

APPENDIX B

RESUMES OF ENVIRONMENTAL PROFESSIONALS



Dr. Phillips has over 35 years of experience in geohydrology and environmental engineering, involving such activities as RCRA Hazardous Waste Audits, design and treatment, ground and surface water quality analysis, water quality modeling, environmental impact assessment, 201 facilities planning, 208 area-wide wastewater management, 303e basin planning, industrial waste surveys, industrial waste treatment, and teaching four graduate courses at Polytechnic Institute of New York and two courses at SUNY at Stony Brook.

Functional Role	Title	Years of Experience
QA/QC	Principal	35+

Personal Data

Education

Ph.D./1978/Environmental Engineering, PINY
E.E./1973/Water Resources, MIT
M.S./1972/Hydrodynamics, MIT
B.C.E./1970/Civil Engineering, CCNY

Registration and Certifications

Professional Engineer - NY, NJ, PA, CT, MD, MA, AL, GA, TX
OSHA - approved 40 hour Health and Safety Training Course
OSHA - approved 8 hour Health and Safety Refresher Certified - Subsurface Underground Storage Tanks, NJ
Past Diplomat of the American Academy of Environmental Engineers

Publications

Dr. Phillips has published over 15 articles in professional journals ranging from "Least Cost Optimization in Area Wide Wastewater Management Using Mixed Integer Programming" to "Design Factors for a Seepage Treatment Facility" and Dr. Phillips latest publication, "Handbook of Complex Environmental Remediation Problems", McGraw Hill, "Chapter One "Groundwater".

Technical Seminars

Water Well Hydraulics; Dewatering Technology; Groundwater Pollution Modeling Course; Water Quantity Management for Long Island Today and Tomorrow; Corrective Action for Containing and Controlling Groundwater Contamination; Eleventh Annual Research Symposium on Land Disposal; Second Annual Environmental Expo for Business & Industry; Hazardous Waste Disposal Management; Underground Storage Tank Management; Tunnel/Underground Construction; Aquifer Remediation Using In Situ Bioreclamation; Introduction to Groundwater Geochemistry; Region II Environmental Regulation Conference; Sixth Annual Summer Institute in Risk Management in Environmental Health & Protection; ECRA Triggers and Transactions; ECRA Process; Sampling and

Cleanup Plans; Haz Mat International '88; HELP's Modeling Workshop; Pollution Insurance Coverage and Environmental Claims Management; Industrial Hygiene Practice Course; Haz Mat International '90; Municipal Solid Waste Landfills - Design, Operation and Management; Aquifer Reclamation and Source Control; Asbestos Inspector; MODFLOW for Simulation of Ground Water Flow and Advective Transport; Implementing the 1990 Clean Air Act - EPA Speaks; Defense Cleanup Contracting Opportunities; Avoiding the Most Common Mistakes Under RCRA and RCRA Land Disposal Restrictions - Step-By-Step Compliance; HEC-RAS - Hydrologic Engineering Center - River Analysis System; AF Environmental Restoration Training. The Municipal Art Society of New York, Panelist, Climate Change in NYC: Designing and Building for What's to Come (6-11-07).

Detailed Experience

Air Resources

- **Title V** - Air Permit for Uniflex. Heat sealing operations for polyethylene sheets into plastic bags, gravure printing, catalytic incineration.
- **Title V** - Air Permit for Poly-Pak. Emissions inventory for entire industry.
- **Title V and Air Pollution Remediation** for NTU circuits. Various mass ballace calculation and installation of air remediation technology at this major printed board manufacturer in NY.
- **Title V and Air Pollution Compliance Monitoring at MicroContacts**, a printed circuit board manufacturer in NY.
- **Title V and numerous Air Pollution Compliance and Mass Ballace Calculations** for a multinational firm in five locations throughout the United States and Canada.
- **Title V Air Permitting** at the Brooklyn VA Medical Center. The scope of work involved four boilers and three internal combustion engines.
- **Title V Air Permitting** at McGuire AFB. This project combined the new design of boilers 2, 3, and 4 and the Title V permit associated with the design.

■ Geohydrology and Hydrology Studies

- Hundreds of geohydrology and hydrology studies for the NYCT as their consultant hydrologist from 1982 to 2004.
- Surface Water Impacts to Long Island Sound from Pesticide Spraying
- Stormwater Analysis for Flood Determination for Town of Greenburgh
- Stormwater Analysis for Town of Huntington
- Stormwater Analysis for Culvert Analysis/Design Town of Babylon
- Hillside Avenue Flooding Analysis for NYCT
- Hydrologic and Inflowtrometer Studies of Kingsbridge Bus Depot NYCT
- Stormwater Analysis Archer Avenue Subway Flooding
- Long Island Areawide Wastewater Management Study; Non Point Source Analysis
- Long Island Nationwide Urban Runoff Study
- AFCEE- PIC of UST Investigation, Plattsburgh, NY
- AFCEE- PIC of Basewide Hydrology Study, Barksdale AFB, LA
- AFCEE - PIC of RCRA Facility Investigation Study, Barksdale AFB, LA
- AFCEE - Water Tower Study, Barksdale AFB, LA
- Savannah River Hydrological and Seismological Investigation, Savannah River, Georgia
- Physical Modeling, Groundwater Contaminant Transport, Long Island
- Mathematical Modeling Groundwater, L.I. Nassau/ Suffolk Areawide Wastewater Mgmt. "208" Study
- Consultant Hydrologist #1, Water Supply Study - NYC Transit Authority
- Groundwater Investigation of Landfill Impacts of Groundwater Quality
- Jamaica Yard Stabilization Project, NYCTA
- NYC Transit Authority - Two Year Consultant Hydrologist
- Groundwater Investigation of the Oceanside & Merrick Landfills, New York
- Army Corps of Engineers (NE Water Supply Study)
- Upzoning the Payson Whitney Estate
- MEK Spill/Aquifer Restoration, Hicksville, NY
- TCE and DCE Aquifer Investigation, Metex Corp.
- Environmental Audit and Site Evaluation, Metex Corp.
- ECRA Parts 1 and 2 Submission, Metex Corp.
- Legal Defense of Upzoning, Village of Lake
- Geohydrological Investigation for Sports Complex in Flushing, UDC

