# PROFESSIONAL PROFILE


## CONTACT INFORMATION

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## EDUCATION

MS, Civil Engineering, University of California at Berkeley, 1994
BS, Geophysics, State University of NY at Binghamton, 1993

## PROFESSIONAL LICENSES

Professional Geologist, NY, 2017
Waterfront Edge Design Guidelines (WEDG) Associate, 2024
NYC OER Certified Brownfield Professional, 2015
Engineer in Training, PA, 1996

## PROFESSIONAL TRAININGS

OSHA 8 Hour Supervisor – HAZWOPER, 2000
OSHA 40-hour Hazardous Waste Operations and Emergency Response, 1994

## PROFESSIONAL AFFILIATIONS

Women Transportation Seminar (WTS)
ACEC NY
MetRail
New York Building Congress
New York City Brownfields Partnership (Board Member)

# Mindy Chassin Horowitz, PG, WEDG

## Director of Public Sector Services | Principal Geologist

### EXPERIENCE SUMMARY

More than thirty years of experience in the environmental consulting field performing hazardous materials assessments, waterfront permitting, construction oversight and remedial design. Principal Hydrogeologist with Roux, New York, New York (2025–Present); Vice President/Technical Director – Environmental with Matrix New World Engineering (2015-2025); Senior Manager, ENVIRON International Corporation (2012–2015); Project Manager, Fleming-Lee Shue, Inc. (2005–2012); Project Manager, STV (1999–2005); Project Engineer, Warren & Panzer (1998–1999); Environmental Engineer, Dan Raviv Associates Inc. (1994–1998).

### TECHNICAL SPECIALTIES

Ms. Horowitz's areas of expertise include infrastructure projects, brownfield cleanup and redevelopment; investigation and remediation of New York City e-designation sites (sites with a zoning map amendment) with potential hazardous material contamination; environmental due diligence of industrial, commercial, residential and mixed-use facilities; environmental corridor studies to support CEQR/SEQRA/NEPA EAS/EIS preparation; litigation support for cost recovery and insurance matters; and development of remedial cost estimates. She has extensive experience managing and conducting hydrogeologic investigations for clients in both the public and private sectors, including projects focusing on railroads, highways, airports and industrial and commercial facilities. Ms. Horowitz has developed and directed the implementation of numerous soil, groundwater and sediment sampling programs for remedial investigations at various sites Her combined hydrogeological and geo-environmental engineering background, along with her varied experience in New York and New Jersey, enable her to compile and interpret analytical data to develop clear and technically defensible conceptual site models and incorporate these findings into reports for various city, state and federal regulatory programs. Mindy is certified through the NYC Mayor's Office of Environmental Remediation, as an OER Certified Brownfield Professional, to efficiently achieve brownfield cleanup and redevelopment on New York City Brownfield sites.

### REPRESENTATIVE PROJECTS

- **NYCEDC/NYC Parks Box Street Park, Brooklyn, New York.** Environmental Project Manager for this project on Newtown Creek where a former MTA maintenance facility is being converted to a NYC Park. Ms. Horowitz oversaw the preparation of a Remedial Action Work Plan (RAWP), which was approved by NYSDEC. The RAWP addressed known hazardous metals contamination, petroleum contamination, and underground storage tank removal. The project involved the removal of a bulkhead wall and the design of a riprap slope, with excavation landward to accommodate the redesign. The removal of the bulkhead triggered the requirement for a Sediment Sampling Plan, to sample sediment and seeps potentially disturbed from the Newtown Creek bed. Ms. Horowitz worked with NYCEDC and NYC Parks to develop the plans and negotiate with NYSDEC.

- **NYC Parks Multi-Use Pathway at Bridge Park, The Bronx New York.** Environmental Project Manager for this project to support the proposed construction of a multi-modal pathway, a passive recreation area, green infrastructure, and shoreline restoration at Bridge Park, enabling public waterfront access. The project area is an approximately 4-acre section of Harlem River waterfront, closed to the public. The proposed park improvements involved federal funding sources, and the project was required to undergo environmental review evaluations in accordance with the National Environmental Policy Act (NEPA); New York State Environmental Quality Review Act (SEQRA) and New York City Environmental Quality Review (CEQR) processes.

Ms. Horowitz performed a Phase I Environmental Site Assessment (ESA) and Phase II Environmental Site Investigation (ESI) and prepared Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) for NYCDEP review to support the required Environmental Assessment.

