

# **RENOVA** environmental company

## STATEMENT OF QUALIFICATIONS



**RENOVA Environmental Company**  
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**Employee-Owned, MBE/DBE/SBE**

CAGE Code	688J7
DSBS	P1464090
EMR	.763
Primary NAICS Code	562910
Unique Entity ID	YF39CKB7W4Y3
DUNS	042451981

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## 1.0 INTRODUCTION

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RENOVA is a minority-owned small business with core competencies as a self-performing environmental remediation, construction, and project management firm serving our clients since 2006. We are adept at serving in the role of prime contractor and also support projects and teams as a key subcontractor. RENOVA's differentiator is that we are equally adept at field construction as providing our clients with project management and back-office support. RENOVA employs an experienced team of heavy equipment and CDL operators, skilled laborers, project managers, environmental scientists and engineers. We welcome projects ranging from underground storage tank management to large-scale, complex remedial implementations at active sites. We have a proven track record of delivering projects safely, efficiently, and with quality workmanship. Serving government and private clients, let RENOVA handle all your environmental construction needs – licensed, bonded, and insured for peace of mind.

### **Mission Statement**

*Our mission is to safely provide cost-effective environmental construction services through process-driven systems to protect human health and the environment, and to support our clients by maximizing the overall value of their projects.*

## 2.0 PROFESSIONAL SERVICES DESCRIPTION

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RENOVA offers a wide variety of cost-effective and responsive contracting services to public and private clients. We are proficient at working for federal agencies, public utilities, municipalities, non-governmental organizations, environmental consulting and engineering firms, insurance companies, environmental attorneys, general contractors, and private developers.

RENOVA's experienced, in-house crews consist of OSHA-30 construction supervisors and OSHA-40 HAZWOPER-trained equipment operators, CDL drivers, and field technicians.

RENOVA is proud to consider itself an expert in offering the following services:

### **2.1 Environmental Remediation & Construction Services**

RENOVA offers turnkey environmental construction services. Our experienced team provides value engineering and high-quality implementation for the remediation of contaminated media from hazardous and non-hazardous sources. RENOVA self-performs a wide variety of services, which results in project implementations that are safely and efficiently executed and that meet or exceed quality objectives. We maintain a rolling stock of heavy machinery and support vehicles and equipment, reducing cost and maximizing project uptime. RENOVA's thoroughly vetted team of subcontractors, large business partners, and other resources enables us to provide turnkey solutions on larger and more complex projects.

Services Include:

- Soil Excavation
- In-Situ Soil Solidification and Stabilization (ISS)
- Underground Storage Tank (UST) Management
- Landfill Capping
- Geotechnical Construction
- Transportation and Disposal
- Dewatering and Groundwater Pump and Treat
- Operation and Maintenance (O&M) of Remediation Systems
- Underground Storage Tank (UST) Management

## **2.2 Specialty Heavy Civil Services**

RENOVA's heavy civil capabilities are applicable on various types of horizontal construction projects. Our experience and versatility as a contractor translate to a responsive, turnkey field implementation services.

Services Include:

- Sewer Line Rehabilitation and Catch Basin Installation
- Water Treatment System Construction
- Decommissioning and Demolition
- HDPE Pipe Installation
- Infiltration Gallery Installation

## **2.3 Environmental Restoration Services**

RENOVA understands the need to make our waterfront more resilient is only increasing with climate change and sea level rise. As such, RENOVA has adapted our specialized heavy civil capabilities to waterfront restoration projects, ranging from dredge soil management to shoreline stabilization. Our team assimilates our unique skillsets into our clients' projects seamlessly, adding value from project inception and planning through implementation.

