                                                       |
|------------------|-------------------------------------------------------|
| <b>Contact:</b>  | Matthew Johnson, P.P., A.I.C.P.                       |
| <b>Client:</b>   | Burlington County Department of Resource Conservation |
| <b>Tel:</b>      | (856)642-3850                                         |
| <b>Duration:</b> | 2015 – Present                                        |

CME was retained to preside over the closure and investigation of four Underground Storage Tanks (USTs) (T-1, T-2, T-3, and T-4) at the Historic Smithville Park property, as follows:

UST T-3, Former School House: Behram Turan, P.E., LSRP was retained as the LSRP-of-record for Historic Smithville Park (PI No. 704149) in September 2015 to oversee the remediation of UST T-3. A discharge (NJDEP Case No. 13-04-09-1700-46) was reported in April 2013 following removal of a former 550-gallon No. 2 heating oil UST, identified as tank T-3. In March 2014, a limited site investigation was conducted by others. The UST was previously situated adjacently south of the School House building. CME prepared a Health and Safety Plan (HASP) and Quality Assurance Project Plan (QAPP) for the Site, prepared and submitted a UST Registration and Closure Approval, performed UST closure sampling and backfill soil quality testing, conducted a Remedial Investigation of Soil, Groundwater, and Vapor Intrusion including installation of monitoring wells, conducted Enhanced Fluid Recovery (EFR), and submitted a Site Investigation / Remedial Investigation Report including a CEA proposal in April 2017.

UST T-1, One Park Avenue: CME decommissioned a 550-gallon No. 2 Heating Oil UST at this location in August 2016. CME collected five (5) post-excavation soil samples. Targeted parameters were not detected during the initial investigation. No further action was recommended for this former UST. The closure of this UST has been documented in the April 2017 UST Closures and Site Investigation Report prepared by CME.

UST T-2, 802 Smithville Road: CME decommissioned the 1,000-gallon No. 2 Heating Oil UST (T-2) in August 2016. CME collected six (6) sidewall and two (2) centerline post-excavation soil samples (T-2A through T-2G) from a depth of 6.5-7.0 ft bgs. Total EPH was detected in three (3) post-excavation soil samples at concentrations which exceed the Residential SRC (5,100 mg/kg), but do not exceed the Non-Residential SRC (54,000 mg/kg). The total EPH concentrations detected in samples T-2D (12,000 mg/kg) and T-2H (11,000 mg/kg) also exceed the residual/free product determination trigger concentration (8,000 mg/kg) for No. 2 heating oil/diesel fuel. 2-methylnaphthalene was detected at a concentration which exceeds the IGWSSL, but does not exceed the SRS. The NJDEP was notified of the UST discharge and incident no. 16-08-23-1537-39 was assigned to the Site. A Remedial Action Workplan (RAW) was recommended. The closure of this UST has been documented in the April 2017 UST Closures and Site Investigation Report prepared by CME.



UST T-4, 815 Smithville Road: CME decommissioned a 1,000-gallon No. 2 heating oil UST (UST T-4) at this location in August 2016. CME collected eight (8) post-excavation soil samples (Total EPH was detected in two (2) post-excavation soil samples at concentrations which do not exceed the SRC for No. 2 heating oil or the contingent analyses trigger concentration. No further action was recommended for this UST. The closure of this UST has been documented in the April 2017 UST Closures and Site Investigation Report prepared by CME.



## **PROJECT #8**

### **FORMER SOUTH RIVER METAL PRODUCTS BROWNFIELD REDEVELOPMENT SITE, ABERDEEN, MONMOUTH COUNTY, NEW JERSEY (NJDEP PI. G00008373)**

|                  |                                 |
|------------------|---------------------------------|
| <b>Contact:</b>  | Bryan Russell, Township Manager |
| <b>Client:</b>   | Township of Aberdeen            |
| <b>Tel:</b>      | (732)583-4200 ext. 117          |
| <b>Duration:</b> | 2006 – Present                  |

On behalf of Aberdeen Township, CME Associates conducted a Site Investigation, Remedial Investigation, prepared a Remedial Action Workplan, and is overseeing remediation for redevelopment of an abandoned industrial site. The site has been the subject of several environmental investigations since at least the mid-1990s. Remedial activities were originally conducted under NJDEP direct oversight.

- As part of the remedial investigation, a total of 48 areas of concern (AOCs) on the site were evaluated. Soil contamination above the soil remediation standards was identified in 34 AOCs, including petroleum hydrocarbons, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and various metals. Groundwater contamination exceeding Groundwater Quality Standards (GWQS) is present in several areas of the site. The main contaminants of concern include VOCs (benzene and PCE) and nickel. CME issued a Remedial Investigation Report in December 2014.
- CME issued a Remedial Action Work Plan in December 2014 and RAWP Addendum in November 2015. Design of the RAW was coordinated with a specific site development plan for multi-unit residential buildings. A restricted use remedial action is being implemented that includes a combination of hotspot soil removal, capping, and institutional controls. A CEA was established for contaminated groundwater at the site.
- The remedial action was conducted via joint coordination between the Township and a private developer. CME Associates coordinated the site remediation and provided LSRP oversight of field activities. The remedial activities included the removal of several abandoned USTs and industrial piping, removal of debris and contaminated concrete, excavation of contaminated soil hotspots, verification soil sampling, and other activities.

The Site was redeveloped into two four-story apartment buildings, a senior center, and a conservation lot. In support of the Brownfield redevelopment, CME Associates prepared a Hazardous Discharge Site Remediation Fund (HDSRF) Application and obtained \$693,800 for the Remedial Investigation. An additional \$2,315,930 was approved to help finance the remedial action. The remedial action funding is based on a matching HDSRF grant with the developer and the Township contributing 25 to 50% of the total remedial costs.







## **PROJECT #9**

### **LSRP SERVICES, FORMER COTTRELL FARM, OLD BRIDGE, MIDDLESEX COUNTY, NEW JERSEY (NJDEP PI NO. 596292)**

|                  |                                              |
|------------------|----------------------------------------------|
| <b>Contact:</b>  | Richard Lear, Director of Parks & Recreation |
| <b>Client:</b>   | Middlesex County Parks & Recreation          |
| <b>Tel:</b>      | (732)745-5988                                |
| <b>Duration:</b> | May 2014 – February 2016                     |

CME Associates conducted a Preliminary Assessment, Site Investigation, Remedial Investigation and Remedial Action at the Former Cottrell Farm in Old Bridge Township between May 2014 and February 2016. Historically, the property has been used for agricultural and residential purposes since prior to 1841 and the County planned on preserving the property for agricultural use, passive open space, and government office space through the NJ Green Acres Program.

Previous investigations conducted by others identified five (5) Areas of Concern (AOCs) at the Site and CME's 2015 Preliminary Assessment identified five (5) additional AOCs, as follows:

- AOC #1: Lot 34 Farm Field/Orchard
- AOC #2: Lot 18 Orchard
- AOC #3: Lot 18 Forested Wetland
- AOC #4: Former Garage USTs
- AOC #5: Former House UST
- AOC #6: Existing Heating Oil AST
- AOC #7: Septic System and Leach Field
- AOC #8: Basement Sumps
- AOC #9: Generator in Garage
- AOC #10: Hazardous Materials Storage

Based on previous investigations conducted at the Site, CME recommended remedial actions be conducted to address contamination identified at AOC #1 and AOC #2; a Site Investigation/Remedial Investigation (SI/RI) was recommended for AOC #7 and AOC #9. CME's PAR recommended no further investigation for AOC #3, AOC #4, AOC #5, AOC #6, AOC #8 and AOC #10. Remediation of the former underground storage tanks (USTs) at the Site (AOC #4 & AOC #5) were previously completed by others.

A SI/RI, including a geophysical survey and soil borings, was conducted at AOC #7 and AOC #9 to evaluate potential contaminants of concern at these AOCs. Based on the analytical results, no further investigation was required for AOC #7 and AOC #9.

Remedial actions conducted at AOC #1 consisted of in-situ soil blending, and soil excavation and off-site disposal. Remedial actions conducted at AOC #2 consisted of soil excavation and off-site disposal. Based on the analytical results, soil contamination has been remediated to the applicable standards and no further action was recommended for AOC #1 and AOC #2. CME issued an unrestricted use Response Action Outcome (RAO) for the entire site in February 2016.







