



PROFESSIONAL PROFILE



Jessica L. Taylor, PG

Principal Hydrogeologist

EXPERIENCE SUMMARY

Seventeen years of experience: Principal, Senior, Project, and Staff Hydrogeologist, Roux, Islandia, New York; Staff Hydrogeologist and Intern at GSC | Kleinfelder.

TECHNICAL SPECIALTIES

Project Management and Field Management for large-scale soil excavation and remediation projects, including site assessment, remediation implementation, and construction activities. Negotiation with NYSDEC Brownfield Clean-up Program (BCP) and NYCOER E-Designation/Voluntary Clean-up Program. Coordination and management of large-scale demolition and renovation support. Performance of sampling and direction of field sampling teams for the following media: soil, groundwater, surface water, soil vapor, sludge, and sediment. Soil characterization, coordination with construction management teams, disposal brokers, and facilities for cost-effective disposal of contaminated and clean soils from complex, large-scale projects.

REPRESENTATIVE PROJECTS

- Project Principal for a large ongoing redevelopment project in Brooklyn, New York, including four buildings with NYCOER E-Designations for Hazardous Materials. The project encompasses 22 acres including the Barclays Center. Project responsibilities include coordination and oversight of in situ waste characterization sampling, excavation, and proper disposal of 500,000 CY of soil. Included sampling, classification, and coordination with construction managers and soil disposal facilities for disposal of soil impacted by petroleum contamination and TCLP hazardous levels of lead and corrosivity. Designed soil delineation sampling programs to limit boundaries of more contaminated soils to reduce disposal costs. Responsible for implementing and managing remediation work at several NYSDEC spill sites within the project footprint, including in situ chemical oxidation, UST removal, and soil excavation. Agency support for NYSDEC, NYCDEP, NYCOER, MTA (LIRR/NYCT), and ESDC.
- Project Principal providing technical guidance to construction management team during the excavation of NYSDEC Brownfield Cleanup Program project in Yonkers, New York. Coordinated with development team, their consultant, soil brokers, and disposal facilities to determine appropriate facilities and manage costs during disposal of approximately 30,000 tons of soil contaminated with TCSA-level PCBs, hazardous lead, and elevated VOCs triggering UHCs.
- Project Principal for remediation of two parcels in Hunter's Point South, Queens, New York, as part of the NYSDEC Brownfield Cleanup Program. This project included due diligence environmental assessment and investigation, development of NYSDEC-approved Remedial Investigation Work Plan and Remedial Action Work Plan, and remediation during construction of two mixed-use, affordable housing developments. Acted on behalf of developer to provide soil classification data and vet disposal facilities, and eventual evaluation of Change Order Request by contractor for disposal of soil with elevated PAHs and hazardous levels of lead. Designed delineation sampling program to limit costs associated with disposal of contaminated soil.
- Project Principal for remediation of a 0.66-acre parcel in Brooklyn, New York, as part of a NYSDEC Brownfield Cleanup Program. This project included due diligence environmental assessment and investigation, development of NYSDEC-approved RIWP and RAWP including an active sub-slab depressurization system, and remediation during construction of mixed-use affordable housing developments including full cellar. Also required coordination with NYCHPD and NYCDEP to meet regulatory requirements for funding.