- Geohydrologic Investigation, Hub Truck Rental, Farmingdale
- Geohydrology, Jerry Spiegel Associates
- Geohydrology, Air National Guard
- Geohydrologic Investig., Automatic Connectors, Inc.
- Consultant Hydrologist #3 NYC Transit Authority
- T.V. City, The Trump Organization
- Water Resource Impact, Central Islip, Parr Develop.
- RCRA Tank (UST), Shorewood Packaging Corporation, Farmingdale
- Site Contamination Investigation, Anorad, Hauppauge, New York
- Environmental Investigation and Proposed Cleanup Plan, Shorewood Packaging Corp.
- Water Supply Survey, Metex Corporation
- 360 Permit Closure/Inactive Hazardous Waste Site Investigation, Phase II, Montauk Landfill, Town of East Hampton
- Uniondale Private Landfill, Phase II, Uniondale Realty Associates, New York
- Phase II Soil and Groundwater Screening Investigation, NYC Transit Authority
- Phase I and II Site Contamination Investigation, Anorad Corp., Hauppauge, New York
- Phase I and II Geohydrologic Investigation, Automatic Connectors, Inc., Hauppauge

■ Environmental Audits

- Riverhead Shopping Center, Realco
- American Cancer Society
- Metex Corporation
- Westbury Refining Corporation
- Environmental Audit, Mill-Max Mfg Corporation
- Env. Site Audit, Mill-Max Manufacturing Corporation
- Panel Realty/Philips International
- Hub Truck Rental, Farmingdale
- Realco at Uniondale, Long Beach, Merrick, Riverhead, NY, Columbus, GA, and Lafayette, IN
- Pierpoint-on-the-Hudson
- Delta Realty, Haverstraw, New York
- Parr Development, Tech Park Site
- Parr Development, 58.2 Acre Parcel for Residential Development
- Asbestos Survey at Buildings Located at Central Islip Parr Development
- N. Racanelli Associates, Holtsville
- Trump Organization
- Goldstein & Rubinton
- Gus Schad
- Polimeni Enterprises, Bohemia
- Neil Buick Corporation, Port Jefferson Station

- N. Racanelli Associates, Smithtown
- Phase I, Webster & Sheffield
- Phase I, Parr Development Company, Yaphank
- Rosenman & Colin
- Crosstown Syndicate, TGI Friday's, Huntington, NY
- Cibro Group, Phase I and II, Environmental Site Assessment
- Cibro Group, Environmental Assessment

■ **Hazardous Wastes/RCRA Audits**

- Hazardous Waste Recycling Center
- Genzale Plating Company
- Petroleum Tank Cleaners
- Irwin Measuring Tool Company
- Metex Corporation, 206 Talmadge Road, NJ
- Westbury Refining Corporation
- Mill-Max Manufacturing Corporation
- Metex Corporation, 970 New Durham, NJ
- Air, Water and RCRA Audit, L.T. Heat Treating, Inc.
- Hazardous Materials and Wastes Analysis and Design of Hazardous Storage Building, LORAL
- Waste Stream Evaluation, Shorewood Packaging Corporation, NY
- RCRA Seminar, Shorewood Packaging Corporation, NY
- Industrial Waste Underground Storage Tank Abandonment, NY
- Isopropyl Alcohol Underground Storage Tank Removal, Shorewood Packaging Corp.
- Facility Compliance Audit, Shorewood Packaging Transport, VA
- Rag Recycling Center, Shorewood Packaging Corporation, NY
- RCRA Audit, Shorewood Packaging Corp., GA
- Lyons Ventures, Inc., Herzog Law Firm, NY
- Hazardous Survey, Nardy Pontiac Honda, NY
- Investigate 30 UST & 4 Aboveground Tanks, Remove & Design Replacement-Air National Guard
- Dorne & Morgolin Multimedia Audit
- Amsterdam Color Works, NY Multimedia Audit
- L.T. Heat Treatment, New York Multimedia Audit
- Hemingway Printing Co., CT
- TSD Closure Plan, Shorewood Pkg. Corp., GA
- TSD Closure Plan, Irwin Measuring Tool Corp., NY

■ **Superfund**

- Remedial Investigation and Feasibility Study for SJ&J, NY
- Remedial Investigation for Grucci Site. NY
- Syosset Landfill - Soil and Groundwater Sampling, Syosset, NY

- Sheridan Industrial Waste Oil - Construction of Gas Strippers, NY
- Investig. of Groundwater Quality, NTU Circuits, NY
- Denton Avenue Landfill - Sampling & Analysis of Septage Lagoons, NY
- Montauk Landfill, Geohydrologic Investigation, Town of East Hampton, NY
- Town of Mamakating, Town Landfill, Geohydrologic Investigation, NY
- Garvies Point Landfill, Old Stone Development Corporation, NY
- Environmental Engineering/ Geohydrology, Genzale Printing, Franklin Square, New York, NY
- Phase II Environmental, Strober Realty, Brooklyn, NY
- Phase II Study, Uniondale Shopping Center, NY
- Tres Bon Cleaners, NY
- IWI Industries, NY
- Arkwin Industries, NY
- Cardwell Condenser Industries, NY
- Broadcast Cleaners (VCP Site), NY
- Harder Tree Service, NY
- East River Plaza (Brownfields Site), NY
- Win Holt (VCP Site), NY

■ **Industrial Wastewater Treatment Design**

- Geometric Circuits, Inc.
- NTU Circuits, Inc.
- Heartland Industrial Park
- Sixty Minute Photo
- Mill-Max Manufacturing Company
- Irwin Measuring Tool Company
- Shorewood Wastewater Treatment Plant