## **PROJECT #10**

### **REMEDIAL INVESTIGATION, HAZLET TOWNSHIP POLICE DEPARTMENT, HAZLET, MONMOUTH COUNTY, NEW JERSEY (NJDEP PI NO. 030725)**

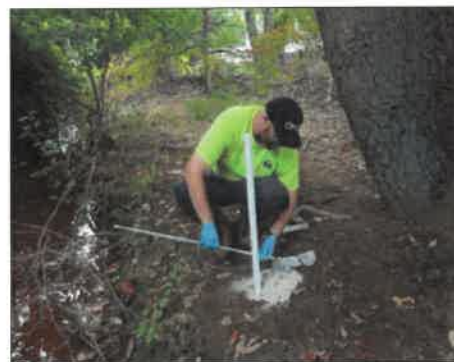
|                  |                                     |
|------------------|-------------------------------------|
| <b>Contact:</b>  | Dennis Pino, Township Administrator |
| <b>Client:</b>   | Township of Hazlet                  |
| <b>Tel:</b>      | (732)264-1700 ext. 8682             |
| <b>Duration:</b> | 2013 – Present                      |



On behalf of the Township of Hazlet, CME Associates conducted a Remedial Investigation at the Hazlet Township Police Department site in Hazlet, New Jersey. An underground storage tank (UST) was removed from the site in 1999 and a discharge was reported to the NJDEP. Several environmental investigations took place between 1999 and 2005. VOC impacts to soil and groundwater were identified by others but the extent of contamination related to the former UST was not fully delineated.

The project included investigation of four (4) areas of concern related to the former UST: AOC-1: Former 550-gallon gasoline UST; AOC-2: Groundwater Media; AOC-3: Surface Water Media; and AOC-4: Indoor Air. As part of the remedial investigation, CME Associates performed the following activities:

- CME delineated VOC impacts in soil and groundwater. On July 31, 2015 and on September 22, 2015, CME advanced a total of 22 temporary borings/wells and collected thirteen (13) soil samples and nineteen (19) groundwater samples. In addition, monitoring wells MW-10, MW-11, MW-12 and MW-13 were installed by CME in February 2016. CME collected three (3) rounds of groundwater samples from the on-Site monitoring wells in June 2015, March 2016 and April 15, 2016. No LNAPL was detected. The extent of benzene, MTBE, TBA and VO-TICs impacts in soil and groundwater was delineated. CME determined the groundwater plume associated with benzene, MTBE and VO-TICs is contracting and concentrations are naturally attenuating.
- To investigate potential impacts to surface water in Flat Creek running through the Site, CME on July 31, 2015, collected five (5) surface water samples. Trace concentrations of MTBE were detected but did not exceed the applicable surface water screening criteria.
- In June 2014, to investigate potential VOC vapor intrusion impacts, two (2) sub-slab soil gas samples were collected by CME inside the building in the vicinity of the former 550-gallon gasoline UST. The sub-slab soil gas analytical results did not indicate the presence of the targeted analytes at concentrations exceeding the applicable Soil Gas Screening Levels.



CME Associates prepared and submitted a Remedial Investigation Report including a CEA Proposal in May 2016 and is currently preparing a Remedial Action Workplan.



## **PROJECT #11**

### **REMEDIAL INVESTIGATION, PRINCETON MEADOWS GOLF COURSE, PLAINSBORO, MIDDLESEX COUNTY, NEW JERSEY (NJDEP PI NO. 000712)**

|                  |                                 |
|------------------|---------------------------------|
| <b>Contact:</b>  | Ronald Sendner, County Engineer |
| <b>Client:</b>   | Middlesex County                |
| <b>Tel:</b>      | (732) 745-3283                  |
| <b>Duration:</b> | February 2012 - Present         |

On behalf of Middlesex County Improvement Authority (MCIA), CME Associates has been providing LSRP services related to the Princeton Meadows Golf Course site located at 70 Hunters Glenn Drive, Plainsboro, Middlesex County, New Jersey. In 1992 and 1994, five (5) underground storage tanks were removed from the maintenance building area at the golf course. Free product was observed in the UST excavation and a discharge from one or more tanks was reported. A limited remediation to recover some free product was performed in 1996-1997, and various soil and groundwater investigations were conducted to evaluate the extent of contamination. Shallow groundwater at the site is contaminated with benzene and other gasoline constituents, and the contaminant plume extends offsite onto an adjacent condominium complex.



In 1992 and 1994, five (5) underground storage tanks were removed from the maintenance building area at the golf course. Free product was observed in the UST excavation and a discharge from one or more tanks was reported. A limited remediation to recover some free product was performed in 1996-1997, and various soil and groundwater investigations were conducted to evaluate the extent of contamination. Shallow groundwater at the site is contaminated with benzene and other gasoline constituents, and the contaminant plume extends offsite onto an adjacent condominium complex. A Remedial Investigation Report Addendum (April 2002) and a Remedial Action Workplan (June 2004) were submitted to the NJDEP for review and comment. The NJDEP issued a Notice of Deficiency (NOD) on April 6, 2011, and cited various corrective actions that the MCIA must complete within specified timeframes in order to comply with applicable regulations. The required corrective actions include implementation of an interim remedial action to address remaining free product.



Remedial activities at the site are proceeding under the direction of Behram Turan, P.E., LSRP. CME Associates conducted a Remedial Investigation at the Site between 2012 and 2016 consisting of a soil investigation, on-site and off-site groundwater investigation, off-site vapor intrusion investigation, and LNAPL delineation. CME prepared and submitted a Remedial Investigation Report, including a CEA Proposal, in May 2016. CME is currently assessing potential remedial action feasibility studies and preparing a Remedial Action Workplan.

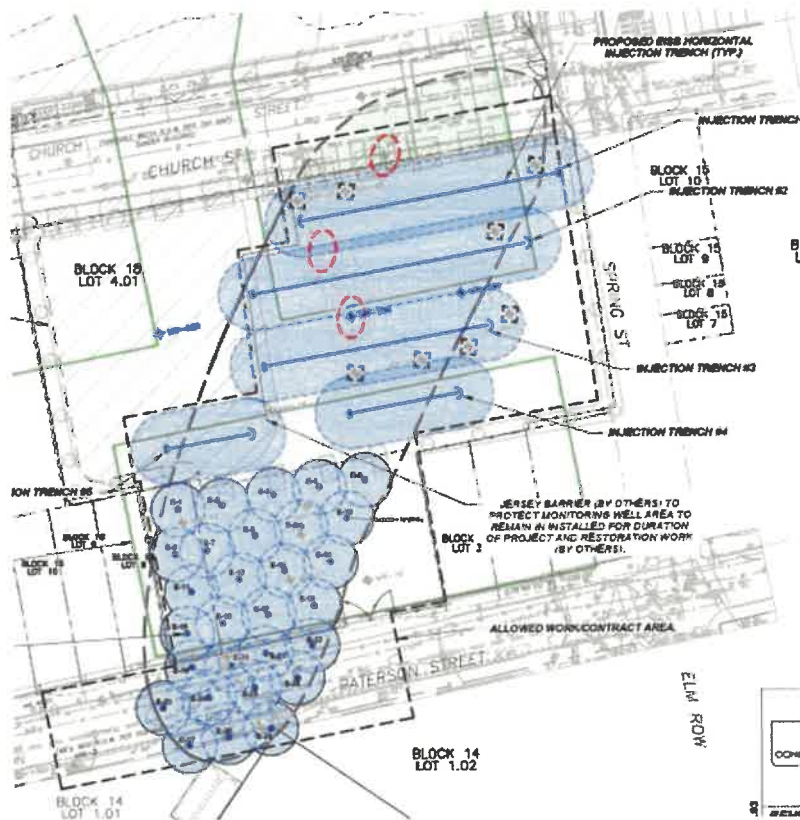


## **PROJECT #12**

### **REMEDIAL INVESTIGATION, FORMER MIDDLESEX COUNTY ADMINISTRATION BUILDING, NEW BRUNSWICK, MIDDLESEX CO., NEW JERSEY (NJDEP PI NO. 012725)**

**Contact:** Ronald Sendner, County Engineer  
**Client:** Middlesex County  
**Tel:** (732) 745- 3283  
**Duration:** August 2015 - Present

Chemical constituents associated with two (2) former 20,000-gallon heating oil underground storage tanks are present in the groundwater at the Site, including, but not limited to, 2-Methylnaphthalene, 1-Methylnaphthalene, Volatile Organic Compound (VOC) Tentatively Identified Compounds (TICs) and Semi Volatile Organic Compound (SVOC) TICs. Contaminants were initially detected in the soil and/or groundwater in 1989. The contamination in the groundwater has migrated off-site. In addition, Light Non-Aqueous Phase Liquid (LNAPL) accumulation is also reported off-site.