Services Include:

- Coastal Resiliency Projects
- Shoreline Stabilization
- Natural and Nature-Based Features (NNBFs)
- Upland Dredge Soil Management
- Habitat Restoration
- Working from Barges
- Beach Remediation/Sand Removal

### 3.0 SAFETY AND TRAINING PROGRAMS

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#### 3.1 Corporate Health and Safety Program

RENOVA's top priority is always the safety of our team members and of others who may encounter our project sites. Our entire organization embraces a culture of safety to ensure everyone's health and to ensure compliance with regulatory requirements. All team members are trained in the latest OSHA safety and construction standards and participate in periodic re-training and certification programs. Toolbox Talks are given daily with all field personnel. Independent, 3rd party safety audits, in addition to unannounced management-led safety visits, provide a fresh set of eyes and ideas to make sure RENOVA's Health and Safety Program is effective.

Certification and Training Programs Include:

- OSHA 40 Hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Training
- OSHA 30 Hour Construction Safety and Health Training
- OSHA Confined Space Entry Training
- Fall Protection
- US EPA Hazardous/Toxic Waste Management Training
- US DOT Hazardous Materials Transportation Certification
- First Aid/ CPR Certification
- Commercial Driver's License – Class A and Hazardous Materials Endorsements



Safety Program Highlights:

- Daily tailgate safety meetings conducted and documented by field crews.
- Weekly unannounced safety audits of job sites by Renova's management team. These provide invaluable, real-time feedback on our ever-evolving safety program.
- Quarterly, mandatory company-wide safety training events on topics and events specific to the work we perform, conducted by seasoned safety professionals. In addition, quarterly unannounced safety audits are conducted by 3<sup>rd</sup> party safety professionals.
- Proactive upgrade from hard hats to helmets, portrayed above, which greatly exceed standard industry practice and OSHA requirements. Helmets are equipped with an integrated chin strap, full-face shield, and earmuffs.
- Proactive upgrade from standard safety glasses to spoggles, for greater eye protection.
- Proactive upgrade of all work gloves to Cut Level 4 protection, which are mandatory onsite.
- To facilitate effective communication, particularly around heavy machinery, two-way radios are mandated on all job sites.

## Appendix I SUMMARY INFORMATION

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### A. Summary Information

- Primary NAICS Code: 562910 (Remediation Services)
- Unique Entity ID: YF39CKB7W4Y3
- CAGE Code: 688J7
- DUNS #: 042451981
- DSBS #: P1464090
- Bonding Capacity: 12M individual / 25M aggregate
- EMR: .763 (through 06 DEC 2023)
- GSA Contract Holder: 47QRAA20D005N
- DBE Certified

### B. Certifications and Licenses

- NJ Business Registration Certification #: 128874
- NJ Public Works Contractor Certification #: 687204
- NJDEP UST Certification #: US331315
  - *for Closure, Subsurface Evaluation, and Tank Testing*
- NJ SBE Certification #: A0162-39
- NJ MBE Certification #: 65428-20
- NY State MBE Certification #: 63335
- NYC MBE Certification #: MWCERT2017-1054
- Unified Certification Program (UCP) MBE/DBE-Certified (recognized by NY/NJ Port Authority, NJ DOT, PennDOT, etc...)
- City of Newark Business License: 2019-080294
- Hazardous Materials Certification #: 120319550009BC
- NJDEP A-901 License Holder
- NJ Home Improvement License #: 13VH11625600

### C. Insurance Information

- Commercial General Liability/Professional Liability/Contractors Pollution Liability
  - Carrier: Aspen Specialty Insurance Company
  - Coverage: \$1MM Each Occurrence / \$2MM General Aggregate
- Umbrella Liability/Excess Liability
  - Carrier: Aspen Specialty Insurance Company
  - Coverage: \$10MM Each Occurrence / \$10MM General Aggregate
- Commercial Automobile Insurance
  - Carrier: New Jersey Manufacturers Insurance Company
  - Coverage: \$1MM Combined Single Limit (CSL) Each Accident Liability
- Workers Compensation
  - Carrier: New Jersey Manufacturers Insurance Company
  - Coverage: \$1MM Each Accident / \$1MM Policy Limit (per statutory limits)