■ **Industrial Waste Surveys**

- USEPA Effluent Guidelines - Explosive Industry
- USEPA Effluent Guidelines - Photo Processing Industry
- USEPA Effluent Guidelines - Hospitals
- Nassau-Suffolk 208 - Long Island Regional Planning Board
- Major Waste Oil Reprocessing Plant, Brookhaven, NY

■ **Landfills**

- Town of Riverhead-Youngs Avenue Landfill
- Town of East Hampton - Montauk Landfill
- Town of East Hampton- Springs-Fireplace Road Landfill
- Town of Mamakating
- The Trump Organization
- Envirofil, Inc., Macomb, Illinois
- Parr Development Company

- Parsons/Wittermore, Oceanside Landfill
- Long Island Ashfill Study
- Uniondale Realty Associates
- Parsons/Wittermore, Merrick Landfill
- Nassau County Department of Health, Denton Ave.
- Nassau County Department of Health, Syosset
- Town of Babylon, Babylon Landfill
- Envirofil, Inc., Harland, MI
- Envirofil, Inc., Kelly Run Sanitation, Inc., Elizabeth, PA

■ **Federal Government Environmental Experience**

Program Manager on a 2.0 Million dollar IDIQ contract for the NY District Army Corps of Engineers for environmental, cultural, and biological studies. Thirty one Task Orders were accomplished over a 2 year period. Typical Task Orders are as follows:

- HTRW – South River, NJ
- Archaeological data recovery – revolutionary war resources. Stony Lonesome. II US Military Academy, West Point, NY
- Asbury Park to Manasquan, NJ, Beach Erosion Control project – Biological Resource Assessment
- HTRW NY Harbor
- SPCC Fort Hamilton & Fort Totten, NY
- Vegetative mapping of barrier islands, Fire Island, NY using infrared photography
- EIS – Deepening of the Arthur Kill/Howland Hook Navigation Channel

Program Manager on a \$2.5 million dollar IDIQ contract for the Northeastern District of the FAA covering environmental services at airports throughout the Northeast United States. Forty Task Orders were accomplished over a nine year period. Typical Task Orders are as follows:

- Environmental Assessments and Environmental Due Diligence Audits for six automated flight service stations (AFSS) at six different airports in Pennsylvania, New Jersey, Virginia, New York and West Virginia.
- Noise impact analysis of new runway at Teterboro Airport, NJ using FAA noise model.
- Ten environmental assessment and environmental due diligence reports for MALS facilities.
- Fifteen asbestos investigation studies for various buildings in New York and New Jersey airports.
- Five soil gas and sub-surface soil analyzing (Phase II).
- Environmental due diligence studies at nine potential sites for screening for Air Traffic Control Center in Virginia and southern Maryland.

Program Manager on a \$25 million preliminary assessment, site investigating RI/FS, RCRA FA/FI, and remedial design (Title I and II) for the Air Force Center for Environmental Excellence (AFCEE). Thirty-nine Task Orders were accomplished totaling \$17 million at the following bases: Griffiss (NY), Plattsburgh (NY), Roslyn (NY), Barksdale (LA), Carswell (TX), Randolph (TX), Lackland (TX), Scott (KY), McCord (WA), Fairchild (WA), Edwards (CA) and Cavalier (ID). All of the services of these projects were in the Installation Restoration Program (IRP) or The Compliance Program.

Program Manager GSA Environmental Schedule Contract. Managed \$2 million worth of contracts and completed ten Task Orders. Examples include:

- Sampling for Anthrax bacteria at IRS Beckley Finance Control Center in Andover, MA – IRS
- Plum Island Animal Disease Center demolition, recycling and waste removal project – Dept. of Homeland Security.
- Evaluation and implementation of the BEAL Laboratory at Edwards AFB.

Program Manager for an eight-year \$1.1 billion contract with the Air Force Center for Environmental Excellence (AFCEE) for environmental restoration, conservation, planning, compliance and pollution prevention. In addition, it includes traditional A&E services for design and construction of military family housing and MilCon.

To date, twenty-eight Task Orders have been issued at the following bases: Edwards (CA), Tinker (OK), Myrtle Beach (SC), Griffiss (NY), Barksdale (LA), Lackland (TX), Altus (OK), Fairchild (WA), Plattsburgh (NY), Nellis (NV) and Los Angeles (CA).

Program Manager for the US Army Corps of Engineers Kansas City District. Ten million dollar IDIQ contract for miscellaneous military and civil hazardous waste clean-up projects and related work assigned to USEPA Region II and VII.

To date, 25 delivery orders and modifications have been accomplished. A large portion of this contract was used by the OMAHA Corps to support projects at Nellis AFB. The rest of the contract is being used at Griffiss to support their long-term monitoring program.

Program Manager for The Air Force Center for Environmental Excellence (AFCEE) Worldwide Environmental Restoration and Construction Contract (WERC). This is a \$4 billion, eight-year contract for environmental remediation and traditional construction, especially design build. Presently six Task Orders are in various stages of development at the following bases: Edwards (CA), Nellis (NV) and Tinker (OK).



Mr. Loyst has over 16 years of experience in environmental and civil engineering involving areas such as regulation compliance/permitting, environmental impact analysis, solid waste management, site investigations, remediation, hydrology, design, and feasibility studies.

Functional Role	Title	Years of Experience
Environmental/Civil Engineer	Department Manager - Environmental Engineering	20

Personal Data

Education

M.S./1997/Environmental Engineering-
Brooklyn Polytechnic University
B.S./1989/Interdisciplinary Engineering & Management-
Clarkson University
B.S./1988/Civil and Environmental Engineering-
Clarkson University

Registration and Certifications

Licensed Professional Engineer in State of New York
OSHA - approved 40 hour Health and Safety Training
Course and 8 hour refresher training
Asbestos Project Designer
OSHA 8-hr HAZWOPER Supervisor

Societies/Associations

Chi Epsilon - National Civil Engineering Honor Society
American Society of Civil Engineers

Employment History

1992 to Present FPM Group
1989-1992 Westinghouse Electric Corp.