The County of Middlesex is conducting remedial activities in accordance with the requirements of the NJDEP to address the LNAPL and the chemical constituents detected in groundwater. Between February and April 2016, extensive subsurface investigations were conducted by CME, including the installation of soil borings, temporary well points, and test pits along Paterson Street, within the Surface Lot portion of the Ferren Deck property, and along Church Street and Spring Street.

A Remedial Investigation Report (RIR) was submitted to the NJDEP on May 16, 2016. The RIR documents the investigative methods and findings and presents recommendations for remediation of each contaminated AOC. In addition, an Interim Remedial Measures (IRM) Report and the associated LNAPL Reporting Form

was submitted to the NJDEP under separate cover in May 2016. CME is conducted feasibility studies of potential remedial actions and prepared a Remedial Action Workplan (RAWP) in accordance with N.J.A.C. 7:26E-5.5 based on the findings of the remedial investigation. The RAWP was submitted to the NJDEP on September 1, 2021. CME prepared remedial action contract specifications and is overseeing the implementation of soil and groundwater remedial activities at the Site.





### **PROJECT #13**

#### **UST CLOSURE, OLD HOMESTEAD FACILITY, FRANKFORD, SUSSEX CO., NEW JERSEY (NJDEP PI NO. 023669)**

|                  |                                               |
|------------------|-----------------------------------------------|
| <b>Contact:</b>  | Joseph Biuso, Director, Facilities Management |
| <b>Client:</b>   | Sussex County                                 |
| <b>Tel:</b>      | (973)579-0490                                 |
| <b>Duration:</b> | April 2012- December 2012                     |



On behalf of Sussex County, CME Associates provided LSRP services related to the closure of a regulated 1,000-gallon leaded gasoline underground storage tank and associated remediation. The UST was located at the Old Homestead facility at 129 Morris Turnpike, Frankford Township, Sussex County, New Jersey. The former 1,000-gallon leaded gasoline UST was designated Tank D-2 and was removed on December 26, 1995. Tank D-2 had leaked and contaminated soil was excavated and disposed offsite. Post-remedial soil samples were collected immediately after the soil excavation and analyzed for volatile organic compounds (VOCs; VO+10) and lead. Xylenes were reported at concentrations above the current NJDEP default Impact to Ground Water Soil Screening Level (IGWSSL). A monitoring well was installed at the down-gradient side of the tank excavation in November 1997, and groundwater samples were collected in January and February 1998. VOCs, MTBE, and TBA were not detected in the groundwater. The well was properly abandoned.

CME Associates was retained by the Sussex County to provide LSRP services for the former 1,000-gallon leaded gasoline UST area. Remedial activities have been provided under the supervision of Behram

Turan, P.E., LSRP, in accordance with NJAC-7:26C. In October 2012, CME conducted additional sampling in the former Tank D-2 area to confirm that no impact to soil remains above the current remediation standards. A series of soil borings were advanced to the top of bedrock in the area of concern and soils were screened for indications of contamination. Two discrete soil samples were collected for analysis of VO+15 and lead. Only trace levels of VOC TICs were reported, and lead concentrations were below the IGWSSL. No groundwater was encountered in the soil borings to a depth of 11 feet bgs.

Based on the findings of the post-remedial soil and groundwater sampling and the recent confirmatory soil sampling, CME Associates prepared a Remedial Action Report and recommended no further action for remediation of the former 1,000-gallon leaded gasoline UST area. On November 21, 2012, Behram Turan, P.E., LSRP, issued an unrestricted Response Action Outcome (RAO) for the Tank D-2 Area only.





## **PROJECT #14**

### **UST CLOSURE AND INVESTIGATION, FORMER LINDEN POLICE DEPARTMENT JUVENILE BUREAU BUILDING, 13 KNOPF STREET, LINDEN, UNION CO., NEW JERSEY (NJDEP CASE NO. 14-06-04-1338-59)**

|                  |                                       |
|------------------|---------------------------------------|
| <b>Contact:</b>  | Nicholas Pantina, P.E., City Engineer |
| <b>Client:</b>   | City of Linden                        |
| <b>Tel:</b>      | (908)474-8470                         |
| <b>Duration:</b> | June 2014 – Present                   |



On June 4, 2014, a 1,000-gallon No. 2 Heating Oil UST was closed under the direct supervision of CME. Upon removal, several small holes were observed in the UST and impacted soils were observed under the tank base. A discharge was reported to the New Jersey Department of Environmental Protection (NJDEP), and the NJDEP assigned Incident Number 14-06-04-1338-59 to the case. A Site Remediation Reform Act (SRRA) Confirmed Discharge Notification form was subsequently submitted to NJDEP. This heating oil release was associated with an unregulated UST (total capacity of 2,001-gallons or less) and oversight was provided by NJDEP's Unregulated Heating Oil Tank Program (UHOT). Behram Turan, P.E., LSRP of CME

managed remedial activities on behalf of the city.

After removal of the tank, slight petroleum-like staining and odors were identified in soils directly underlying the UST. These soils were screened with a photo-ionization detector (PID) which detected volatile vapors ranging from 56 parts per million (ppm) to approximately 470 ppm. No excavation of impacted soils was conducted. Four (4) soil samples were collected along the centerline of the UST footprint. Soils immediately below the UST were not impacted with EPH, naphthalene, or 2-methylnaphthalene concentrations above their respective remediation standards and screening levels. A groundwater sample collected in the former UST area was detected with elevated concentrations of benzene, VOC TICs, and various SVOCs above GWQS.

Based on elevated groundwater concentrations of benzene and SVOCs in the former UST area, a remedial investigation was recommended in accordance with N.J.A.C. 7:26E and NJDEP's *Groundwater Technical Guidance* document (Version 1.0, April 3, 2012). Additionally, further soil investigation was recommended to confirm that deeper soils in the former UST area are not impacted above IGWSSL. The UST closure and site investigation activities are summarized in CME's January 2015 UST Closure and Site Investigation Report.

CME subsequently conducted a Remedial Investigation consisting of the collection of additional soil and groundwater samples. Soil sampling was conducted to evaluate the deeper soils underlying the former UST. There were no exceedances of the applicable NJDEP SRS detected in any of the samples. No further investigation or remediation of this AOC is required. A groundwater investigation was conducted to delineate the extent of groundwater contamination. The investigation identified several VOCs and SVOCs at concentrations exceeding the GWQS. Based on the results of the investigation, the extent of groundwater contamination has been delineated. Due to the presence of contaminants above the applicable remediation standards, remediation of this AOC is required. CME is currently preparing a Remedial Investigation Report.



## **PROJECT #15**

### **MONMOUTH COUNTY 2016 ON-CALL PROFESSIONAL ENGINEERING SERVICES RELATED TO AST AND UST SERVICES FOR VARIOUS MONMOUTH COUNTY FACILITIES**

|                  |                                                    |
|------------------|----------------------------------------------------|
| <b>Contact:</b>  | Ms. Casey Hornstra, PG, Environmental Specialist 2 |
| <b>Client:</b>   | Monmouth County                                    |
| <b>Tel:</b>      | (732)431-7760 ext. 8992                            |
| <b>Duration:</b> | April 2016 – Present                               |



CME performed On-Call Professional Environmental Engineering Services Related to AST and UST Services for Various Monmouth County Facilities for the period from April 1, 2016 through March 21, 2017. As part of the contract, CME completed the following tasks: (1) quarterly inspections of approximately eighteen (18) USTs and ASTs at various County facilities; (2) preparation of the design and technical specifications, and construction oversight for installation of a high-speed pump dispenser at Highway District #9; (3) closure of one (1) 1000-gallon Waste Oil UST (E-4) at the Monmouth County Reclamation Center; and, (4) preparation of a Spill Prevention Control and Countermeasure (SPCC) Plan for the Maintenance Building at MCRC, and updating the SPCC Plan for District #9 including the Wash Building Facility.