- **NYC Parks Mariners Marsh Park and Arlington Marsh Master Plan, Staten Island, New York.** Project Director for this project to prepare a master plan and design for the rehabilitation of this contaminated and under-utilized land. Ms. Horowitz reviewed the environmental history of the project site and explored remedial options to develop a practical and executable remedial plan enabling transformation of these two brownfield sites into ecological assets for the city and community. MMP contains varying amounts of wetlands, wooded areas, ponds, trails, remains of former industrial building foundations and open areas. AM is across Richmond Terrace to the north of MMP and is bordered by Newark Bay to the north along an irregular shoreline. Ms. Horowitz worked with project team members to compile GIS maps of site features, including ponds, wetlands, fields and trails, historic features and past uses, as well as environmental investigation sample locations and results and remedial actions. Due to the disparate sources of information from multiple consultants, and the variability of report format and data availability, Ms. Horowitz compiled the analytical data from more than a decade's worth of various historical reports into a workable GIS geodatabase, consisting of geospatial data identifying soil borings and monitoring wells, desired trail locations, historical site features and other relevant site data. Ms. Horowitz created related tables that tied back to testing locations to give the client the ability to not only identify the location and contaminants associated with that location but also be able to query the entire dataset for certain contaminants. Ms. Horowitz assisted Parks with development of a master plan by developing appropriate engineering and institutional controls, phased to open sections of the park as the project progresses.
- **NYC Parks Sara D Roosevelt Park Reconstruction, New York, New York.** Project Director for the renovation and reconstruction of Lion's Gate Field and play areas in Sara Roosevelt Park. Working with the project's landscape architect, Ms. Horowitz directed the environmental investigations and reporting, which included preparation of a Phase I ESA, Remedial Investigation Workplan, Site Investigation Report, Remedial Action Plan and Construction Health and Safety Plan, all approved by NYCDEP.
- **NYC Parks Rev. T. Wendell Foster Skate Park, The Bronx, New York.** Project Director for the renovation and reconstruction of this skate and bike park in the Bronx. Working with the project's landscape architect, Ms. Horowitz directed the environmental and hazardous materials investigations and reporting. The environmental scope included preparation of a Phase I ESA, Remedial Investigation Workplan, Site Investigation Report, Remedial Action Plan and Construction Health and Safety Plan, all approved by NYCDEP. The scope of work for the hazardous materials investigation included sampling of potentially hazardous building materials and preparation of sampling plans and specifications.
- **NYC Parks Randalls Island Shoreline and Pathway Reconstruction, New York, New York.** Project Director for remedial design and preparation of environmental documents to support the reconstruction of a multi-use path and restoration of the shoreline at Randalls Island Park. Ms. Horowitz worked with the landscape architect to develop a remedial investigation of areas to be disturbed during construction. The environmental scope included preparation of a Phase I ESA and Remedial Investigation Workplan.
- **NYCEDC Pier 6 Park, Brooklyn, New York.** Environmental Project Manager for the transformation of Pier 6 into a NYC Park, part of the MADE Bush Terminal in Sunset Park, Brooklyn. The deteriorated pier will be rehabilitated and provide public waterfront access. The project was undergoing New York City Environmental Quality Review (CEQR) and the environmental scope included preparation of a Phase I ESA, Remedial Investigation Workplan, Site Investigation Report, Remedial Action Plan and Construction Health and Safety Plan, all approved by NYCDEP.
- **NYCHA Cloudburst Project, Brooklyn, New York.** Project Director for this multi-disciplinary project to assess and mitigate cloudburst storms at two NYCHA housing developments, Breukelen and Sheepshead Bay. The project included drainage upgrades of outdated drainage infrastructure and community amenity improvements, and Ms. Horowitz managed a multi-disciplinary team including environmental, hazardous materials, permitting, planning and land surveying. The project included a Phase I Environmental Site Assessment (ESA), Phase II Environmental Site Investigation (ESI), Remedial Action Plan (RAP) and Construction Health and Safety Plan (CHASP) for NYCDEP review for each development.
- **Project Director, Gateway Development Corporation Manhattan Shaft Design Build, New York.** Provided environmental management and compliance, sustainability, land surveying, stormwater construction management, construction inspections, and landscape architecture on the project. The Manhattan Tunnel Project will build a section of the new Hudson Tunnel Project tubes connecting to the Hudson Yards Concrete Casing. The project also includes designing and building an access shaft at 12th Avenue that will be used to remove the tunnel-boring machines that build the

portion of the tunnel under the Hudson River and then converted into a permanent ventilation facility for the new tunnel. As Director, Mindy provided contract management, QA/QC reviews of documents, environmental compliance training, and general oversight of the various disciplines working on the project.

- **Battery Park City North and West Resiliency Project, New York.** Project Manager on the Consulting Engineer team to support the Battery Park City Authority's (BPCA) coastal resiliency and flood protection plans. BPCA is undertaking the creation of an integrated coastal flood risk management system, known as the Combined North and West PDB Project. The flood mitigation system will begin at First Place, run north along the Battery Park City Esplanade, across to the east side of West Street/Route 9A, and terminate above Chambers Street at a high point on Greenwich Street. Ms. Horowitz worked with the consulting engineering team to develop background technical information, perform geotechnical investigations; topographic, utility and sewer surveys, environmental and hazardous materials surveys; and regulatory permitting. Ms. Horowitz also prepared technical requirements to be included in the Design-Build RFP and contract and prepared relevant chapters of the Environmental Impact Statement (EIS). Mindy allocated resources, was the client liaison, coordinated engineering disciplines' technical deliverables, and performed QA/QC. She also participated in regular project meetings and updates to the design team and BPCA.
- **MTAC&D Design Build Services for Flushing-Main Street Station Circulation Improvements Project, Queens, New York.** Quality Assurance/Quality Control Manager for this design-build project which improved overcrowding and congestion and included construction of new staircases, expansion of the mezzanine and creation of new fare control areas. Mindy reviewed all environmental submittals for this project, including a Construction Health and Safety Plan, Environmental Anticipatory Boring Program, Spill Prevention and Response Plan, Data Interpretation Report, Waste Management Plan, and weekly and monthly reporting to MTAC&D, to ensure that all environmental requirements are met. Mindy advised the project team to make sure that work is done in compliance with local, state and federal regulations and that the design-builder is adhering to the appropriate procedures and meeting MTAC&D's requirements as outlined in the Project Requirements and Design Criteria (PRDC).
- **Offshore Wind Utility Transmission, New York.** Environmental engineer managing environmental elements of multiple offshore wind energy transmission projects in New York, including real estate acquisition, submerged crossings and contaminated property issues. Oversaw environmental investigations at various sites including Phase I Environmental Site Assessments; Phase II Environmental Site Investigations, including soil, sediment, soil gas and groundwater sampling; remedial action plans and reporting.
- **MTACC Penn Station Access Project, New York, New York.** Project Director for the expansion of Metro-North Railroad services from the New Haven Line just west of New Rochelle, traveling through the Eastern Bronx and Queens via Amtrak's Hell Gate Line, through the existing East River Tunnels into Penn Station. Mindy was responsible for overseeing several technical assessments, including soil, groundwater, wetlands and hazardous materials investigations along the Amtrak right of way at four proposed station locations in the Bronx and within the 15-mile corridor. Four bridges will also be rehabilitated as part of the project. Ms. Horowitz also prepared draft and final bid documents for release to Design-Build bidders for the design and construction of the project.
- **NYCH&H Neponsit Hospital Demolition, Queens, New York.** Project Manager for the engineering design and construction support for the demolition of this abandoned hospital adjacent to the beachfront in the Rockaways, Queens, NY. Demolition includes existing infrastructure (including buildings, driveways, and parking areas, totaling approximately 4.72-acres of site coverage). The site will be restored via backfill, grading, and permanent vegetative stabilization. Design services included environmental and civil engineering, hazardous materials investigations and remedial design, land surveying, and regulatory permitting, including New State Environmental Quality Review Act (SEQRA) pursuant to 6 NYCRR 617.8, State Historic Preservation Act (SHPA), and a Coastal Zone Management Consistency Determination.
- **NYCEDC Tompkinsville Esplanade and Pier Project, Staten Island, New York.** Environmental Project Manager for the NEPA EA for the New York City Economic Development Corporation to support the creation of a new waterfront esplanade and pier within the Tompkinsville section of Staten Island. In support of this project, Mindy supported environmental reviews to satisfy the requirements of National Environmental Protection Act (NEPA) in accordance with FEMA's regulations for NEPA implementation, New State Environmental Quality Review Act (SEQR) and New York City Environmental Quality Review (CEQR). The objective of this project is to create a walkable waterfront recreation area, clean up damage remaining from Superstorm Sandy, and construct a new pier to house NYCDOT dock building operations. Ms. Horowitz performed a Phase I Environmental Site Assessment and subsequent environmental investigations along the project area, including collection of soil and groundwater samples. The findings were incorporated into the hazardous materials chapter of the EA. Ms. Horowitz also prepared a Remedial Action Plan and Construction Health and Safety Plan.