### D. Affiliations and Memberships

- Society of American Military Engineers (SAME)
- Brownfield Coalition of the Northeast (BCONE)
- Licensed Site Remediation Professional Association (LSRPA)
- Commerce and Industry Association of New Jersey - Environmental Business Council (CIANJ EBC)
- New Jersey Land Improvement Contractors Association (NJLICA)
- New Jersey Corporate Wetlands Restoration Partnership (NJCWRP)
- Better Business Bureau (BBB)

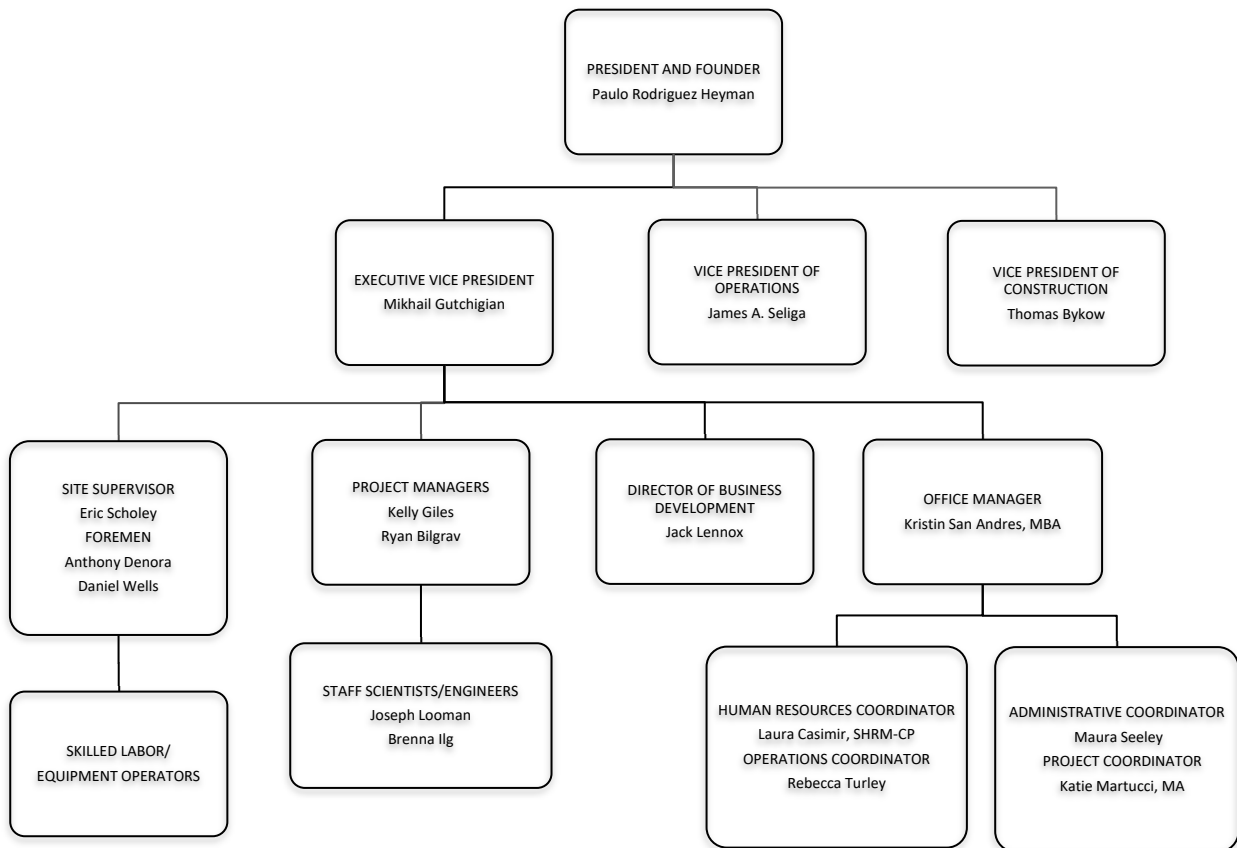
## Appendix II PROFESSIONAL PROFILES

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### OUR TEAM

RENOVA's in-house team consists of project managers, environmental scientists, and heavy equipment and CDL operators.