In January 2017, CME Associates performed a Site Investigation of a 1,000-gallon waste oil UST (Tank No. 00E4) at the Monmouth County Reclamation Center. Four (4) temporary soil borings were advanced via geoprobe to a total depth of fifteen (15) feet below ground surface on each side of the UST and one (1) soil sample was collected from each of the borings. The samples were analyzed for total extractable petroleum hydrocarbons (EPH). Results indicated soils at the boring locations were not impacted above applicable soil remediation standards, and there was not evidence of a discharge. However, soil environmental conditions are to be further evaluated upon removal of the UST.

In July/August 2016, and again in December 2016/ January 2017, CME Associates, with assistance from Accurate Tank Testing, LLC., completed quarterly inspection services for ASTs and USTs at eleven (11) Monmouth County locations. Following the inspections, CME prepared and submitted Quarterly Inspection Reports to the County.

In addition, as part of a contract for 2014 On-Call Environmental Engineering Services in support of the operation of the Monmouth County Reclamation Center facilities, CME previously performed a site investigation related to a former 1,000-gallon UST (E-5) at the Monmouth County Reclamation Center. No further investigation was recommended and CME issued RAO for the tank closure in December 2015.



## **PROJECT #16**

### **PRELIMINARY ASSESSMENT / REMEDIAL OVERSIGHT ACTIVITIES, FORMER SUNOCO SERVICE STATION, FREEHOLD, MONMOUTH COUNTY, NEW JERSEY**

|                  |                           |
|------------------|---------------------------|
| <b>Contact:</b>  | Robert Gallagher,         |
| <b>Client:</b>   | Ray Catena Motor Car Corp |
| <b>Tel:</b>      | (732)549-6606             |
| <b>Duration:</b> | May-September 2015        |



As part of a due diligence assessment of property conditions, CME Associates conducted a Preliminary Assessment, as well as conducted field oversight and split sampling services related to site remediation activities (by others) at the above referenced Site.

CME previously conducted a Preliminary Assessment (PA) which identified fourteen (14) Areas of Concern (AOCs) associated with the Site. CME recommended a Site Investigation (SI) be conducted at nine (9) of the identified AOCs.

The current property owner conducted remedial activities at the Site including the removal of three (3) gasoline underground storage tanks (USTs) at AOC #5 and two (2) fuel dispensers at AOC #6 during August 2015. CME provided field oversight and split sampling services in conjunction with the UST removal activities conducted by the property owner.

CME collected split soil samples from the same locations and at the same times as those collected by the property owner's consultant. CME's samples were submitted to TestAmerica Laboratories of Edison, New Jersey (NJDEP Certification No. 12028) for analyses.

Analytical results reported by the laboratory indicate that gasoline constituents were identified in several of CME's samples; however, the concentrations detected do not exceed their respective RDCSRS, NRDCSRS, and/or IGWSSL. Benzene was detected in one (1) of the property owner's Consultant's



samples at a concentration which slightly exceeded the IGWSSL. Compliance averaging was utilized to achieve compliance with the remedial standard and CME concluded that the removal actions have achieved the remedial objective. The owner's Consultant issued an Unrestricted Use Response Action Outcome (RAO) for the three (3) 10,000-gallon gasoline USTs in September 2015.

CME personnel conducted a follow-up site inspection in September 2015 to assess site conditions. It was noted that the Waste Oil AST (AOC #7), Motor Oil AST (AOC #8), and Aboveground Hydraulic Lifts (AOC #10) previously identified at the Site had been removed.



## SECTION 5 | HOURLY RATE SCHEDULE





# Consulting & Municipal ENGINEERS

## AUTHORITY CONSULTING ENGINEERING SERVICES GENERAL CONDITIONS AND HOURLY RATE SCHEDULE TO JANUARY 1, 2027

| Engineering Services                                                |       |          |
|---------------------------------------------------------------------|-------|----------|
| Associate Engineer or Designer                                      | \$184 | per hour |
| Engineer or Senior Designer                                         | \$208 | per hour |
| Project Engineer or Senior Designer II                              | \$217 | per hour |
| Associate Professional Engineer                                     | \$220 | per hour |
| Professional Engineer                                               | \$229 | per hour |
| Senior Professional Engineer, Principal Engineer, Or Project Leader | \$231 | per hour |
| Management Services                                                 |       |          |
| Project Manager                                                     | \$234 | per hour |
| Program Manager                                                     | \$235 | per hour |
| Senior Leadership                                                   | \$236 | per hour |
| Executive Leadership                                                | \$259 | per hour |
| Managing Partner                                                    | \$264 | per hour |
| Environmental Services                                              |       |          |
| Environmental Tech                                                  | \$139 | per hour |
| Associate Scientist / Staff Geologist                               | \$173 | per hour |
| Scientist / Project Geologist                                       | \$206 | per hour |
| Lead Scientist / Senior Geologist                                   | \$215 | per hour |
| Senior Scientist                                                    | \$217 | per hour |
| Associate Engineer, Environmental                                   | \$184 | per hour |
| Engineer, Environmental                                             | \$208 | per hour |
| Project Engineer, Environmental                                     | \$217 | per hour |
| Associate Professional Engineer, Environmental                      | \$220 | per hour |
| Professional Engineer, Environmental                                | \$229 | per hour |
| Construction Services                                               |       |          |
| Associate Construction Technician                                   | \$151 | per hour |
| Construction Technician                                             | \$158 | per hour |
| Senior Construction Technician                                      | \$189 | per hour |
| Construction Manager                                                | \$202 | per hour |
| Chief Construction Manager                                          | \$210 | per hour |
| Survey Services                                                     |       |          |
| Survey Technician                                                   | \$151 | per hour |
| Survey Manager                                                      | \$201 | per hour |
| Professional Surveyor                                               | \$222 | per hour |
| Party Chief                                                         | \$176 | per hour |
| Support Services                                                    |       |          |
| Support Staff                                                       | \$136 | per hour |
| Technical Staff                                                     | \$182 | per hour |
| Licensed Tree Expert                                                | \$166 | per hour |
| Planning & Landscape Architecture Services                          |       |          |
| Planner                                                             | \$159 | per hour |
| Senior Planner                                                      | \$188 | per hour |
| Professional Planner                                                | \$217 | per hour |
| Principal Planner                                                   | \$225 | per hour |
| Associate Landscape Designer                                        | \$153 | per hour |
| Landscape Architect                                                 | \$185 | per hour |
| Professional Landscape Architect                                    | \$204 | per hour |

AU26E



## Consulting & Municipal ENGINEERS

Invoices - CME Associates (CME) will submit invoices to Client monthly and a final invoice upon completion of services. Payment is due upon presentation of invoice and is past due thirty days from invoice date. Client agrees to pay a finance charge of one and one-half percent per month, or the maximum rate allowed by law, on past due accounts. In the event that the invoice is not paid voluntarily and promptly, and must therefore be referred to an attorney or agency for collection, the Client agrees to pay a collection fee equal to the actual attorney or agency collection fee incurred by CME. Overtime rates are applicable after eight hours Monday through Friday, and all day

Saturday and Sunday, and charged at one and one-half times the quoted rate. Holidays are charged at two times the quoted rate. Expenses incurred for reproduction, postage handling, photographs and for services including subconsultants equipment and facilities not furnished by CME are charged to the Client at cost plus fifteen percent. Automobile travel may be charged at the current rate per mile allowed by the Internal Revenue Service.

Standard of Care - Services performed by CME under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. NO OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

Contaminated Material - It is understood that CME is not, and has no responsibility as a handler, generator, operator, treater or storer, transporter or disposer of hazardous or toxic substances found or identified at any site. Client shall undertake or arrange for, either directly or indirectly through other contractors, the handling, removal, treatment, storage, transportation and disposal of hazardous substances or constituents found or identified at any site.