- **PANYNJ LaGuardia Airport Access Improvement Project, Corona, New York.** Environmental Project Manager responsible for the environmental program for the Port Authority of New York and New Jersey (PANYNJ) to support preparation of an Environmental Impact Statement (EIS) to comply with the provisions of the National Environmental Policy Act (NEPA) with the Federal Aviation Administration (FAA) as the lead federal agency for the project, The project included construction of a new automated people mover (APM) system for improved access to LGA through connections to the Long Island Rail Road (LIRR) and New York City Transit (NYCT). Mindy oversaw a Phase I Environmental Site Assessment (ESA) for the entire corridor, extending from the airport to the Willets Point Station. Mindy oversaw preparation of Phase I ESAs for multiple multi-lot properties in Corona, Queens, New York. The findings of the Phase I ESAs were used to develop a sampling plan for a Phase II Environmental Site Investigation (ESI), which included the installation of both soil borings and temporary well points, collecting both soil and groundwater samples to characterize materials encountered during construction. The results of the investigation were used in the development of the Affected Environment and Environmental Impacts sections of the Hazardous Materials chapter of the EIS. Ms. Horowitz also participated in public outreach, acting as a subject matter expert on the Public Workshops, responding to public comments on the project.
- **NYCOMB Preparation of an Environmental Review and Uniform Land Use Review Procedure (ULURP) Application Services for a Borough-based NYC Jail System, City of New York, New York.** Project Director for preliminary environmental and hazardous materials investigations and reporting to prepare the hazardous materials chapter of the Draft and Final Environmental Impact Statements (DEIS/FEIS) to support a comprehensive environmental review under the City's Environmental Quality Review (CEQR) procedures and the preparation and filing of Uniform Land Use Review Procedure (ULURP) application(s) for four facilities in Manhattan, Brooklyn, the Bronx, and Queens. To evaluate the potential for hazardous materials at the project sites, Mindy oversaw Phase I Environmental Site Assessments (ESAs) for each site, followed by Phase II Environmental Site Investigations (ESIs) to collect soil, soil vapor and groundwater analytical data, as well as hazardous materials surveys at each facility to determine if asbestos-containing materials (ACM), lead-based paint (LBP) and/or other hazardous and universal wastes were present. Mindy was responsible for coordination with the New York City Department of Environmental Protection (NYCDEP) to ensure that the environmental subsurface and hazardous materials investigations conformed with CEQR requirements and to make recommendations for handling and disposal of soil and groundwater to be encountered during construction, and for engineering controls to be incorporated into the building designs.
- **NYCOMB Capital Project Scope Development (CPSD) Study for a Master Plan for a Borough-based NYC Jail System, New York, New York.** Project Director for project to provide pre-schematic design services for a Capital Project Scope Development (CPSD) study for a Master Plan for a Borough Based NYC Jail System for evaluation of seven facilities in New York City. Mindy oversaw performance of several technical assessments, including subsurface environmental (Phase I Environmental Site Assessments and Phase II Environmental Subsurface Investigations) and hazardous materials investigations at each facility. The investigations included sampling soil, groundwater, soil vapor, asbestos-containing materials (ACM), lead-based paint (LBP) and/or other hazardous and universal wastes. The investigation findings were summarized in Environmental Testing Reports, to be used to inform the cost estimates and pre-schematic design for the facilities.
- **NYCEDC Citywide Ferry Service Projects, Staten Island, Queens, The Bronx, and Brooklyn, New York.** Project Director for environmental assessments and landscape architecture for the Citywide Ferry Service (CFS), which will construct new ferry landings around New York City. Ms. Horowitz oversaw a team of engineers who prepared Phase I Environmental Site Assessment (ESAs), Phase II Environmental Site Investigation (ESI) workplans and Phase II ESIs at eight proposed sites. The ESIs included the collection of soil, soil vapor and groundwater samples. As a result of the investigations, Mindy prepared Phase II ESI reports, Remedial Action Plans (RAPs) and Construction Health and Safety Plans (CHASPs). Ms. Horowitz also oversaw the development of landscape architecture schematic designs for presentation to NYC Parks and preparation of construction documents for the Coney Island Creek and South Williamsburg proposed ferry landings.
- **NYC DDC Capital Project Scope Development (CPSD) NYPD Tow Pounds, Manhattan, The Bronx, Brooklyn, and Queens, New York.** Project Director for this project evaluating potential locations for proposed NYPD tow pound lots and prototype structures and technologies. Ms. Horowitz oversaw environmental and geotechnical engineering, land surveying and landscape architecture services for the project and a team of engineers who prepared Phase I Environmental Site Assessment (ESAs), at two existing tow pounds and eight proposed commercial and industrial sites. Deliverables included Phase II Environmental Site Investigation (ESI) workplans and Phase II ESIs at the two existing tow pounds in Queens and Brooklyn, NY. The ESIs included the collection of soil, soil vapor and groundwater samples. As a result of the investigations, Mindy prepared Phase II ESI reports and