### ORGANIZATIONAL CHART





## Appendix III PROJECT DESCRIPTIONS

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## **BROWNFIELD IN-SITU SOIL SOLIDIFICATION/STABILIZATION**

**SITE**

Brownfield Site

**LOCATION**

Brooklyn, New York

**CLIENT**

74 Bogart LLC

**DATE**

AUG 2022-OCT 2022

**Project Value:**

\$940k



RENOVA was contracted to provide in-situ soil solidification/stabilization (ISS) at a brownfield site in Brooklyn, NY. RENOVA seamlessly integrated with the project team, including the client, their environmental engineer, and NYSDEC. The site was located in a densely-populated urban environment. There were no complaints from residents and no exceedances detected by the perimeter air monitoring program for the duration of the project. Prior to mobilization, RENOVA prepared a comprehensive health and safety plan (HASP), ISS work plan, and performed a GSSI SIR ground penetrating radar system survey. Once on-site, RENOVA's automated batch plant and 40-ton silo were staged using a 60-ton crane. RENOVA then removed the existing asphalt and five feet of non-hazardous and hazardous soil and sent all waste streams for disposal. RENOVA implemented ISS on 3,000 tons of contaminated soil via bucket mixing utilizing a 40-ton excavator. The excavator also mitigated the additional expense of contending with buried debris. The mix design was 3.0% Blastox 125, via supersacks, and 5.0% Type I/II Portland Cement, mixed and delivered via batch plant.

In addition to performing soil treatment activities, RENOVA continuously obtained representative samples of the treated material for quality control purposes to confirm that each mixed cell achieved a reliably continuous mix in accordance with Interstate Technology & Regulatory Council (ITRC) standards. Samples were analyzed for the following parameters: unconfined compressive strength (UCS), hydraulic conductivity (HC), and synthetic precipitation leaching procedure (SPLP). RENOVA surveyed for a final topographic survey of the ISS mixed area. RENOVA then emplaced a 6" layer of ¾" stone atop a non-woven geotextile fabric, providing a capillary break. The area was then backfilled with clean stone, compacted in lifts. RENOVA completed work safely with no recordable incidents, ahead of schedule, and on budget.

## SHORELINE RESTORATION

### SITE

Seaview at Shark River Island  
Residential Properties

### LOCATION

Neptune, New Jersey

### CLIENT

Seaview at Shark River  
Condominium Association

### DATE

JUL 2021-SEP 2021

### Project Value:

\$140K



RENOVA was selected as the implementation contractor for the stabilization of an eroding shoreline to protect the 200 residential units of a condominium association on Shark River Island in Neptune, New Jersey. RENOVA worked closely with the key stakeholders, with involvement from the engineer of record, American Littoral Society (ALS), New Jersey Department of Environmental Protection and United States Army Corps of Engineers.

The marine mattresses selected for the project were designed and manufactured by EConcrete® to enable a biodiverse ecosystem of marine life to grow on the grooved, concrete substrate. The mattresses effectively reduce flood risk, protect the nearby residences, stabilize the shoreline, and expand the marsh buffer.

RENOVA mobilized to the site in July 2021 and coordinated the implementation schedule within the tidal cycle. Clean fill was imported and placed to regrade the eroded shoreline and then covered with geotextile fabric to ensure stability. Forty-two (42) marine mattresses were emplaced along the shoreline via crane. RENOVA then constructed two (2), 100ft sills within the adjacent marsh area, constructed of Tensar® polymer gabion baskets and filled in place with 3-5" riprap stone. The installation was swiftly coordinated between tidal changes to shuttle stone and fill and lace the gabion baskets closed.

RENOVA then imported and placed additional clean fill to regrade the marsh area behind the sill. The site was restored with saltmarsh cordgrass and upland shrubs, coordinated by the American Littoral Society (ALS) and their volunteers. RENOVA completed the project with zero reportable incidents or safety concerns.