Technical Seminars

Hazardous Waste/RCRA, Emergency Planning &
Community Right-To-Know (EPCRA), Environmental
Impact Analysis/NEPA/EIS/EA, Air/CAA, Stormwater,
Soil Erosion & Sediment Control, Soil Remediation,
Asbestos Abatement

Detailed Experience

Regulation Compliance/Permitting

- Client List: Governmental –US Postal Service, US Army Corps of Engineers, US Air Force, Veterans Administration, NYS Office of General Services (NYSOGS), NYS Parks, NYS Corrections, NYS Department of Transportation; Private/Industrial-numerous.

- Quarterly and semi-annual monitoring and reporting in accordance with NYSDEC Part 360 regulations for several landfills in Long Island.
- Environmental compliance audits covering the Clean Air Act (CAA), Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Emergency Planning and Community Right to Know Act (EPCRA), and local regulations involving areas such as hazardous material storage.
- Air permitting and associated reporting including Title V and 76-19-3 air permits; new source review; seasonal variance applications; BACT analysis; emission statements; annual and semi-annual compliance certifications; Air Guide 1 and Screen 2 modeling; Air Facility Registrations; air quality assessments; emission reduction credits, and stack testing.
- Performed RCRA compliance activities involving waste stream characterizations; waste minimization; pollution prevention; manifest tracking; preparation of quarterly, annual, and bi-annual reports; and training.
- Prepared hazardous waste closure plans in accordance with 6NYCRR 373-3 and implemented closure of hazardous waste management areas in accordance with 6NYCRR 373-3.7(c).
- Expert witness testimony for hazardous waste disposal matters.
- Performed EPCRA/Sara Title III audits, reporting and investigated administrative complaints.
- Suffolk County Department of Health Services (SCDHS) Article 12 and Nassau County Department of Health (NCDOH) Article 11 Toxic and Hazardous Material Storage Facility Permits.
- Prepared, reviewed, and certified numerous Spill Prevention Control and Countermeasure Plans (SPCCPs) in accordance with 40 CFR Part 112.

- UST compliance inspections in accordance with NYSDEC - Petroleum Bulk Storage (PBS) and Chemical Bulk Storage (CBS) regulations; SCDHS Article 12; NCDOH Article 11; and National Fire Protection Agency (NFPA) codes.
- NYS Department of Environmental Conservation (NYSDEC) State Pollution Discharge Elimination System (SPDES) permits for industrial and stormwater discharges.
- Baseline and semi-annual monitoring, BMR and SMR reporting, and sampling for wastewater discharges for compliance with NYCDEP and SCDPW requirements.
- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of photoionization detector (PID) and flame-ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Site Specific Health and Safety Plans (HASPs).
- Sound level studies to determine compliance with local noise ordinances.

■ Environmental Impact Analysis

- Client List: Governmental-Federal Aviation Administration, US Army, US Army Corps of Engineers, US Department of Agriculture (USDA)
- Environmental Assessments for Federal Aviation Administration (FAA) navigational aid projects at numerous airports in the northeast region in accordance with the National Environmental Policy Act (NEPA) and FAA order 1050.1D Policies and Procedures for Considering Environmental Impacts. Airport projects included Instrument Landing Systems (ILS), Approach Lighting Systems, Remote Transmitters, Doppler Equipment, Air Traffic Control Towers and Air Route Traffic Control Centers. Airports and support areas included Teterboro, Richmond Intl, Baltimore Washington Intl, Syracuse-Hancock Intl, Newark Intl, Stewart, Philadelphia Intl, LaGuardia, and Leesburgh.
- Environmental assessments for the Army and Air Force Exchange Service (AAFES) at bases in Oahu, HI in accordance with NEPA, AR-200 Environmental Effects of Army Actions and DOD Directive 6050.1 Environmental Effects in the US of DOD Actions. Projects included capital improvement projects at Schofield Barracks, Helemano Military Reservation, Aliamanu Military Reservation, and Bellows Air Force Base.

- Coastal/Biological Monitoring Program components for the US Army Corps of Engineers (USACE), New York District Beach Erosion Control Projects including intertidal ichthyoplankton studies, intertidal offshore finfish studies, nearshore and offshore benthic sampling, water quality analysis, and creel census.
- Cultural resource projects for USACE and FAA in the northeast region including cultural resource surveys; cultural resource assessments; underwater archeology surveys; and recordations.
- Wetland Delineations and Biological Surveys (Grassland Birds) in support of FAA EAs at Teterboro Airport.
- Historic Preservation Plan for Plum Island NY and Historic Structure Report for Plum Island Light Station, Plum Island Animal Disease Center, NY.
- Environmental Scoping Document and presentation agenda for the District's Atlantic Coast of Long Island Fire Island Inlet to Montauk Point, NY Storm Damage Reduction Reformation Study.
- Preliminary Environmental Assessment (PEA) Reconnaissance Studies for USACE Flood Control and Shore Protection Projects in South River, Raritan River Basin, NJ and Cliffwood Beach, NJ.
- Environmental assessment and architectural and historical study for a USMA historical building/site at West Point, NY.
- Draft Supplemental Environmental Impact Statement (EIS) Limited Reevaluation Study for the Deepening of the Arthur Kill/Howland Hook Navigation Channel in NY/NJ.

■ Solid Waste Management

- Client List: Governmental- USDA, NYSOGS, Municipalities – Town of Riverhead
- Performed site reconnaissance, surveying, identification, and enumeration activities to develop plans, specifications, and environmental permitting for NYSOGS for processing waste tire materials into beneficial shred material to be used by the New York State Department of Transportation (NYSDOT) in road construction projects. Following the development of plans and specifications, FPM assisted NYSOGS with bidding phase services including contractor award and construction/remediation/restoration/ oversight. In total approx. 4 million tires were recycled at four sites across New York State.