provided recommendations for the CPSD. Ms. Horowitz also managed the team of surveyors, geotechnical engineers and landscape architects on the project as they evaluated the various proposed and existing sites.

- **Empire State Development Corporation Empire Station Complex, Manhattan, New York.** Project Director for this project meant to establish a blueprint for an integrated public transportation complex that would revitalize New York's Pennsylvania Station (Penn Station) area. Mindy performed environmental due diligence and analysis to prepare the hazardous materials chapter of the Environmental Impact Statement (EIS) under SEQRA. The proposed project includes a reimagined and expanded Penn Station, currently being planned by the MTA in conjunction with Amtrak and NJ Transit, to increase platform capacity, add new entrances to the subway and an overhaul of Penn Station. The environmental analysis was conducted on eight properties surrounding Penn Station.
- **NYCEDC Brooklyn Bridge-Montgomery Coastal Resiliency Project, Manhattan, New York.** Environmental Project Manager for an environmental assessment to support development of resiliency strategies for the Brooklyn Bridge-Montgomery section of the Lower Manhattan Coastal Resiliency project. This project includes design and related services for the installation of a flood protection system parallel to South Street from the Brooklyn Bridge to Montgomery Street. Ms. Horowitz oversaw a team of engineers who prepared a Phase II Environmental Site Investigation (ESI) workplan and conducted a Phase II ESI throughout the investigation area. The ESI included the collection of soil and groundwater samples. As a result of the investigation, the team prepared a Phase II ESI report, Remedial Action Plan, Construction Health and Safety Plan, and the hazardous materials chapter of the EIS.
- **MTA MNR Bronx Greenway Feasibility Study, Spuyten Duyvil to Ludlow Trail, New York.** Environmental Engineer responsible for providing analysis of environmental components of a feasibility study related to a potential pedestrian trail from Spuyten Duyvil station to Ludlow station along the Metro North Railroad tracks. The proposed trail would be located along the west side of the tracks adjacent to the Hudson River, providing the local community and residents from the region access to the Hudson River waterfront and provide recreational opportunities and views of the scenic Hudson River. Environmental concerns included active and closed petroleum spills along the corridor and contaminants in soil and ballast from long-term rail use.
- **Metropolitan Transportation Authority/NYC Transit CM-1190, Second Avenue Subway, Phase II, New York.** For the second phase of the Second Avenue Subway, between 96th and 125th Streets, Ms. Horowitz managed the environmental field staff and provided quality control for the remedial investigation workplans and summary reports. The $535 million project includes planning, design, environmental studies, and utility relocation. Three new stations will be constructed at 125th Street, 116th Street, and 106th Street, with the existing tunnel at 116th Street being rebuilt to accommodate the new station there. The investigations included environmental sampling from both geotechnical and environmental soil borings and monitoring wells throughout the proposed alignment, as well as delineation borings where warranted.
- **Metropolitan Transportation Authority/Long Island Rail Road (LIRR) Expansion Project, Long Island, New York.** Project Manager for the Long Island Rail Road Expansion Project in Long Island, New York project and provided environmental and geotechnical services. The project was for the addition of a third track along a 9.8-mile stretch of the railroad's heavily traversed Main Line corridor between the Floral Park and Hicksville train stations, and the elimination of the seven grade crossings along its route. The environmental scope included preparation of a hazardous materials chapter for the Draft Environmental Impact Statement (DEIS). The purpose of this investigation was to identify the potential presence of contaminated and/or hazardous materials as a result of current and/or former activities in the project area that may affect or be affected by the proposed project. Ms. Horowitz also performed a waste characterization study which included advancement of forty borings along the alignment, with collection of soil samples to pre-characterize soil for disposal during construction. A Waste Characterization Summary Report was prepared detailing the findings of the investigation.
- **NYCOMB DSNY Staten Island 1&3 Garage & Boro Repair Shop, Staten Island, New York.** Environmental Project Manager oversaw the effort to provide professional environmental consulting services for the design and construction of a new garage structure at the DSNY Staten Island 1&3 Garage & Boro Repair Shop. The site is located on the edge of the former Fresh Kills Landfill, and a portion of the property is reclaimed land from the landfill. Ms. Horowitz oversaw a soil investigation to facilitate soil disposal during construction. By pre-characterizing the subsurface, Mindy was able to identify whether contaminated materials were present in the subsurface in advance of construction, to avoid unknown health and safety risks to construction personnel and the public and costly delays if not identified and mitigated prior to construction. Ms. Horowitz prepared a Sampling and Analysis Plan (SAP), oversaw a soil boring program, collected soil samples and prepared a Site Investigation Report (SIR).
- **NYCEDC Hunts Point PREPP, Hunts Point, The Bronx, New York.** Project Manager for the Hunts Point Peninsula Resiliency

Evaluation and Pilot Project (PREPP), which is a program undertaken by NYCEDC to evaluate energy resiliency and flood protection in the Hunts Point section of the Bronx, and to design an energy resiliency pilot project. The study area includes the Hunts Point Food Distribution Center and the entire Hunts Point Peninsula, which is an area that is vulnerable to flooding during a major storm. Mindy oversaw environmental permitting and land surveying services to support the Existing Conditions Analysis and the Feasibility Assessment and Analysis.