Utilities - In the execution of the work, CME will take all reasonable precautions to avoid damage or injury to subterranean structures or utilities. The Client agrees to hold CME harmless for any damages to subterranean structures which are not called to CME's attention and/or not correctly shown on the plans furnished.

Right of Entry/Worksite - Client will provide for right of entry for CME personnel and equipment necessary to complete the work. While CME will take all reasonable precautions to minimize any damage to the property it is understood by Client that in the normal course of some damage may occur, the correction of which is not part of this agreement.

Client shall furnish or cause to be furnished to CME all documents and information known to Client that relate to the identity, location, quantity, nature or characteristics of any hazardous or toxic substances at, on or under the site. In addition, Client will furnish or cause to be furnished such other information on surface and subsurface site conditions required by CME for proper performance of its services. CME shall be entitled to rely on Client provided documents and information in performing the services required under this Agreement; however, CME assumes no responsibility or liability for their accuracy or completeness.

CME will not direct, supervise or control the work of contractors or their subcontractors. CME services will not include a review or evaluation of the contractor's (or subcontractor's) safety measures.

CME shall be responsible only for its activities and that of its employees on any site. Neither the professional activities nor the presence of CME or its employees or subcontractors on a site shall imply that CME controls the operations of others, nor shall this be construed to be an acceptance by CME of any responsibility for jobsite safety.

Indemnification - To the full extent permitted by law, Client shall indemnify, defend and hold harmless CME and its subcontractors, consultants, agents, officers, directors and employees (herein collectively referred to as Engineer) from and against all claims, damages, losses and expenses, whether direct, indirect or consequential, including but not limited to fees and charges of attorneys and court and arbitration costs, arising out of or resulting from the services of work of Engineer or any claims against Engineer arising from the acts, omissions of work of others, unless it is proven in a court of competent jurisdiction that the Engineer is guilty of negligence or willful misconduct in connection with the services and such negligence or willful misconduct was the sole cause of the damages, claims and liabilities.

Client agrees to indemnify and hold harmless Engineer from and against all claims, damages, losses and expenses, direct or indirect, and consequential damages, including but not limited to fees and charges of attorneys and court and arbitration costs, brought by any person or entity, or claims against Engineer which arise out of, are related to, or are based upon, the actual or threatened dispersal, discharge, escape, release or saturation or smoke, vapors, soot, fumes, acids, alkalis, toxic chemical, radioactive materials, liquids, gases or any other material, upon, in or into the surface or subsurface soil; water or watercourse; objects; or any tangible or intangible matter.

To the fullest extent permitted by law, such indemnification shall apply regardless of the fault, negligence, breach of warranty or contract or strict liability of Engineer. This indemnification shall not apply to claims, damages, losses or expenses which are determined by a court of competent jurisdiction to be the sole result of negligence or willful misconduct by the Engineer of obligations under this Agreement.

Limitations of Liability - CME's total liability to Client for any and all injuries, claims, losses, expenses or damages whatsoever arising out of, or in any way related to, this Agreement from any cause or causes, including but not limited to CME's negligence, errors, omissions, strict liability, breach of contract or breach of warranty, shall not exceed the total contract amount for the services provided by CME or \$50,000, whichever is less.

In no event shall CME be liable for consequential damages, including, without limitation, loss of use or loss of profits, incurred by Client or their subsidiaries or successors, regardless of whether such claim is based upon alleged breach of contract, willful misconduct, or negligent act or omission.

Professional services rendered for a Client shall be provided for that Client. The Client is responsible for the proper operation and use of the subject facilities and/or report and nothing herein shall provide any rights to any third party. The Client, in authorizing CME to proceed, acknowledges that the professional responsibility is limited.

Termination - This Agreement may be terminated by either party upon fourteen (14) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, CME shall be paid for services performed to the termination notice date plus reasonable termination expenses.

In the event of termination, or suspension for more than three (3) months, prior to completion of all work contemplated by this Agreement, CME may complete such analyses and records as are necessary to complete its files and may also complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs of CME in completing such analyses, records and reports.

Assigns - The Client may not delegate, assign, sublet or transfer his duties or interests in this Agreement without the written consent of CME.

This agreement shall not create any rights or benefits to parties other than the Client and CME, except such other rights as may be specifically called for herein.



## **SECTION 6 | FORMS**

# MORRIS COUNTY MUA

## *Administrative Documents*

A. Please submit the following documents with your response to the RFP

| Owner's<br>Checkmarks |                                                                                | Bidder's<br>Initials |
|-----------------------|--------------------------------------------------------------------------------|----------------------|
| X                     | Statement of Ownership Disclosure                                              | BT                   |
| X                     | Non-Collusion Affidavit                                                        | BT                   |
| X                     | Disclosure of Investment Activities In Iran                                    | BT                   |
| X                     | Certification of Non-Involvement in Prohibited Activities in Russia or Belarus | BT                   |
| X                     | Affidavit of Non-Debarred Status                                               | BT                   |
| X                     | Affirmative Action Compliance Notice                                           | BT                   |
| X                     | Mandatory EEO Language                                                         | BT                   |
| X                     | Americans with Disability Act of 1990 Form                                     | BT                   |
| X                     | Anti-Discrimination Requirements                                               | BT                   |
| X                     | Pay to Play Advisory Notice                                                    | BT                   |
| X                     | Certificate of Employee Information Report/AA-302                              | BT                   |
| X                     | W-9                                                                            | BT                   |
| X                     | New Jersey Business Registration Certificate                                   | BT                   |
| X                     | Proposal (document not provided)                                               | BT                   |



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

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

**Name of Organization:** CME Associates

**Organization Address:** 3141 Bordentown Avenue, Parlin, NJ 08859

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

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

**Part II**

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

OR

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

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

| Name of Individual or Business Entity | Address |
|---------------------------------------|---------|
| See Attached                          |         |
|                                       |         |
|                                       |         |
|                                       |         |

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

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

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

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

| Stockholder/Partner/Member and Corresponding Entity Listed in Part II | Address |
|-----------------------------------------------------------------------|---------|
| See Attached                                                          |         |
|                                                                       |         |
|                                                                       |         |

**Part IV Certification**

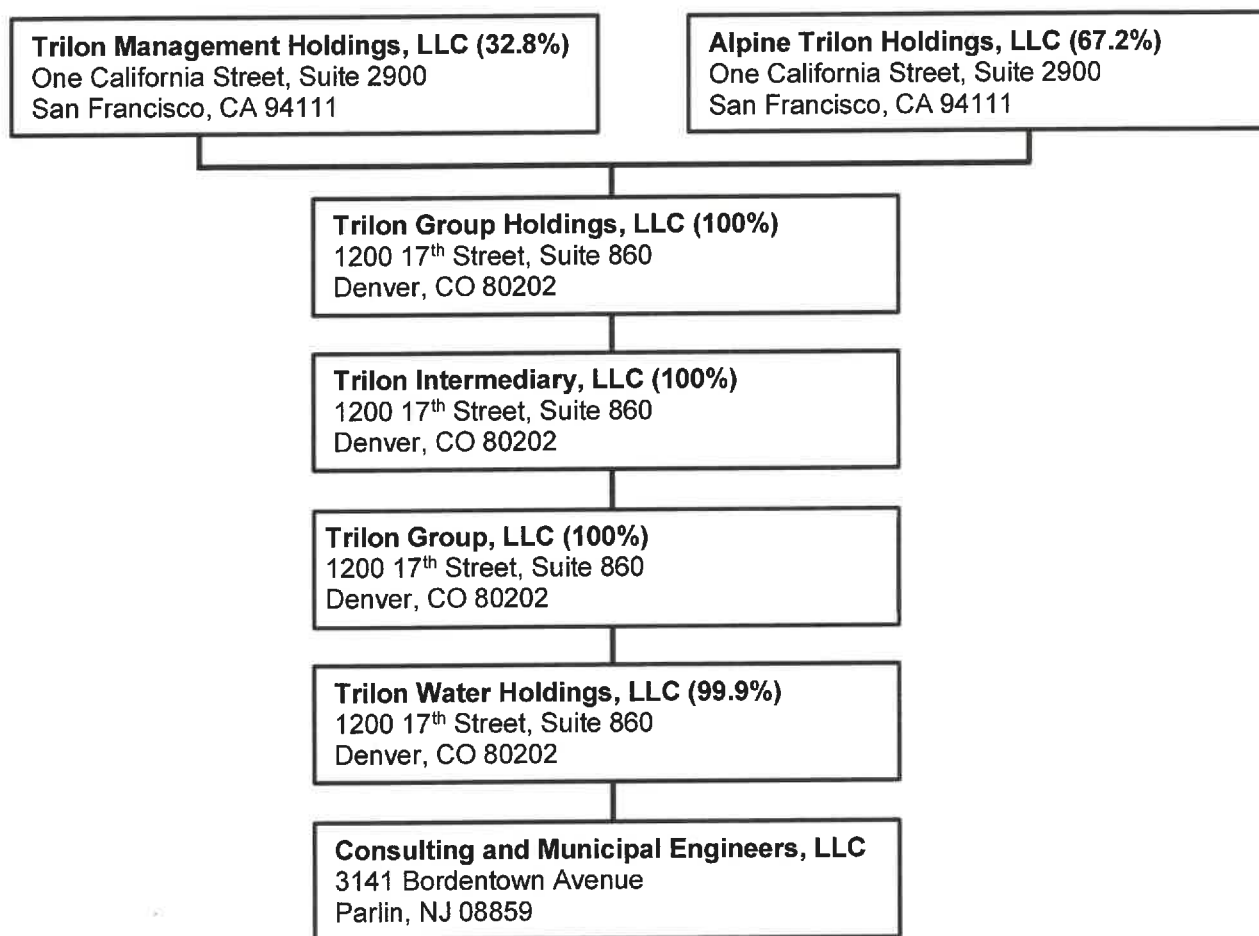
I, being duly sworn upon my oath, hereby represent that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I acknowledge: that I am authorized to execute this certification on behalf of the bidder/proposer; that the **Morris County Municipal Utilities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