- Removal, recycling, and disposal of over 10,000 cy of construction and demolition debris at various waste management areas on Plum Island, NY involving plans, specifications, cost estimating, and construction oversight for USDA.
- Estimated the remaining volume and footprint for the Youngs Avenue Landfill, Riverhead, NY which currently was in a full scale reclamation mode. Prepared and implemented a boring and excavation plan involving numerous deep borings and shallow test pits and used topographic surveys/landfill maps to estimate footprint boundaries and landfill volume. Based on the results, approximately 2m cy were estimated to be remaining or approximately four to five times the estimated amount. Riverhead Town then put the reclamation project on hold while it evaluated other options including capping. Assisted the Town with capping estimates, feasibility study for reclaiming and capping a reduced landfill and engineering reviews for a full Part 360 landfill cap design.

■ Site Investigations

- Client List: Governmental-US Army Corps of Engineers, NYS Office of General Services, NYS Dept. of Corrections, Internal Revenue Service; Municipalities-Town of East Hampton; Private-numerous
- ASTM Phase I Environmental Assessments for property transactions in Suffolk, Nassau, and the five boroughs of New York.
- Sampling and Analysis Plans for Phase II investigations in Long Island and NYC.
- Groundwater, soil, and air sampling at numerous sites on LI and NYC for landfill closures, remedial investigations, and petroleum spills.
- Petroleum Spill Investigations (gasoline, diesel, No. 2 and 6 fuel oil) and associated closure work for tanks and other types of discharges in the metropolitan and upstate NY regions.
- Hazardous, Toxic, and Radioactive Waste (HTRW) Preliminary Assessments in NY and NJ.
- Polychlorinated Biphenyl (PCB) basewide (3500 acres) evaluation of electrical equipment at Griffiss Air Force Base.
- Anthrax sampling for several IRS mail sorting facilities.

■ Remediation

- Client List: Governmental-US Air Force, NYSOGS; Private/Industrial-Star Corrugated Box Co., Shorewood Packaging, Metex Corp.

- Remediation of lead contaminated soil at four water tower sites at Barksdale Air Force Base, LA via excavation/disposal. Feasibility studies, work plans, Health and Safety Plans, Closure Reports, and No Further Response Action Planned Memorandums were prepared in conjunction with the remediation.
- In-site soil remediation of VOCs through vapor extraction and soil aeration techniques at LI and NJ contaminated sites.
- Removal of contaminated soil associated with petroleum spills and tank issues at LI, NYC, and upstate facilities.
- Identification, characterization, and removal of hazardous material and hazardous waste at industrial facilities and psychiatric centers in LI and NYC.

■ Hydrology

- Client List: Governmental-New York City Transit, Palisades Interstate Park Commission; NYS Office of General Services, Municipalities-Town of Greenburgh; Private-numerous.
- Hydrologist consultant to New York City Transit (NYCT) involving numerous drainage studies and investigation of mitigation measures for stormwater and groundwater issues at bus depots, train yards, and subway stations.
- Hydrologist consultant to Town of Greenburgh involving the review of EIS documents, Stormwater Management Plans, Soil Erosion and Sediment Control Plans, drainage calculations, and modeling for proposed development projects on sites up to 300 acres.
- Reviewed, prepared, and implemented numerous State Pollutant Discharge Elimination System (SPDES) General Permits for Stormwater Discharges from Construction Activities, Stormwater Pollution Prevention Plans (SWPPPs), and Soil Erosion and Sediment Control Plans for government, municipal, and private clients.
- Performed dye-testing studies at several NYCT facilities in NYC, Grand Central Terminal, and La Salle Military Academy to identify discharges and remedies.
- Provided expert witness testimony on flooding cases involving residences and municipalities in Long Island and Westchester County.
- Runoff calculations, drainage alternatives, and best management practices for site development projects in Long Island, NY City, and Westchester County.

- Evaluation of porous pavement installations at several NYCT bus terminals.
- Evaluation of existing surface and subsurface disposal systems at NYCT facilities and Long Island commercial residential properties.
- Water resources impact analysis for Ramapo Energy Limited Partnership DEIS.
- Evaluation and rehabilitation of groundwater well dewatering pumping systems via downhole camera videotaping, riser swab cleaning high velocity jetting, pump test analysis, specific capacity testing, and pump redesign.

■ Design

- Client List: Governmental-FAA, NYCT, NYSOGS, USCG, NYS Parks, USPS; Municipalities-Riverhead Central School District, East Hampton Airport; Private-Net Properties, TGI Fridays, Arkay Packaging, Kiss Nails, Orlandi, Grucci Fireworks.
- Hazardous material storage area design for industrial and governmental facilities in accordance with Suffolk County and Nassau County regulations and containment provisions (e.g., containment buildings, bermed epoxy coated storage areas).
- Conventional subsurface sewage disposal system and reduced pressure zone device designs and construction management services for numerous governmental, municipal, and private facilities.
- Soil erosion and sediment control plans and certifications for FAA airport navigational aid projects.
- New track and field athletic complex at USCG Academy, New London, CT involving NCAA regulation 8-lane track with synthetic type running

service, separate event throwing areas, NCAA regulation soccer field inside the track and all necessary elements for typical collegiate facilities (lighting, grandstand, scoreboard, etc.) Critical design aspects included managing infiltration and surface water runoff for discharge into Thames River and environmental permitting (SWPPP and coastal zone consistency determination).

- Porous pavement designs for NYCT bus depots.
- Plans and specifications for asbestos abatement projects for elementary schools in LI.
- Asbestos abatement specification reviews for FAA facility rehabilitations.