## DESIGN-BUILD SHEET PILE TIEBACK WALL AND ECOSYSTEM RESTORATION

### SITE

Old Nuodex Site

### LOCATION

Keasbey, New Jersey

### CLIENT

USA Environmental, LP

### DATE

2013-2014

### Project Value:

\$need thisM



RENOVA self-performed on the construction of a 550-linear-foot sheet pile tieback wall, constructed to allow the prime contractor to safely and effectively excavate radiologically-contaminated soil, while preventing the costly and unnecessary soil disposal caused by sloughing of the excavation walls.

RENOVA initially designed the wall to incorporate helical pile tiebacks. Heavy debris layers, previously unidentified in the limited geotechnical investigations, were impenetrable by the helical piles. RENOVA proposed an alternate design to account for the subsurface obstructions. The revised design incorporated HP-piles serving as “deadmen” and connected to the sheet pile wall with threaded rod. RENOVA first pre-drilled to 28’ below grade with a down-the-hole hammer, along the entire transect of the sheet pile wall and at each HP pile location, in order to penetrate piling through the heavy debris layers. All piling was installed utilizing a track-mount pile driving rig with a vibratory hammer.

Though previously unidentified subsurface obstructions were encountered, requiring a re-design, RENOVA completed the installation of the sheet pile tieback wall ahead of schedule and with zero health and safety incidents. Additionally, RENOVA received follow-on work, which included the installation of several permanent sheet pile walls on the site as part of the ecosystem restoration.

## MARINE-BASED IMPACTED BEACH REMEDIATION

### SITE

Private Condominium Complex

### LOCATION

Long Island Sound, New York

### CLIENT

Confidential

### DATE

MAY 2022-JUN 2022

### Project Value:

\$825k



*"I was pleased with your crews as they worked efficiently and professionally."*  
– Utility Provider Project Manager

RENOVA was selected by a public utility provider's consulting engineer as the key implementation contractor for the source removal of EPH-impacted sand along the waterfront of an upscale residential community. The impact was caused by a release of dielectric fluid from a public utility. The sand impacts were located within the intertidal zone, encompassing an estimated one-acre footprint on the beach. An additional challenge was posed by the heightened sensitivity of the residential community, which prohibited the transport of heavy machinery and materials through their waterfront development. RENOVA responded with a creatively adapted marine access plan that was minimally disruptive, effective, and efficient.

RENOVA utilized a combination of a spud barge and specialized landing craft to mobilize track-mounted excavators and loaders onto the beach. RENOVA's crews worked within allowable tide schedules to excavate and stockpile the contaminated sand layer from the intertidal zone. Once excavated, the sand stockpiles were loaded into scow barges using a long-reach excavator, housed on a spud barge adjacent to the beach. This process was repeated and a total of 1,800 tons of impacted sand was remediated from the site.

Following the removal of impacted material, RENOVA used additional scow barges to import clean beach sand. The barge-mounted, long-reach excavator was again utilized to deposit 1,850 tons of imported material over the beach head. Shoreside track loaders then spread the clean sand across the beach to restore to the previous conditions and contours. All work was completed ahead of schedule, without safety incidents, and to the satisfaction of all stakeholders.

### PCB-Impacted Soil Excavation Project

#### SITE

Active Manufacturing Facility

#### LOCATION

Union Beach, New Jersey

#### CLIENT

Confidential Consulting  
Engineering Firm

#### DATE

NOV 2019-DEC 2019

#### Project Value

\$273K



Maintaining successful operations on a property while undergoing an environmental remediation project can present a number of challenges. RENOVA was selected by the client as the key implementation contractor for a PCB-impacted soil excavation project at an active manufacturing facility in Union Beach, New Jersey.