- **NYCDEP Honk Falls Dam Design, Napanoch, New York.** Technical Director on the preparation of 10 Phase I ESAs to support the NYCDEP's proposed work to either upgrade or decommission the Honk Falls Dam in Napanoch, New York. Phase I ESAs were prepared for 10 properties encompassing and adjoining the dam. Ms. Horowitz oversaw preparation of the Phase I ESAs and provided quality control reviews.
- **Center for NYC Neighborhoods Resiliency Audits, New York, New York.** Project Manager responsible for Center for New York City Neighborhoods (CNYCN) Resiliency Audits for Residential Technical Assistance Pilot Program. Each audit included site survey, travel and elevation certificate for multi-and/or single-family residences.
- **Commercial Redevelopment Site, Hunts Point, The Bronx, New York.** Project Manager for this 26-acre former construction and demolition debris landfill on the East River in the Oak Point section of the Bronx, Ms. Horowitz performed a jurisdictional analysis of the waterfront structures, including piers, riprap and a buried seawall to obtain a jurisdictional wetlands determination from NYSDEC to support redevelopment, pursuant to 6 NYCRR §661.18. The site was subsequently partially redeveloped with a food warehouse. During remediation and construction activities, Ms. Horowitz implemented the Stormwater Pollution Prevention Plan (SWPPP) and performed site inspections.
- **Queens West Development Corporation, Long Island City, New York.** Environmental Engineer for large-scale redevelopment of a portion of this New York City waterfront which entailed remediation of numerous parcels of former industrial waterfront heavily contaminated with petroleum, coal tar and numerous other wastes. Ms. Horowitz prepared remedial investigation work plans, remedial investigation reports and remedial action work plans for multiple parcels. The site was redeveloped into commercial and residential space with parks, roadways and green spaces. Ms. Horowitz was involved in obtaining wetlands permits from the Army Corp of Engineers and NYSDEC for various stages of the project. Ms. Horowitz was also involved in preparation of the RAWP, pilot test report, site management plan and final engineering report for one of the parcels in the New York State Brownfields Cleanup Program. The remediation consisted of in situ remediation of the creosote and MGP-related contamination using Surfactant-Enhanced In-Situ Chemical Oxidation (S-ISCOTM) using activated persulfate injected via pressure-pulse technology. More than 50,000 pounds of coal tar contamination was destroyed in-situ in the soil. The same remedial strategy was also used for the adjacent Center Boulevard portion of the site, under the NYS Voluntary Cleanup Program. Wrote and implemented the Stormwater Pollution Prevention Plan (SWPPP) for various parcels of the project. One parcel was used as a staging area for soil excavated from other areas of the site and is surrounded by water on two sides. Ms. Horowitz implemented the Site Management Plan (SMP) at several of the residential parcels, which entailed ensuring compliance with the Engineering and Institutional Controls for each parcel, oversight of quarterly groundwater monitoring and annual reporting. Additionally, Ms. Horowitz performed sub-slab depressurization system (SSDS) installation inspections, SSDS start-up testing and SSDS annual monitoring. For four parcels under development within a portion of the site, Ms. Horowitz managed construction oversight which included coordination of health and safety air monitoring, imported fill, excavated soil management and sampling for disposal of soil and water.
- **West 17th Street and 10th Avenue Brownfield Cleanup Program Site, New York, New York.** Environmental Engineer for this New York State Brownfield Cleanup Program site with two operable units under the Highline. Ms. Horowitz prepared the Remedial Investigation Report (RIR) and Remedial Action Work Plan (RAWP) for a $1.5 million investigation and remediation of the former industrial site in Manhattan. The site was originally made up of several lots and various tenants, with significant coordination required.
- **MTA/LIRR East Side Access Project Environmental Site Investigations, New York, New York.** Project Engineer assisting in the development of environmental studies for the $4.3 billion project to connect the Long Island Rail Road (LIRR) to Grand Central Terminal in Manhattan. Assessments and investigations indicated that the site was contaminated by petroleum, polychlorinated bi-phenyls (PCBs), and chlorinated volatile organic compounds (CVOCs) from over 100 years of railroad use. Based on these results, Ms. Horowitz prepared Environmental Site Investigation (ESI) Findings Reports, Health and Safety Plans (HASPs), work plans, specifications, construction cost estimates and Construction Contaminant Management plans (CCMPs). She is also assisted with the design of the remedial investigation strategy for the site.
- **MTA/LIRR Long Island City Passenger Yard Petroleum Recovery System Inspection, New York, New York.** Project Manager oversaw all aspects of the remediation system at a

100-year-old rail yard with vehicle fuel, minor maintenance, and vehicle storage facilities in Queens County, New York. Ms. Horowitz was inspecting the operation, monitoring, and maintenance of the recovery system, which consisted of a well-manifold system to recover light non-aqueous phase liquids (LNAPL). She also performed semi-annual evaluations of the LNAPL plume to make certain that it was not moving towards construction areas.