|                    |                                                                                     |        |               |
|--------------------|-------------------------------------------------------------------------------------|--------|---------------|
| Full Name (Print): | Anand Paluri, PE, PTOE                                                              | Title: | President/CEO |
| Signature:         |  | Date:  | 1/7/2026      |



**ATTACHMENT TO STATEMENT OF OWNERSHIP  
REGARDING CME ASSOCIATES (CONSULTING AND MUNICIPAL ENGINEERS, LLC)**

CME Associates (Consulting and Municipal Engineers, LLC) is 99.9% owned by Trilon Water Holdings, LLC. • Trilon Water Holdings, LLC is wholly owned by Trilon Group, LLC. • Trilon Group, LLC is wholly owned by Trilon Intermediary, LLC. • Trilon Intermediary, LLC is wholly owned by Trilon Group Holdings, LLC. • Trilon Group Holdings, LLC is 32.8% owned by Trilon Management Holdings, LLC and 67.2% owned by Alpine Trilon Holdings, LLC.



No individual person, pursuant to the Statement of Ownership in accordance with the requirements of N.J.S.A 52:25-24.2 as set forth in the Proposal Documents, owns a 10% or greater interest in Trilon Management Holdings, LLC and Alpine Trilon Holdings, LLC.

# MORRIS COUNTY MUA

## Non-Collusion Affidavit

STATE OF NEW JERSEY

MORRIS COUNTY MUNICIPAL UTILITIES AUTHORITY ss:

I certify that I am Anand Paluri, PE, PTOE

of the firm of CME Associates

the Respondent making this Proposal for the bid or proposal for the above named project, that I executed the said proposal with full authority to do so; that said bidder has not, directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free, competitive bidding in connection with the above named project; and that all statements contained in said proposal and this affidavit are true, correct, and made with full knowledge that the Morris County Municipal Utilities Authority relies upon the truth of the statements contained in said Proposals and in the statements contained in this affidavit in awarding the contract for the said project.

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

Signature of Representative: Anand Paluri

Subscribed and sworn to before me this 7<sup>th</sup> day of January, 2026

Print Name of Affiant: Neelima Choudary Neelima Choudary

Notary Public of New Jersey

My commission expires 01/05/2028

NEELIMA CHOUDARY  
Notary Public, State of New Jersey  
Comm. # 50205547  
My Commission Expires 01/05/2028



# MORRIS COUNTY MUA

## *Disclosure of Investment Activities in Iran*

Pursuant to Public Law 2012, c. 25, any person or entity that submits a bid or proposal or otherwise proposes to enter into or renew a contract must complete the certification below to attest, under penalty of perjury, that the person or entity, or one of the person or entity's parents, subsidiaries, or affiliates, is not identified on a list created and maintained by the Department of the Treasury as a person or entity engaging in investment activities in Iran. If the Director finds a person or entity to be in violation of the principles which are the subject of this law, s/he shall take action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the person or entity.

**I certify, pursuant to Public Law 2012, c. 25, that the person or entity listed for which I am authorized to bid/renew:**

Bidder/Officer: CME Associates

☒ is not providing goods or services of \$20,000,000 or more in the energy sector of Iran, including a person or entity that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran; is not a financial institution that extends \$20,000,000 or more in credit to another person or entity, for 45 days or more, if that person or entity will use the credit to provide goods or services in the energy sector in Iran.

**In the event that a person or entity is unable to make the above certification because it or one of its parents, subsidiaries, or affiliates has engaged in the above-referenced activities, a detailed, accurate and precise description of the activities must be provided in part 2 below to the Division of Purchase under penalty of perjury. Failure to provide such will result in the proposal being rendered as non-responsive and appropriate penalties, fines and/or sanctions will be assessed as provided by law.**

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

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

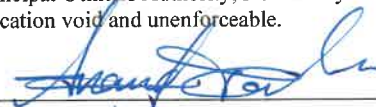
Name: \_\_\_\_\_ Relationship to Bidder/Officer: \_\_\_\_\_

Description of Activities: \_\_\_\_\_

Duration of Engagement: \_\_\_\_\_ Anticipated Cessation Date: \_\_\_\_\_

Bidder/Officer Contact Name: \_\_\_\_\_ Contact Phone Number: \_\_\_\_\_

**Certification:** I, being duly sworn upon my oath, hereby represent and state that the foregoing information and any attachments thereto to the best of my knowledge are true and complete. I attest that I am authorized to execute this certification on behalf of the above-referenced person or entity. I acknowledge that Town/ Township/ Borough/Government Agency is relying on the information contained herein and thereby acknowledge that I am under a continuing obligation from the date of this certification through the completion of any contracts with the MCMUA to notify the MCMUA in writing of any changes to the answers of information contained herein. I acknowledge that I am aware that it is a criminal offense to make a false statement or misrepresentation in this certification, and if I do so, I recognize that I am subject to criminal prosecution under the law and that it will also constitute a material breach of my agreement(s) with Morris County Municipal Utilities Authority, New Jersey and that the MCMUA at its option may declare any contract(s) resulting from this certification void and unenforceable.

Full Name (Print): Anand Paluri, PE, PTOE Signature: 

Title: President/CEO Date: 1/7/2026

# MORRIS COUNTY MUA

## Certification of Non-Involvement in Prohibited Activities in Russia or Belarus

Pursuant to N.J.S.A. 52:32-60.1, et seq. and N.J.S.A.40A:11-2.2 (L. 2022, c. 3) any person or entity (hereinafter "Vendor") that seeks to enter into or renew a contract with a local contracting unit subject to the Local Public Contracts Law for the provision of goods or services, or the purchase of bonds or other obligations, must complete the certification below indicating whether or not the Vendor is identified on the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, available here: <https://sanctionssearch.ofac.treas.gov/>. If the Department of the Treasury finds that a Vendor has made a certification in violation of the law, it shall take any action as may be appropriate and provided by law, rule or contract, including but not limited to, imposing sanctions, seeking compliance, recovering damages, declaring the party in default and seeking debarment or suspension of the party.