CONTACT INFORMATION

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EDUCATION

BS, Geology, Binghamton
University, 2005

PROFESSIONAL LICENSES

Professional Geologist,
New York, 2017

- Project Principal for management of NYCOER E-Designation for Hazardous Materials during excavation and construction of a hotel/residential building in Manhattanville. Responsibilities included negotiation with NYCOER to limit additional sampling required for Remedial Investigation, and soil management including performing *in situ* waste characterization, coordination with soil brokers, and oversight of disposal of 16,000 CY of soil.
- Project Principal for real estate acquisition due diligence for industrial properties across Queens and the Bronx. Prepared Phase I ESAs and designed and implemented Phase II ESAs to meet financing requirements while coordinating with selling parties. Provided technical and strategic support, including remedial cost estimates during short due diligence periods.
- Project Principal for redevelopment of four properties for a supportive housing development in Brooklyn, New York, with NYCOER to address NYCDEP E-Designations. Coordination with NYCOER to implement remedial investigation and develop RAP as part of the NYC VCP.
- Senior Project Manager for the environmental management of asbestos remediation during the renovation of Nassau Coliseum, Uniondale, New York. Responsible for coordinating inspections and delineation of ACM, preparing budgetary estimates, and bid support for full abatement. Also includes management of decommissioning and replacement of existing emergency generator UST.
- Project Manager for commercial redevelopment site in the Bronx, including *in situ* waste characterization, management and coordination of excavation, community air monitoring, and development of NYCDEP-approved RAP.
- Client liaison and full-time on-site construction manager at redevelopment site in Rego Park, New York. Collection of 500 *in situ* waste characterization soil samples, oversight of 250,000 cubic yards of soil excavation and remediation, development of post-remediation sampling plan, and organization of waste manifests and hazardous waste documents to ensure proper disposal. Coordination of daily site activities with multiple construction contractors and other involved parties on behalf of client. Oversight and confirmatory soil sampling for on-site treatment of 75,000 cubic yards of hazardous lead-contaminated soil.
- Project and Field Manager for Phase I and Phase II ESAs on a portfolio of retail gasoline stations in New York and New Jersey. Responsibilities included drilling and sampling oversight and health and safety management, as well as writing Phase II ESA reports for over 40 sites.
- Field Manager for remediation system installation in Brooklyn, New York. Responsibilities included daily oversight of contractors excavating soil and installing piping within streets and sidewalks. Ensured compliance with client-specific Health and Safety Completed daily health and safety meeting and reports and attended weekly construction progress meetings.
- Field manager for quarterly groundwater sampling rounds at a former pesticides manufacturing facility in Dayton, New Jersey. Responsibilities include direction of multiple sampling teams and coordination with subcontractors.
- Field manager for site investigation activities at a redevelopment site in Staten Island. Responsible for oversight of subcontractor performing soil borings and soil and groundwater sampling.
- Field manager during groundwater monitoring rounds at former oil and fuel distribution terminals in Staten Island, Westchester, Glen Cove, and Oceanside, New York. Activities include system operations and maintenance, supervision of multiple field personnel, performing water levels gauging, and collection of groundwater samples from site monitoring wells using a variety of equipment.
- Field manager during a site investigation at a former chemical manufacturer in Brooklyn, New York. Responsibilities included oversight of subcontractor installation of monitoring wells, collection of soil and groundwater samples, and logging soil lithology.
- Field manager for annual groundwater sampling at a chemical manufacturing Superfund site in Delaware. Involves the oversight and supervision of multiple teams of personnel for a weeklong gauging and sampling round.
- Field manager at an underground storage tank closure in Queens, New York. Provided health and safety supervision, collection of soil and groundwater samples, and oversight of subcontractor closure activities on behalf of client.
- Field manager for a long-term remediation project for the City of New York. Includes quarterly groundwater sampling and soil vapor sampling as part of an NYSDEC-approved work plan, as well as oversight of soil sampling as part of subsurface investigations. Creation of tables and figures based on investigation results and as part of periodic reports submitted to NYSDEC.
- Field manager during off-site investigation at a former chemical production facility in Rensselaer, New York. Investigation included the installation of piezometers, monitoring wells, and soil gas and environmental health and safety oversight.
- Project and Field Manager for implementation of a Phase II ESA at one of the largest on-going redevelopment projects in New York. Responsibilities included coordination and oversight of drilling, sampling, and excavation of soil. Drilling methods included sonic rotary, Geoprobe, hollow-stem auger, and air hammer/split spoon sampling. Includes oversight of Phase II ESA and waste characterization activities, coordination with laboratory contacts, as well as synthesis of lithology logs for over 100 soil borings. Project includes completion of Phase II ESAs (sampling of soil, groundwater, and soil gas) for over 50 properties.



- Project and field manager responsible for implementing and managing remediation work at several NYSDEC spill sites within the footprint of a large redevelopment project in Brooklyn, New York. Responsibilities included management and oversight of *in situ* chemical oxidation for treatment of petroleum-impacted groundwater.
- Field manager for redevelopment site in New Jersey. Collection of waste characterization soil samples, post excavation

confirmatory sampling, and groundwater off-site discharge sampling.

PROFESSIONAL TRAININGS

OSHA 40-Hour HAZWOPER Training, 2005

OSHA 10-Hour Construction Safety Training, 2008