- **MTA/LIRR Acquisition of Property at Speonk Station, Speonk, New York.** Project Engineer/Project Manager performed a Phase I Environmental Site Assessment of a single-family residence and assorted outbuildings, located in Speonk, NY as part of MTA's planned acquisition of this 1.6-acre property to provide additional parking at the Speonk train station. The assessment included a review of historical information, site inspection, and report preparation using the standard methods and procedures used by the financial-lending and environmental consulting industries and set by the American Society for Testing and Materials (ASTM) E-1527. Ms. Horowitz performed a detailed property inspection to identify any apparent or potentially adverse conditions on or adjacent to the property and to confirm historical information that was obtained. The inspection revealed the possible presence of USTs used for heating oil, and sanitary septic/leaching systems. As project manager, she oversaw the Phase II Environmental Site Investigation (ESI), which included a geophysical survey and soil and groundwater sampling. Her responsibilities included locating and investigating the impact of the septic system and delineating the metals contamination caused by illegal dumping. Using the results of these studies, she prepared an ESI findings report, followed by a Remedial Action Work Plan.
- **MTA/LIRR Farmingdale Diesel Spill Remediation Litigation Support, Farmingdale, New York.** Project Manager oversaw the investigation of a petroleum spill in Suffolk County, New York, the results of which were used in litigation. Coordinating with representatives of LIRR's legal counsel, Ms. Horowitz oversaw a geophysical investigation, the installation of soil borings, and the collection of soil and groundwater samples from the spill area and inside an adjacent facility. Her staff used these results in the preparation of Findings Reports. To avoid disruption to the owner's business, Ms. Horowitz managed field activities on weekends, and used innovative sampling mechanisms, including a remote-controlled, track-mounted Geoprobe® rig. As a result of investigations, she prepared a presentation for NYSDEC with a request for spill closure. Ms. Horowitz's duties included assisting in the preparation of witness testimony.
- **MTA/LIRR Oyster Bay Yard Environmental Site Investigation (ESI), Oyster Bay, New York.** Project Manager Collected soil and groundwater samples, oversaw monitoring well installations, and analyzed and interpreted data to delineate petroleum spillage at the rail yard in Oyster Bay, NY. Ms. Horowitz also quantified soil and groundwater contamination for use in the Findings Report. In addition, she oversaw a tidal study to determine the tide's influence on groundwater flow.
- **Glen Cove Community Development Agency/City of Glen Cove Glen Cove Road Extension Environmental Assessment, Glen Cove, New York.** Project Engineer assisted in the environmental review of a proposed 2,000-foot roadway connector project, which provides access to the community's waterfront area by extending Glen Cove Road in Glen Cove, NY. One purpose of the review was to assess the potential environmental impact of several proposed design plans. Ms. Horowitz prepared the Hazardous Waste Screening Report, as well as the Health and Safety and Sampling and Analysis Plans (HASP and SAP). She oversaw the asbestos investigation, supervised the soil and groundwater sampling, and monitored the well installation and radiological investigations to quantify and delineate site contamination. Ms. Horowitz performed these tasks in accordance with the requirements listed in NYSDOT's Environmental Procedures Manual. To make recommendations for the construction phase of the project, she compiled data from the environmental review and drafted a remediation plan.
- **Westchester County DPW Westchester County Airport Parallel Taxiway "L" Reconstruction and Extension Phase IV, Westchester, New York.** Project Engineer responsible for overseeing the design and construction of a $4 million new taxiway at the airport in Westchester County, New York. Ms. Horowitz oversaw the hazardous materials investigation including all subsurface environmental components for preliminary and final design, and construction phasing services as part of the EIS. Ms. Horowitz investigated the potential presence of buried drums, tanks, and septic leaching fields using geophysical survey instrumentation and soil/groundwater sampling techniques. The investigation included a lead paint and asbestos assessment of existing hangar structures to be demolished.
- **RCRA Project at Bayway/Refinery, Union County, New Jersey.** Environmental Engineer collected and assessed hydrogeologic data as part of remedial investigation of numerous areas in the refinery in Union County, New Jersey that were suspected of petroleum and hydrogen sulfide contamination. She prepared hydrogeologic cross-sections of a land farm and a Resource Conservation and Recovery Act (RCRA) underground storage tank (UST), and maintained a historical database for six areas of concern, including a former land farm/landfill, process areas, and bulk storage tank areas.

