



# PROFESSIONAL PROFILE



## Jeff Wills, PG

### Principal Hydrogeologist | Operations Manager

#### EXPERIENCE SUMMARY

Sixteen years of experience: Staff Assistant Geologist, Staff Geologist, Project Geologist, Senior Geologist, and Principal Geologist/Office Manager with Roux, Islandia, New York.

#### TECHNICAL SPECIALTIES

Design, implementation, and management of remedial investigations and Phase II Environmental Site Assessments including New York State Brownfields Clean-up Program; New York State Inactive Hazardous Wastes Site Program; New York State Spills; and New York City Office of Environmental Remediation Voluntary Clean-up Program.

#### REPRESENTATIVE PROJECTS

- Project Principal for a site in the New York City Voluntary Cleanup Program (VCP) located in New York, New York. Responsibilities included client management, due diligence Phase I ESAs, and designed and implemented Phase II ESAs, VCP enrollment support, remedial investigations, negotiation with NYCOER to limit remediation to mitigation of vapor intrusion of chlorinated volatile organic compounds (CVOCs), prepared and implemented a Remedial Action Plan including the design and installation of a sub-slab depressurization system.
- Project Principal support for multiple projects to support investigation and remediation activities at the 130+-acre Amtrak Sunnyside Yard State Superfund site. Responsibilities included client management, overseeing construction/remediation activities for the Acela Ready Tracks construction project, include the characterization and excavation of over 40,000 cubic yards (CY) of soil for onsite reuse and offsite disposal, site-wide community air monitoring, NYSDEC interaction/reporting and construction associated with MTA’s massive East Side Access project on and beneath Sunnyside Yard. Additional yard-wide responsibilities included the monitoring of site-wide groundwater, separate-phase hydrocarbon, and the on-site sewer system as well as overseeing the implementation of remediation activities, including excavation and offsite disposal of petroleum-impacted soil, TSCA polychlorinated biphenyl (PCB) hazardous soil and hazardous lead soil.
- Senior Project Manager for a New York State Brownfields Cleanup Program redevelopment of a former chemical manufacturing facility in Long Island City, New York. The project required consistent communication with the NYSDEC, a local development corporation, and concerned citizens regarding sensitive construction issues such as community air monitoring. Services included due diligence environmental investigations (on-site and off-site); remediation of 45 subsurface chemical vaults/kettles structures; an in-situ waste characterization sampling program and remedial actions, which included the removal of over 90,000 cubic yards (CY) of soil intended for off-site disposal, design, and installation; operation of a recovery well; and an in situ chemical oxidation (ISCO) program.
- Senior Project Manager for a site in the New York State Brownfields Cleanup Program that was an Affordable Housing redevelopment project in Bronx, New York. The site was formally used as a juvenile detention center. This project included due diligence environmental investigations, remedial investigations (soil, groundwater, and soil vapor), demolition oversight, site-wide in situ waste characterization sampling program, Community Air Monitoring Program and a Remedial Action Work Plan and management of soil excavations with NYSDEC oversight.

#### CONTACT INFORMATION

Main: (631) 232-2600  
Direct: (631) 630-2366  
Email: [jwills@rouxinc.com](mailto:jwills@rouxinc.com)  
Website: [www.rouxinc.com](http://www.rouxinc.com)