■ Feasibility Studies

- Client List: Governmental-NYCT; Private-Chugai Boyecki, Net Properties.
- Study to prevent the potential migration of a PCB oil pool/contaminated aqueous plume and peat layer settlement due to dewatering activities at Sunnyside Yard, Queens.
- Investigated disposal alternatives for permanent subway dewatering activities in Brooklyn and Manhattan, NY
- Site Planning studies for property consolidations and expansion of shopping centers in LI. Site development potential was evaluated in accordance with local ordinances/codes.

■ Quality Control

- As Department Manager and Project Manager, performs QC on environmental compliance tasks including review of data, designs, and report of Task Leaders.



Ms. Davis has diversified experience in geology and hydrogeology. Her professional experience includes groundwater and soil investigations, design and management of soil remediation projects, design and installation of groundwater containment and remediation systems, groundwater flow modeling, aquifer testing and interpretation, evaluation of site compliance with environmental regulations, environmental permitting, and personnel training.

Functional Role	Title	Years of Experience
Senior Hydrogeologist	Department Manager - Hydrogeology	24

Personal Data

Education

M.S./1984/Geology

B.S./1981/Geology

Registration and Certifications

Certified Professional Geologist #9487, (AIPG) 1995

California Registered Geologist #5192, 1991

Pennsylvania Registered Geologist #PG-000529-G, 1994

OSHA – Approved 40 hour Health and Safety Training Course (1990)

OSHA - Approved 8 hour Health and Safety Training Refresher Courses (1991-Present)

OSHA-Approved 8-hour Site Safety Supervisor Training Course (2008)

National Ground Water Association

Long Island Association of Professional Geologists

Employment History

1993-Present FPM Group

1992-1993 Chevron Research and Technology Co.

1990-1992 Chevron Manufacturing Co.

1984-1990 Chevron Exploration, Land, and Production Company

Continuing Education

- o Treatment of Contaminated Soil and Rock
- o Groundwater Pollution and Hydrology
- o Environmental Law and Regulation
- o Remedial Engineering
- o Soil and Foundation Engineering
- o Environmental Geochemistry

Detailed Experience

Site Investigations

- Provides oversight and coordination for ongoing investigation and remedial projects at several New York State Inactive Hazardous Waste Disposal Sites, Voluntary Cleanup Program Sites, and Brownfield Cleanup Program Sites. Investigations have included site characterization, Remedial Investigation/ Feasibility studies, and RCRA Facility Investigations. Remedial Services have included contaminated soil removals; ORC and ARC

injections; design, installation and operation of all sparge/soil vapor extraction systems; sub-slab depress investigation, capping, and other remedial services.

- Provides program coordination and oversight for all Phase I ESA, Phase II investigations, and remediation projects for a major commercial developer on Long Island, New York. Projects have included environmental services associated for the purchase and redevelopment of office buildings, aerospace facilities, former research and development facilities, and large manufacturing plants. Remedial Services have provided RCRA closures, UIC closures, tank removals, and Brownfield Cleanup Program projects.
- Planned and managed a Resource Conservation and Recovery Act (RCRA) Facilities Investigation (RFI) at Barksdale AFB, Louisiana for AFCEE. Responsible for all aspects of field program planning, solicitation and selection of subcontractors, mobilization and establishment of a field office, supervising multiple field crews, installation and sampling of monitoring wells, collection and soil samples, data tracking and management and preparation of an RFI report. The scope of work included characterization of the nature and extent of groundwater and soil contamination at thirteen Solid Waste Management Units (SWMUs), performing a base-wide evaluation of background contaminant concentrations, and developing a long-term groundwater monitoring program for the base.
- Managed field sampling crews for major underground storage tank (UST) investigation at Plattsburgh AFB, NY, for AFCEE. Responsible for field crew training, coordination of sampling crews at separate sites, sample labeling, handling, tracking, and shipping, field data management and remote field office management. The scope of work included collection of over 450 groundwater samples to characterize groundwater conditions in the vicinity of 150 USTs using a Geoprobe sampling rig, wellpoints, and rapid turnaround-time analysis.

- Managed site investigation activities, including soil vapor sampling, soil sampling and analysis, groundwater sampling and analysis, and geotechnical evaluation for numerous sites in Suffolk County, New York. The resulting data were utilized by a major supermarket company in the negotiations for the purchase of the properties and in the property remediation prior to development.
- Performed site investigation activities including soil vapor analysis, soil sample analysis, and groundwater sampling and analysis at an active commercial bus terminal in the Bronx, NY. Made recommendations for site remediation including UST removal, soil excavation and disposal, and free-phase product extraction.
- Prepared various work plans and reports, including a RCRA Facilities Investigation Work plan, incorporating existing geologic, chemical and historical data, evaluating newly-acquired site data, and developing recommendations for further investigation and remedial action at a City of Richmond former municipal landfill
- Managed on-site and off-site soil and ground-water sampling program at a manufacturing facility in Bay Shore, NY. Compiled resulting data and prepared a comprehensive report of the investigation results for the Suffolk County Department of Health Services (SCDHS) and NYS Department of Environmental Conservation (NYSDEC). Proposed remediation technologies for on-site soil contamination and on-site and off-site groundwater contamination.
- Managed and conducted a soil and groundwater sampling program using a Geoprobe sampler adjacent to Newark Airport Runway 29 for the Federal Aviation Administration. Analyzed resulting chemical analytical data and presented results to client.
- Supervised and conducted drilling, soil sampling, cone penetrometer testing, and well installation at a refinery process water effluent treatment system and former municipal landfill.
- Supervised drilling, installation, development, and sampling of monitoring wells at numerous sites in the greater New York metropolitan area. Utilized resulting stratigraphic, hydrologic, and chemical analytical data to evaluate site conditions.

■ Remediation

- Designed soil remediation plan and managed contractor support for a metal parts plating and manufacturing facility in Suffolk County, New York. Soil remediation was overseen and approved by the SCDHS.