- **Foam Manufacturer Soil and Groundwater Contamination Investigations, Carlstadt, New Jersey.** Environmental Engineer investigated soil and groundwater contamination, including petroleum, acetone, isopropyl alcohol and phthalate contamination which extended onto two adjoining properties in Carlstadt, New Jersey. Ms. Horowitz developed work plans and conducted field work to delineate soil and groundwater plumes. Based on these results, she developed a remedial action work (RAW) plan that included a 72-hour aquifer pumping test, which she oversaw. Ms. Horowitz's duties included assisting in a bio feasibility study to evaluate the status of bioremediation efforts on-site.
- **New York City School Construction Authority, New York, New York.** Acted as Quality Assurance (QA) Officer in review of various Phase I Environmental Site Assessment Reports (Purdy Street, 352 Park Avenue South, 732 Henry Street, P.S. 980Q); an Indoor Air Quality Report (P.S. 82Q); and for various Above-Ground Storage Tanks Closure Reports (P.S. 120K and P.S. 23R).
- **Lenz/Norfolk Southern Corporation Conway Rail Yard Phase II Environmental Site Investigation, Conway, Pennsylvania.** Environmental Engineer assisted in the subsurface investigation by analyzing and interpreting laboratory data for the proposed $70 million construction of a locomotive service facility at this active freight rail yard in Conway, Pennsylvania. In compliance with Pennsylvania Department of Environmental Protection (PADEP) regulations, Ms. Horowitz used Surfer contouring software to quantify and delineate the extent of petroleum-impacted soil and groundwater. Afterwards, she prepared a soil and groundwater investigation report, a Construction Contaminant Management Plan (CCMP) for proposed construction activities, and a general report of the project.
- **PANY&NJ JFK International Airport Access Program Phase II Environmental Site Investigations, Queens, New York.** As part of the JFK airport access program, which connects the airport terminals, rental car facilities, and the New York City transit subway and bus network via a $1.3 billion light rail system (the Airtrain), Environmental Engineer supervised geophysical subsurface surveys for the Phase II Environmental Site Investigation (ESI) at five sites in Queens County, NY. Ms. Horowitz supervised exploratory Geoprobe soil borings, the collection of representative soil and groundwater samples, and the analysis and interpretation of laboratory analytical data. She prepared environmental construction specifications, ESI reports, Sampling and Analysis Plans (SAP), Health and Safety Plans (HASP), and Construction Contaminant Management Plans (CCMPs). Ms. Horowitz oversaw soil waste characterization investigations at three areas within the LIRR Johnson Avenue Yard. To determine the existing subsurface conditions before construction and save money, she performed waste classification of the soil prior to disposal, and she identified and delineated an area of hazardous metals soil concentrations. As part of the design phase, she also prepared a wetlands construction package.
- **PANY&NJ Terminal A Redevelopment Program, Bridges N57 and N58, Newark Airport, Elizabeth, New Jersey.** As Project Manager, Ms. Horowitz oversaw the effort to provide professional environmental consulting services to support the Port Authority of New York and New Jersey (PANYNJ) on the Terminal A Redevelopment Roadway Bridges N58 and N59 project at Newark Liberty International Airport. The project included a pre-construction environmental subsurface investigation to identify potential areas of contaminated materials and hazardous waste that may impact project design and construction along the proposed bridge alignments. By pre-characterizing the subsurface, Mindy was able to identify whether contaminated materials were present in the subsurface in advance of construction, to avoid unknown health and safety risks to construction personnel and the public and costly delays if not identified and mitigated prior to construction. The scope, which began in the design development phase and lasted through final design and contract document preparation, included preparation of a Sampling and Analysis Plan (SAP); a geophysical survey to clear boring locations and to evaluate the presence of buried materials; collection of soil, sediment and groundwater samples; preparation of a Site Investigation Report (SIR); and review and comment on project design specifications and drawings to ensure that they adequately addressed environmental findings relative to materials management. Project design specifications and drawings were also reviewed for adequate handling of potential hazardous materials, including asbestos, lead paint and universal wastes.
- **Port Authority of NY & NJ LaGuardia Airport Central Terminal Replacement Project Phase 2 And 3 Soil Investigation, Queens, New York.** Ms. Horowitz was the Project Manager supporting the Design Joint Venture (DJV), a joint venture of Parsons Brinckerhoff and Hellmuth, Obata & Kassabaum, Inc. (HOK) on environmental consulting for design-build work within the P3 Phase 2 New Central Terminal Building (CTB) division and the New Improvements division of the Project. To support construction of building foundations, utility relocation and temporary roadways for the P3 Phases 2 and 3 areas, soil excavation, transport and disposal off-site or reuse on-site was proposed and her team collected representative soil samples to characterize the soil for disposal prior to excavation. Ms. Horowitz oversaw the field staff during installation of 76 soil borings and collection of 145 soil samples, characterizing 116,000 cubic yards of soil. The excavation area was divided into a grid and soil sampling was conducted to

ensure that anticipated areas and depths of excavations were adequately represented as per disposal facility requirements, while effectively optimizing the number of borings to be installed and the number of samples to be collected. After review of the data, it was determined that additional sampling was required and Mindy oversaw advancement of 24 delineation borings, completed in areas which exhibited results above the cleanup objectives. Ms. Horowitz prepared the Environmental Soil Investigation Summary Report for Phases 2 and 3.