209 Shafter Street  
Islandia, NY 11749

#### EDUCATION

BS, Environmental  
Resources/Geology, Hofstra  
University, 2006

#### PROFESSIONAL LICENSES

NYS Licensed Professional  
Geologist license: #000999

- Senior Project Manager for a former dry cleaner site within a fully occupied center, in Plainview, New York. This project included a remedial investigation to identify source(s) of impacted soil, groundwater, soil vapor and indoor air as well as the preparation of Remedial Investigation/Feasibility Study Report, Interim Remedial Measure Work Plan and Remedial Action Work Plan.
- Senior Project Manager for a 13-acre Brownfield redevelopment site for a new mall in Norwalk, Connecticut. The Site was formally used for multiple gasoline service stations, automotive repair shops, and a waste hauler and storage. Services included due diligence environmental investigations, a site-wide in situ waste characterization sampling program, and excavation management of over 70,000 CY of soil, including lead and PCB-contaminated soil.
- Senior Project Manager for the investigation and remediation of CVOCs at a former dry cleaner within an active shopping center in Enfield, Connecticut. Services included the completion of soil, groundwater, soil vapor, and indoor air sampling activities, as well as groundwater monitoring and injection well installations. Other services included the completion of multiple ISCO injection events in occupied spaces at the Site.
- Senior Project Manager for multiple projects to support remediation activities at the Amtrak Sunnyside Yard State Superfund Site in Long Island City, New York. Responsibilities included characterization of subsurface conditions, including PCB and cPAH soil and groundwater contamination. Mr. Wills was responsible for overseeing the implementation of remediation activities, including soil excavation and offsite disposal, and surfactant injections.
- Senior Project Manager for an 11-acre redevelopment site in the former New York State Volunteer Cleanup Program. The site was formally a Steel Factory located in Manorhaven, New York. Completed multiple soil and groundwater investigations as well as utilized Membrane Interface Probe (MIP) technology and Cone Penetration Test (CPT) to delineate both the extent of contamination plume and subsurface geology; Responsibilities included MIP/CPT oversight, monitoring well installation, collection of soil and groundwater samples and construction of geological cross-sections; Supervised a challenging four phase ISCO injection program that utilized RegenOx™ oxidant compound, which was injected into over 120 injection points throughout the site; Responsibilities included: Site management, budgeting, implementation of a pressure pulse technology (Sidewinder tool) pilot study, scheduled and coordinated with subcontractors, post-injection groundwater monitoring, USEPA and NYSDEC compliance, review and evaluation of laboratory data and reporting.
- Manager for a 40,000 square foot facility in the New York State Brownfields Cleanup Program located in Williamsburg, Brooklyn. The site was formally a storage and distributor of dry cleaner chemicals. Remedial investigation work included the collection of soil, groundwater, and soil vapor samples as well as the installation of multiple groundwater monitoring wells. Responsibilities included the oversight of all field work, site management, scheduling and coordination with Subcontractors, invoicing, and compliance with NYSDEC regulations.
- Manager for a site in the New York State Brownfields Cleanup Program. The site was formally a used car dealership in Corona, Queens, New York. This project included an ISCO program utilizing RegenOx™ oxidant compound, which was injected into 40 injection points throughout the site. Responsibilities included: Site management; budgeting; scheduling, coordination, and negotiations with subcontractors; post-injection groundwater monitoring, and USEPA and NYSDEC compliance, review and evaluation of laboratory data and reporting.
- Manager for Phase II Remedial Investigations associated with petroleum contamination for a very large and long-term project at a waterfront former petroleum refinery and terminal in Brooklyn, New York. The field investigations included the completion of cone penetrometer test (CPT) and laser induced fluorescence (LIF) soil borings, a membrane interface probe (MIP) investigation, installation and development of over 50 groundwater monitoring wells, installation of 30 permanent soil vapor monitoring points, completion of trial borings, design/installation of product recovery wells, abandonment of multiple groundwater monitoring and product recovery wells, and delineation of PCB impacted soil with NYSDEC oversight.
- Manager responsible for the investigations and remediations at various mixed development sites containing hazardous and non-hazardous soils in New York City. These projects included the implementation of Remedial Investigation Work Plans, in situ waste characterization sampling program and a Remedial Action Work Plans, which included excavation of soils below grade and management of soils including transportation and disposal, and coordination with various disposal facilities. Some of these sites were accepted into the New York City Office of Environmental Remediation and Brownfield Cleanup Program.
- Manager at 100+ facilities owned and/or operated by various city agencies in New York City, Brooklyn, Queens, and Staten Island. Responsibilities included supervising and conducting soil, groundwater, and soil vapor sampling work under NYSDEC-approved work plans. Responsible for the preparation of quarterly/ semiannual monitoring reports and construction

of groundwater contour maps and geologic cross-sections for submittal to NYSDEC. Evaluation of field data and preparation of soil boring and well construction logs using gINT© software. Assisted in scheduling and coordinating with subcontractors (drillers, surveyors, enhanced fluid recovery [EFR] events) as well as review subcontractors work invoices. Provided oversight during the installation of several monitoring wells at multiple Sites throughout Brooklyn, Queens, and Staten Island, New York. Responsibilities included health and safety supervision for utility clearances, soil sampling, recording of lithology, well development, and groundwater sampling.

- Manager for the investigation and remediation of CVOCs at an active shopping center in Parsippany, New Jersey. Field activities included the completion of soil and groundwater sampling activities as well as groundwater monitoring well installations and abandonments. Remedial action activities included the injection of zero valent iron and emulsified vegetable oil (ZVI/EVO) at 28 temporary injection borings throughout the impacted portion of the site. Responsibilities included: site management, oversight for all field work; budgeting, scheduled and coordinated with subcontractors, post-injection groundwater monitoring, compliance with NJDEP regulations, review and evaluation of laboratory data and reporting.
- Manager of an annual soil vapor monitoring program for a former petroleum refinery and terminal in Brooklyn, New York.

Field work included the sampling and screening of 100 permanent soil vapor monitoring points and the screening of indoor air within multiple buildings for soil vapor intrusion monitoring.

- Manager for multiple soil investigations at Department of Sanitation (DOS) garages in Staten Island, New York; Responsibilities included negotiating the scope of work with the DOS Supervisor, scheduling of work and collection of soil and groundwater samples; Supervised surveying of monitoring wells and geophysical surveying using ground penetrating radar to locate petroleum underground storage tanks and piping.

#### PROFESSIONAL TRAININGS

OSHA 40-Hour HAZWOPER Training: 2006

OSHA 8-Hour Refresher: 2021

OSHA 10-Hour Training: 2018

Loss Prevention Systems Training Certification: 2008

Loss Prevention Systems Training Refresher: 2014

Amtrak Contractor Training: 2021

#### PUBLICATIONS

Co-author, *Post-Alleghenian Deformation of the Shawangunk Ridge in New York and New Jersey*, 2005