- Designed and performed indoor underground storage tank abandonment program, leaching pool remediation plan, and managed contractor support for a tape measure manufacturing facility in Suffolk County, New York. SCDHS provided oversight and approval.
- Participated in the design process for a groundwater containment and remediation system for a former municipal landfill, including subsurface groundwater barrier walls and extraction wells.
- Designed soil remediation plan and supervised contractor performance of soil remediation activities at an active construction site in Carle Place, NY. Project involved excavation and disposal of approximately 5,000 tons of PCB-, metal-, and petroleum-contaminated soil. NYSDEC provided oversight and approval of the completed remediation.
- Coordinated technical aspects of subsurface groundwater barrier wall construction, including routing, permitting, design, material selection, and field activities.

■ Hydrogeologic Evaluations

- Prepared Engineer's Report for Long Island Well Permit for a 230-gpm irrigation supply well. Responsible for evaluation of well interference, salt water upconing, impacts from contaminants, and other factors affecting the proposed well.
- Performed well design (gravel pack size, screen size, etc.) for numerous groundwater wells on Long Island. Familiar with sieve analyses, well construction and development methods.
- Utilized Visual Modflow groundwater modeling program to evaluate the impact of a contaminant plume on a proposed SCWA wellfield. Model development included evaluation of recharge, aquifer properties, subsurface stratigraphy, boundary conditions, plume source and concentration, and various wellfield locations and pumping rates.
- Participated in a multi-day, multi-well aquifer pumping test for New York City Transit (NYCT) Lennox Avenue site. Responsible for operating and maintaining data logging equipment, coordinating manual water level measurements, and analyzing resulting drawdown data.
- Evaluated subsurface geologic conditions for NYCT Avenue T site utilizing existing boring logs, topographic, and historic map data.
- Supervised drilling, installation and development of groundwater extraction, injection, and monitoring wells at a USEPA Superfund site in Deer Park, New York. Interpreted aquifer and well

performance from development data and made recommendations for modification of drilling and development procedures.

- Performed slug tests on monitoring wells at a New York City Transit Authority site, and evaluated hydrologic properties using the HYDROLOGIC ISOAQX computer program.
- Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.
- Performed water level and water quality monitoring at an industrial site in Mattituck, NY. Constructed groundwater elevation contour maps and utilized chemical analytical data to predict contaminant plume migration.

■ Landfills

- Prepared work plans for Closure Investigations of two Town of East Hampton landfills. Each work plan included a Hydrogeologic investigation, methane investigation, surface leachate investigation, and vector investigation. Prepared final Closure Investigation Reports, which were accepted by the NYSDEC.
- Supervised the installation of groundwater and methane monitoring wells to complete the monitoring networks at the Town of East Hampton landfills. Services provided included hollow-stern auger and mud-rotary well installations, split-spoon soil sampling and boring log preparation, oversight and interpretation of wireline electric logging, and completion of initial baseline monitoring events.
- Supervises ongoing groundwater and methane monitoring programs for Town of East Hampton landfills. Responsibilities include field team coordination, communications with the Town, report scheduling, data package review, and report review prior to distribution to the client and NYSDEC.
- Performed groundwater sampling at a radio tower facility constructed on a landfill in NJ. Analyzed results and made recommendations to client.
- Conducted methane monitoring at Springs-Fireplace Road and Montauk Landfills for the Town of East Hampton.
- Used the PC-based modeling program FLOW PATH to predict groundwater flow directions and evaluate extraction well locations and pumping rates for a groundwater containment and remediation system at a former municipal landfill.
- Negotiated successfully with NYSDEC for reduced monitoring frequencies at Town of East Hampton based on historic monitoring results. Maintained

quarterly monitoring frequency only for specific containments at key locations.

- Manages monthly methane monitoring for all Town of Islip landfills. Monitoring program includes onsite and offsite methane wells, methane collection systems, and flare systems. Data is recorded electronically and downloaded to computer for formatting prior to delivery to Town. Data is reported in final form within two days of collection.
- Supervises and reviews production of quarterly and annual monitoring reports for all monitoring programs at Town of Smithtown landfill. Project includes tabulation and reporting of groundwater and methane monitoring data, solid waste and recycling collection data, yard waste composting operations, and landfill leachate collection and disposal data. Multiple copies of each report are prepared for Town delivery to the NYSDEC.

■ Environmental Data Analysis

- Received multiple sessions of environmental geochemistry training provided by environmental geochemists, including physical chemistry, thermodynamics, ionic interactions, complexation, biologic effects, and other basic principles. Training also included field sampling procedures and effects on chemical data, chemical analytical methods and equipment, and QA/QC procedures and interpretation.
- Reviewed and evaluated numerous soil, groundwater, product, indoor/ambient air and soil vapor chemical analytical datasets, including evaluation of batch and site-specific QA/QC samples, laboratory narratives, comparison to regulatory agency criteria, historic data, and background data.
- Developed and implemented numerous Quality Assurance Project Plans (QAPP), including QAPP design, sample delivery group (SDG) evaluations, sampling procedures and sequences, and QA/QC sample preparation/collection.
- Attended periodic environmental chemistry training sessions hosted by environmental laboratories and participated in hands-on training in data and QA/QC evaluation.
- Prepared Data Usability Summary Reports (DUSRs) for numerous chemical analytical datasets for projects overseen by the USEPA, NYSDEC and other regulatory agencies. Datasets evaluated have included soil, groundwater, soil vapor, indoor air, and ambient air.
- Performed forensic assessments of historic environmental chemical analytical data to resolve

apparent discrepancies with modern data and other dataset inconsistencies.

- Assessed various leachate test protocols and results to determine the most applicable methods to evaluate and develop soil cleanup objectives for non-regulated compounds.
- Interpreted numerous organic parameter datasets to evaluate breakdown sequences, likely original parameters, and rates of degradation.
- Formulated numerous chemical treatment plans for insitu remediation of environment contaminants, including assessment of contaminant concentrations and distribution, chemical processes and indicators, natural attenuation indicators, additional stoichiometric demands, and hydrogeologic factors.