I, the undersigned, certify that I have read the definition of "Vendor" below, and have reviewed the Office of Foreign Assets Control (OFAC) Specially Designated Nationals and Blocked Persons list, and having done so certify

(Check the Appropriate Box)

- ☒ A. That the Vendor is not identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).
- OR**
- ☐ B. That I am unable to certify as to "A" above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list on account of activity related to Russia and/or Belarus](#).
- OR**
- ☐ C. That I am unable to certify as to "A" above, because the Vendor is identified on the [OFAC Specially Designated Nationals and Blocked Persons list](#). However, the Vendor is engaged in activity related to Russia and/or Belarus consistent with federal law, regulation, license or exemption. A detailed description of how the Vendor's activity related to Russia and/or Belarus is consistent with federal law is set forth below.

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(Attach Additional Sheets If Necessary.)

|                                                                                     |                        |
|-------------------------------------------------------------------------------------|------------------------|
|  | Date <u>1/7/2026</u>   |
| Signature of Vendor's Authorized Representative                                     |                        |
| Anand Paluri, PE, PTOE - President/CEO                                              | 22-3484435             |
| Print Name and Title of Vendor's Authorized Representative                          | Vendor's FEIN          |
| CME Associates                                                                      | 732-727-8000           |
| Vendor's Name                                                                       | Vendor's Phone Number  |
| 3141 Bordentown Avenue                                                              | 732-727-3989           |
| Vendor's Address (Street Address)                                                   | Vendor's Fax Number    |
| Parlin, NJ 08859                                                                    | apaluri@cmeusa1.com    |
| Vendor's Address (City/State/Zip Code)                                              | Vendor's Email Address |

<sup>i</sup> Vendor means: (1) A natural person, corporation, company, limited partnership, limited liability partnership, limited liability company, business association, sole proprietorship, joint venture, partnership, society, trust, or any other nongovernmental entity, organization, or group; (2) Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in Section 1701(c)(3) of the International Financial Institutions Act, 22 U.S.C. 262r(c)(3); or (3) Any parent, successor, subunit, direct or indirect subsidiary, or any entity under common ownership or control with, any entity described in paragraph (1) or (2).

### Affidavit of Non-Debarred Status

# MORRIS COUNTY MUA

## *Affirmative Action Compliance Notice*

### EXHIBIT A

#### **GOODS, GENERAL SERVICES, AND PROFESSIONAL SERVICES CONTRACTS**

This form is a summary of the successful vendor's requirement to comply with the requirements of N.J.S.A. 10:5-31 and N.J.A.C. 17:27.

The respondent shall submit to the public agency, one of the following three documents as forms of evidence:

1. Letter of Federal Affirmative Action Plan Approval
2. Certificate of Employee Information Report
3. A photocopy of an Employee Information Report (AA302) provided by the Division and distributed to the public agency to be completed by the vendor in accordance with N.J.A.C. 17:27-4.

The vendor must submit the copies of the AA302 Report to the Division of Contract Compliance and Equal Employment Opportunity in Public Contracts (Division). The Public Agency copy is submitted to the public agency, and the vendor copy is retained by the vendor.

The undersigned vendor further understands that his/her proposal shall be rejected as non-responsive if said vendor fails to comply with the requirements of N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27.

**Business Name:** CME Associates

**Representative's Name (print):** Anand Paluri, PE, PTOE - President/CEO

**Representative's Signature:**



**Date:**

1/7/2026



# **MORRIS COUNTY MUA**

## ***Mandatory EEO Language***

### **EXHIBIT A**

#### **MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE**

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

**N.J.A.C. 17:27 et seq.**

#### **GOODS, GENERAL SERVICES, AND PROFESSIONAL SERVICES CONTRACTS**

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

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

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

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

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

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

# MORRIS COUNTY MUA

## *Mandatory EEO Language*

will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

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

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions. The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

**Letter of Federal Affirmative Action Plan Approval;**

**Certificate of Employee Information Report; or**

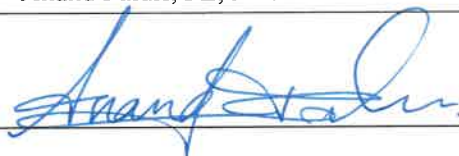
**Employee Information Report Form AA-302 (electronically provided by the Division and distributed to the public agency through the Division's website at: [http://www.state.nj.us/treasury/contract\\_compliance](http://www.state.nj.us/treasury/contract_compliance).**

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

**Business Name:** CME Associates

**Representative's Name (print):** Anand Paluri, PE, PTOE - President/CEO

**Representative's Signature:**



**Date:**

1/7/2026

# MORRIS COUNTY MUA

## *Americans with Disabilities Act of 1990*

The CONTRACTOR and the OWNER do hereby agree that the provisions of Title 11 of the Americans With Disabilities Act of 1990 (the "ACT") (42 U.S.C. S12101 et seq.), which prohibits discrimination on the basis of disability by public entities in all services, programs, and activities provided or made available by public entities, and the rules and regulations promulgated pursuant thereunto, are made a part of this contract. In providing any act benefit, or service on behalf of the OWNER pursuant to this contract, the CONTRACTOR agrees that the performance shall be in strict compliance with the Act. In the event that the Contractor, its agents, servants, employees, or subcontractors violate or are alleged to have violated the Act during the performance of this contract, the CONTRACTOR shall defend the OWNER in any action or administrative proceeding commenced pursuant to this Act. The Contractor shall indemnify, protect, and save harmless the OWNER, its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages, of whatever kind or nature arising out of or claimed to arise out of the alleged violation. The CONTRACTOR shall, at its own expense, appear, defend, and pay any and all charges for legal services and any and all costs and other expenses arising from such action or administrative proceeding or incurred in connection therewith. In any and all complaints brought pursuant to the OWNER grievance procedure, the CONTRACTOR agrees to abide by any decision of the OWNER which is rendered pursuant to said grievance procedure. If any action or administrative proceeding results in an award of damages against the OWNER or if the OWNER must any expense to cure a violation of the ADA which has been brought pursuant to its grievance procedure, the CONTRACTOR shall satisfy and discharge the same at its OWN expense.

The OWNER shall, as soon as practicable after a claim has been made against it, give written notice thereof to the CONTRACTOR along with frill and complete particulars of the claim. if any action or administrative proceedings is brought against the OWNER or any of its agents, servants, and employees, the OWNER shall expeditiously forward or have forwarded to the CONTRACTOR every demand, complaint, notice, summons, pleading, or other process received by the OWNER or its representatives.

It is expressly agreed and understood that any approval by the OWNER of the services provided by the CONTRACTOR pursuant to this contract will not relieve the CONTRACTOR of the obligation to comply with the Act and to defend, indemnify, protect, and save harmless the OWNER pursuant to this paragraph.

It is further agreed and understood that the OWNER assumes no obligation to indemnify or save harmless the CONTRACTOR, its agents, servants, employees and subcontractors for any claim which may arise out of their performance of this Agreement. Furthermore, the CONTRACTOR expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the CONTRACTOR'S obligations assumed in this Agreement, nor shall they be construed to relieve the CONTRACTOR from any liability, nor preclude the OWNER from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

## MORRIS COUNTY MUA

### *Americans with Disabilities Act of 1990*

Furthermore, the contractor expressly understands and agrees that the provisions of this indemnification clause shall in no way limit the contractor's obligations assumed in this Agreement, nor shall they be construed to relieve the contractor from any liability, nor preclude the owner from taking any other actions available to it under any other provisions of the Agreement or otherwise at law.

**Business Name (Print):** CME Associates

**Representative's Name (Print):** Anand Paluri, PE, PTOE

**Representative's Title:** President/CEO

**Representative's Signature:**



**Phone:** 732-727-8000

**Date:**

1/2/2026



# MORRIS COUNTY MUA

## *New Jersey Anti-Discrimination*

Pursuant to N.J.S.A. 10:2-1:

- a. In the hiring of persons for the performance of work under this contract or any subcontract hereunder, or for the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under this contract, no contractor, nor any person acting on behalf of such contractor or subcontractor, shall, by reason of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex, discriminate against any person who is qualified and available to perform the work to which the employment relates;
- b. No contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee engaged in the performance of work under this contract or any subcontract hereunder, or engaged in the procurement, manufacture, assembling or furnishing of any such materials, equipment, supplies or services to be acquired under such contract, on account of race, creed, color, national origin, ancestry, marital status, gender identity or expression, affectional or sexual orientation or sex;
- c. There may be deducted from the amount payable to the contractor by the contracting public agency, under this contract, a penalty of \$ 50.00 for each person for each calendar day during which such person is discriminated against or intimidated in violation of the provisions of the contract; and
- d. This contract may be canceled or terminated by the contracting public agency, and all money due or to become due hereunder may be forfeited, for any violation of this section of the contract occurring after notice to the contractor from the contracting public agency of any prior violation of this section of the contract.