RENOVA first completed a constructability review and presented value engineering options to the client, including the solutions to mitigate disruption of the business operations on premises. To this end, RENOVA implemented the work methodically, and maintained constant communication with the client. Specifically, during the removal and replacement of the facility's 8-inch sewer line, RENOVA worked during off-hours to avoid interruption to daily workflow.

RENOVA excavated 327 yards of PCB-impacted soil and utilized trench boxes to mitigate sloughing of surrounding soils. Additionally, RENOVA installed helical piles to support structures in close proximity to excavations, including along a floodwall under a loading dock. Further, 27,000 gallons of PCB-impacted groundwater were removed from the excavation and transported for off-site disposal.

RENOVA finished the project by restoring 1,280sqft of asphalt. RENOVA completed the work on time successfully and with zero reportable incidents or safety concerns.

## SOURCE EXCAVATION WITHIN BUILDING FOOTPRINT

### SITE

Former Porcelain Factory

### LOCATION

Ewing Township, New Jersey

### CLIENT


Roux Associates, Inc.

### DATE

JAN 2022-MAR 2022

### Project Value:

\$255k



*"The crew has been very responsive in the field and Ryan has been doing a great job supporting the project from the office. Really appreciate all the hard work everyone is putting in."*  
– Roux Associates, Inc.

RENOVA was selected by Roux Associates, Inc. as the key implementation contractor for remedial activities to address volatile organic compound contamination in soil and shallow groundwater at a former Trenton, New Jersey porcelain factory. The project was complicated by the source area underlying the building footprint. RENOVA began by demolishing 2,100 square feet of the concrete floor to gain access to the impacted soil. RENOVA self-performed the installation of thirty-nine (39) helical piles to protect the structural integrity of the building during remedial activities.

Next, RENOVA excavated 725 tons of impacted soil. Sump pumps were installed throughout the excavation area to temporarily suppress the shallow groundwater table. Approximately 11,500 gallons of groundwater were removed from the site for offsite treatment and disposal. Following the source excavation, a chemical oxidant, sodium persulfate, was blended into the top foot of soil to address residual impacts. RENOVA then backfilled the excavation with  $\frac{3}{4}$ " stone to six (6) inches above the groundwater table, with the remainder of the excavation being backfilled with DGA and compacted in 12-inch lifts. Lastly, the concrete floor was restored. RENOVA completed the project on-time to the client's satisfaction, without any safety incidents.

## EMERGENCY SHORELINE STABILIZATION

### SITE

Gateway National Recreation Area,  
Sandy Hook Unit

### LOCATION

Fort Hancock, New Jersey

### CLIENT

National Park Service (NPS)

### DATE

March 2022

### Project Value:

\$460k



RENOVA was selected by the NPS as the prime contractor for an emergency shoreline stabilization project to protect a ferry dock and historic chapel which were within eight feet of Sandy Hook Bay, predicted to encroach further with the onset of the winter nor'easters. RENOVA provided value engineering for the remedy selection and turn-key permitting support, ensuring compliance with the U.S. Army Corps of Engineers, NJDEP Coastal Zone Management, National Historic Preservation Act Section 106, and the National Environmental Policy Act. The implementation was coordinated around the local tidal cycle and compliance with the seasonal nesting moratorium for the piping plover, a threatened shorebird species.

In March 2022, just four days after receiving the notice to proceed, RENOVA swiftly mobilized to the site. RENOVA constructed the bulwark, measuring 270' long by 9.5' wide by 8' tall, utilizing the Trap Bag® barrier system to stabilize the shoreline. Using two rows as a base and one row as the second layer, the bags were installed and filled with sand, hydraulically compacted, and fastened together. Once the system was installed, the area behind the wall was backfilled to grade with imported fill, compacted and restored with certified clean topsoil and native grasses.

The ferry dock and historic chapel are now protected by the engineered barrier system and an additional 18 feet of shoreline, safeguarding against further erosion until the final armor stone revetment is installed by NPS in approximately five years. RENOVA completed the project ahead of schedule, under budget, and with zero incidents or safety concerns.