- **NYCT 100th Street Bus Depot Phase II Environmental Site Investigations, New York, New York.** Project Engineer oversaw the pre-construction remedial soil and groundwater investigation, including soil borings and the installation of test pits to bedrock, for the construction of a new, four-story, $95 million bus depot in Manhattan. Ms. Horowitz's duties included the preparation of a Findings Report on the investigation, and a Construction Contaminant Management Plan (CCMP) for the handling and disposal of contaminated soil and groundwater. She also provided technical guidance during the construction of the 80,000-square-foot, 98-foot-tall building, which houses standard buses and 133 articulated (60-foot-long) buses.
- **NYC DDC Coney Island Hospital UST Removal and Upgrade, Brooklyn, New York.** Environmental Engineer oversaw the removal and upgrade of an underground storage tank (UST) at Coney Island Hospital in Brooklyn, New York. Ms. Horowitz collected all post-excavation soil samples and delineated soil and groundwater plumes. She also performed slug tests and aquifer pumping tests, compiling data into a remedial action work plan.
- **Former Gas Station, Pinelands, New Jersey.** Environmental Engineer managed a soil and groundwater remediation project at a petroleum-contaminated site, a former gas station in the pinelands of New Jersey. Ms. Horowitz oversaw the installation of an air sparging/soil vapor extraction (AS/SVE) remediation system. She also collected air, soil, and groundwater samples to monitor the progress of remediation, wrote project reports, and collected and analyzed the project data.
- **Proposed City Island Waterfront Redevelopment, The Bronx New York.** Project Manager for the proposed waterfront development, Ms. Horowitz prepared NYSDEC Joint Application for Permit for repair of riprap along the waterfront and development within a wetlands adjacent area. She was involved with negotiations with NYSDEC regarding jurisdictional and bulkhead issues.
- **Commercial Storage Facility Wetlands Permitting, The Bronx, New York.** Project Engineer responsible for preparing NYSDEC Joint Application for Permit for demolition of facility overhanging the Bronx River and construction of a new building, with an improvement to an existing rip-rap wall. The site needed 401 Water Quality Certification and fell under the ACOE's Nationwide Permit #3. The site was in an archaeologically sensitive area and Ms. Horowitz oversaw the archeological study.
- **River East Wetlands Permitting, New York, New York.** This permitting project was part of a larger residential development located along the East River. Project Engineer prepared NYSDEC Joint Application for Permit for a sewer outfall. The site needed 401 Water Quality Certification and fell under the ACOE's Nationwide Permit #7.
- **NYC Department of City Planning Rezoning, New York, New York.** Project Manager managed hazardous materials screening protocols required under NYC City Environmental Quality Review (CEQR) for several NYC neighborhood rezoning efforts as part of a NYC Department of City Planning contract. The evaluation resulted in the NYC DCP designating certain lots as New York City e-designation sites (sites with a zoning map amendment) with potential hazardous material contamination. The effort included evaluation of historical maps, databases and directories.
- **Fast Food Chain Bakery Site, Middlesex County, New Jersey.** Project Manager directed and managed site investigation and remediation for a former fast food bakery following cessation of operations at the site in Middlesex County, New Jersey, which triggered Industrial Site Recovery Act (ISRA). The investigation included a PCB forensics evaluation to determine the potential sources of PCBs, metals and PAHs in sediment in a wetlands ditch. The site, located on a former military storage facility, had a complicated site history and former usage which contributed to the contaminants found on-site. Remediation included delineation, cleanup, and restoration of the wetlands ditch and placement of a site cap as an engineering control required as part of a deed notice.
- **International Fragrance Company, Morris County, New Jersey.** Project Manager managed site investigation at several Areas of Concern (AOCs) potentially subject to past releases, conducted resulting from the sale of a former warehouse and manufacturing facility located in Morris County, New Jersey. Ms. Horowitz led the performance of a groundwater investigation and evaluation of the presence of tentatively identified compounds (TICs) in groundwater. Worked with the New Jersey Certified Laboratory to conduct a calibration study to determine the presence of a particular non-targeted compound in groundwater. Interfaced with the purchaser's consultant who conducted due diligence. The Response Action Outcome (RAO) was issued in 2014, and the project is complete.
- **Commercial and Industrial Site, Leonia, New Jersey.** Project Manager oversaw the Preliminary Assessment and Site

Investigations stemming from an ISRA matter at this multi-tenant property in Leonia, New Jersey. Contaminants found in site sediment were investigated and determined to be the result of floodwaters from Overpeck Creek which inundated the site during major storms. Other Areas of Concern (AOCs) included a former PSE&G transformer, historic fill and volatile organic compounds (VOCs) contamination found in groundwater.

- **Childcare Facility Licensing, Jersey City, New Jersey.** Project Manager performed the Preliminary Assessment and managed the subsequent steps needed to obtain the Response Action Outcome (RAO) for this day care center located in a former industrial building in Jersey City, New Jersey. The leasehold site was subject to the Madden Legislation and required implementation of engineering and institutional controls for the exterior playground and interior space. Ms. Horowitz oversaw the public notification; well search/receptor evaluation; playground/cap construction and implementation of the remedy; preparation of the RI/RAWP/RAR report; deed notice filing; establishment of the Classification Exception Area (CEA) for Groundwater; preparation of the Remedial Action Permit Application – Soil; and the preparation of the RAO.
- **Adhesives Manufacturer.** Project Manager oversaw the investigation of a BTEX spill to a former industrial supply well at a site also under investigation by the owner and their consultant for chlorinated solvent contamination in groundwater. The BTEX spill triggered a vapor intrusion investigation of surrounding buildings. Ms. Horowitz supervised a groundwater modeling effort to simulate the fate and transport of contaminants in groundwater and develop capture zone analysis for groundwater purging from the impacted well. Interim-remedial measures were limited due to the density of utilities in the impacted area, and soil removal was conducted using a combination of manual removal, a vacuum truck, and compressed air knife.
- **Private University, New York, New York.** At the request of this private university in New York City, Project Manager responsible for managing a peer review of a series of claims from a construction contractor related to a campus expansion pertaining to soil classification and disposal protocol for excavated soils from the project. The goal was to assist in resolving the disputes outlined in the claims and related correspondence and determine the appropriate protocol for classifying the excavated soils for disposal/re-use. The document library reviewed included reports, invoices and correspondence from multiple consultants, university staff and contractors. Ms. Horowitz prepared a document summarizing the findings of the evaluation and the reasonableness of the claims.
- **Former Bottling Plants Investigation, Long Island, New York.** Project Manager oversaw the site investigations at two former bottling plants in Long Island, New York, on behalf of the property owner to determine potential impacts from prior operations. At both facilities, the floor drain systems were compromised, and sediments and soil were found to be impacted by metals and PAHs. At one plant, non-contact cooling water was discharged to an off-site creek and a sediment investigation was conducted. Additional investigations were undertaken by the prior tenant's consultant and Ms. Horowitz evaluated the findings of those investigations and prepared data summaries and additional scopes of work.
- **Residential Redevelopment Site Dispute Resolution, New York, New York.** Project Manager evaluated underground storage tank (UST) closure and remediation cost claims made by the developer for nearly $2,000,000. As part of the evaluation, Ms. Horowitz reviewed UST Closure reports, field notes and logs, photographs, invoices and waste manifests and determined that the reasonable claim amount was under $40,000.
- **Residential Redevelopment Site, Bayonne, New Jersey.** This former industrial site was redeveloped into residential apartments, and Project Manager oversaw the termination and modification of a prior deed notice and the preparation of new engineering control plans and a Soil Remedial Action Permit due to differences in final construction from what was included in the original deed notice. During construction, two previously unknown underground storage tanks (USTs) were found and Ms. Horowitz supervised the registration and removal of the USTs, remediation of associated impacted soils, and preparation of a UST Closure Report and RAO.