**Business Name (Print):** CME Associates

**Representative's Name (Print):** Anand Paluri, PE, PTOE

**Representative's Title:** President/CEO

**Representative's Signature:**



**Phone:** 732-727-8000

**Date:**

1/7/2026

# MORRIS COUNTY MUA

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## *Pay to Play Advisory*

### **PAY TO PLAY ADVISORY**

**Disclosure Requirement  
(N.J.S.A. 19:44A – 20.27)**

Any business entity that has received \$50,000 or more in contracts from government entities in a calendar year will be required to file an annual disclosure report with ELEC.

The report will include certain contributions and contract information for the current calendar year.

At a minimum, a list of all business entities that file an annual disclosure report will be listed on ELEC's website at [www.elec.state.nj.us](http://www.elec.state.nj.us).

If you have any questions please contact ELEC at:  
1-888-313-ELEC (toll free in NJ) or  
609-292-8700

An analyst from ELEC's Special Programs Section will assist you.

Initials



Certification 1818

**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-FEB-2023** to **25-FEB-2026**

**CME ASSOCIATES**  
**1460 ROUTE 9, SOUTH**  
**HOWELL**

**NJ 07731 1294**



*Elizabeth Maher Muoio*  
**ELIZABETH MAHER MUOIO**  
State Treasurer



# Request for Taxpayer Identification Number and Certification

Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

Give form to the  
requester. Do not  
send to the IRS.

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.)

**Consulting & Municipal Engineers, LLC**

2 Business name/disregarded entity name, if different from above.

**CME Associates**

3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor ☐ C corporation ☐ S corporation ☐ Partnership ☐ Trust/estate

☒ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership)

Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.

☐ Other (see instructions)

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any)

Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any)

(Applies to accounts maintained outside the United States.)

3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions ☐

5 Address (number, street, and apt. or suite no.). See instructions.

**3141 Bordentown Avenue**

6 City, state, and ZIP code

**Parlin, New Jersey 08859**

7 List account number(s) here (optional)

Requester's name and address (optional)

## Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

\_\_\_\_ - \_\_\_\_ - \_\_\_\_

or

Employer identification number

2 2 - 3 4 8 4 4 3 5

## Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign  
Here

Signature of  
U.S. person

*for Marchetti*

Date

1/9/26

## General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9).

## What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

## Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they





## STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE

**Taxpayer Name:** CONSULTING AND MUNICIPAL ENGINEERS LLC

**Trade Name:**

**Address:** 1460 ROUTE 9 SOUTH  
HOWELL, NJ 07731

**Certificate Number:** 2786089

**Effective Date:** October 31, 2022

**Date of Issuance:** January 03, 2023

**For Office Use Only:**  
**20230103100839074**



# CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 2

DATE (MM/DD/YYYY)  
12/30/2025

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).

| <b>PRODUCER</b><br>Willis Towers Watson Insurance Services West, Inc.<br>c/o 26 Century Blvd<br>P.O. Box 305191<br>Nashville, TN 372305191 USA | <b>CONTACT</b><br>NAME: WTW Certificate Center<br>PHONE (A/C, No, Ext): 1-877-945-7378<br>FAX (A/C, No): 1-888-467-2378<br>E-MAIL: certificates@wtwco.com<br>ADDRESS:                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------|-------------------------------------------------------|-------|-------------------------------------------|-------|----------------------------------|-------|----------------------------------------|-------|-------------------------------------------------------|-------|------------|--|
| <b>INSURED</b><br>Consulting and Municipal Engineers LLC (CME Associates)<br>1460 Route 9 S<br>Howell, NJ 07731                                | <table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: National Union Fire Insurance Company of P</td><td>19445</td></tr><tr><td>INSURER B: Allied World Insurance Company</td><td>22730</td></tr><tr><td>INSURER C: AIU Insurance Company</td><td>19399</td></tr><tr><td>INSURER D: Lexington Insurance Company</td><td>19437</td></tr><tr><td>INSURER E: Allied World Surplus Lines Insurance Compa</td><td>24319</td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table> | INSURER(S) AFFORDING COVERAGE | NAIC # | INSURER A: National Union Fire Insurance Company of P | 19445 | INSURER B: Allied World Insurance Company | 22730 | INSURER C: AIU Insurance Company | 19399 | INSURER D: Lexington Insurance Company | 19437 | INSURER E: Allied World Surplus Lines Insurance Compa | 24319 | INSURER F: |  |
| INSURER(S) AFFORDING COVERAGE                                                                                                                  | NAIC #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
| INSURER A: National Union Fire Insurance Company of P                                                                                          | 19445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
| INSURER B: Allied World Insurance Company                                                                                                      | 22730                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
| INSURER C: AIU Insurance Company                                                                                                               | 19399                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
| INSURER D: Lexington Insurance Company                                                                                                         | 19437                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
| INSURER E: Allied World Surplus Lines Insurance Compa                                                                                          | 24319                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |
| INSURER F:                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                               |        |                                                       |       |                                           |       |                                  |       |                                        |       |                                                       |       |            |  |

**COVERAGES**

CERTIFICATE NUMBER: W43357631

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 SUBR INSD WVD                            | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS     |                                                                                                                                                                                                                                             |                                                                                                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------|-------------------------|-------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A        | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY<br><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR<br><br>GEN'L AGGREGATE LIMIT APPLIES PER:<br><input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC<br>OTHER: | Y                                             | Y             | 042670158               | 12/31/2025              | 12/31/2026 | EACH OCCURRENCE \$ 2,000,000<br>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 2,000,000<br>MED EXP (Any one person) \$ 10,000<br>PERSONAL & ADV INJURY \$ 2,000,000<br>GENERAL AGGREGATE \$ 4,000,000<br>PRODUCTS - COMP/OP AGG \$ 4,000,000 |                                                                                                                                                                                                           |
| A        | <b>AUTOMOBILE LIABILITY</b><br><input checked="" type="checkbox"/> ANY AUTO<br>OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS<br>HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY                                                                                                          | Y                                             | Y             | 042670159               | 12/31/2025              | 12/31/2026 | COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000<br>BODILY INJURY (Per person) \$<br>BODILY INJURY (Per accident) \$<br>PROPERTY DAMAGE (Per accident) \$                                                                                   |                                                                                                                                                                                                           |
| B        | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR<br><input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE<br>DED <input checked="" type="checkbox"/> RETENTION \$ 10,000                                                                             |                                               |               | 0314-9729               | 12/31/2025              | 12/31/2026 | EACH OCCURRENCE \$ 5,000,000<br>AGGREGATE \$ 5,000,000                                                                                                                                                                                      |                                                                                                                                                                                                           |
| C        | <b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b><br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below                                                                                                                       | Y/N<br><input checked="" type="checkbox"/> No | N/A           | Y                       | 042670162               | 12/31/2025 | 12/31/2026                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER<br>E.L. EACH ACCIDENT \$ 1,000,000<br>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000<br>E.L. DISEASE - POLICY LIMIT \$ 1,000,000 |
| D        | Excess Liability                                                                                                                                                                                                                                                                                                    |                                               |               | 012147867               | 12/31/2025              | 12/31/2026 | Each Occurrence \$5,000,000<br>excess of \$5,000,000                                                                                                                                                                                        |                                                                                                                                                                                                           |

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

The Certificate Holder included as an Additional Insured as respects to General Liability and Auto Liability. The General Liability and Auto Liability shall be Primary and Non-Contributory with any other insurance in force for or which may be purchased by The Certificate Holder. Waiver of Subrogation applies in favor of The Certificate Holder with respects to General Liability, Auto Liability, and Workers Comp, as permitted by law.

SEE ATTACHED

**CERTIFICATE HOLDER****CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Evidence of Insurance

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