■ Health and Safety

- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of photoionization detector (PID) and flame-ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.
- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Familiar with calibration and operation of noise meters, particulate monitors, and PID/FID.
- Performed screening for radiation at select sites. Familiar with operation of Geiger counter in different radiation modes and with background readings.

■ Miscellaneous Projects

- Performed numerous Phase I Site Assessments for residential and industrial sites on Long Island, New York.
- Conducted aquifer pumping and soil vapor extraction test training. Instructed classes for site investigation methods, aquifer pumping test analysis, and risk assessment.
- Performed various project management functions, including development and management of project budgets and schedules, coordination of field and office staffing, document preparation, review, editing, and interaction with clients, regulatory, legal, real estate, consultant, and compliance personnel.
- Organized, supervised, and conducted remote field mapping studies in Alaska.
- Directed well site geophysical logging operations and interpreted geophysical well logs.
- Conducted methane monitoring at Springs-Fireplace Road and Montauk Landfills for the Town of East Hampton.
- Processed and interpreted seismic reflection data and constructed seismic velocity models.
- Evaluated site compliance with environmental regulations. Assisted and reviewed regulator's revision of proposed risk assessment-based UST cleanup guidelines. Reviewed proposed USEPA NPDES permits for remediation system effluent.
- Constructed and interpreted structural and stratigraphic cross sections, and structure contour, fault surface, isochore, and isopach maps.



Mr. Cancemi has diversified experience in geology and hydrogeology. His professional experience includes groundwater and soil investigations, design and management of soil remediation projects, installation and maintenance of groundwater containment and remediation systems, aquifer testing and interpretation, geotechnical studies, evaluation of site compliance with environmental regulations and environmental permitting.

Functional Role	Title	Years of Experience
Hydrogeologist	Senior Hydrogeologist	13

Personal Data

Education

M.S./2001/Hydrogeology/SUNY Stony Brook
B.S./1995/Geology/SUNY Stony Brook

Registration and Certifications

OSHA 40-hour HAZWOPER and Current 8-hour Health and Safety Training and Current Annual Physical
OSHA 8-hour HAZWOPER Supervisor
OSHA 10-hour Construction Safety and Health
Underground Storage Tank Subsurface Evaluator –
New Jersey Department of Environmental Protection
Certified Professional Geologist –
American Institute of Professional Geologists
Geological Society of America
Long Island Geologists
National Groundwater Association

Employment History

2001-Present	FPM Group, Ltd.
1998-2001	Burns & McDonnell Engineering Company
1997-1998	Groundwater and Environmental Services
1996-1997	Advanced Cleanup Technologies

Detailed Experience

Hydrogeologic Evaluations

- Performed constant head hydraulic conductivity (packer) testing in boreholes located in fractured bedrock in lower and central Manhattan, NY. The testing was conducted to evaluate fracture connectivity with the nearby Hudson and East River and determine parameters such as hydraulic conductivity such that procedure could be

implemented for proposed construction of a new subway station.

- Performed slug tests on monitoring wells at a service station in Nyack, New York to determine aquifer properties such that a dewatering system could be designed to facilitate the removal and installation of a UST system.
- Performed aquifer pumping and slug tests and evaluated hydrologic properties using the computer program AQTESOLV.

Site Investigations

- Coordinated and performed soil and groundwater sampling and soil vapor studies at several electronics development and manufacturing facilities situated across Long Island, NY to evaluate how each facilities past usage had effected the environmental quality of the property. Assessments at each facility included an evaluation of how past manufacturing and facility operations relating to the storage and use of materials including solvents, petroleum and manufacturing derived wastes had impacted the underlying soils and groundwater of the site and surrounding properties. Following completion of each investigation areas of concern were identified for further evaluation and /or corrective action.
- Coordinated and performed soil and groundwater investigations at various properties utilized for agriculture and horticulture to evaluate the impact of past herbicide and pesticide usage on the underlying soil and groundwater.
- Coordinated a soil and groundwater sampling program to evaluate environmental conditions at Terminal A, Logan International Airport, East Boston, Massachusetts. The program included an

assessment of the current fuel hydrant system and other locations of potential environmental concern using non-destructive air vacuum extraction-clearing techniques combined with direct push sampling.

- Performed soil remediation by soil excavation at Terminal B, Logan International Airport, East Boston, Massachusetts. Soil excavation was coupled with onsite TPH analysis and confirmatory end point sampling to determine extent of remediation and potential reuse of impacted soils.
- Managed several remediation projects for various aviation clients at JFK and LaGuardia Airports. Duties included site monitoring, sampling, reporting, environmental compliance, and remediation system operation and maintenance.
- Participated in a soil and groundwater investigation/remediation project at a former petroleum terminal near Atlantic City, New Jersey. Project duties included soil and groundwater sampling and delineation. Following the initial investigation a remedial action plan was prepared and remedial measures implemented. Remedial measures included soil excavation, free product recovery and risk assessment.
- Supervised and conducted soil remediation by field screening and confirmatory endpoint sampling at a former service station, Bronx, New York. Soil removal consisted of the removal of approximately 2,000 cubic yards of petroleum-impacted soil.
- Supervised and coordinated an investigation into a fuel hydrant system failure resulting in the release of an estimated 5,000 gallons of type A jet fuel. Duties included emergency response coordination, a soil and ground-water assessment utilizing direct push technology, monitoring well installation, groundwater monitoring and product recovery using high vacuum extraction techniques.

■ Phase I Environmental Site Assessments

- Performed numerous Phase I Environmental Site Assessments (ESAs) for various commercial and industrial properties throughout the Northeastern United States for various clients including trucking companies, major airlines, telecommunication companies and manufacturing companies.

■ Remediation

- Participated in a NY State Brownfield redevelopment site located in East Harlem, NY. Responsibilities

included daily air and noise monitoring to ensure the surrounding community was not affected by site activities, coordinated, oversaw and documented the removal of over 80,000 tons of material to seven separate disposal facilities, performed a soil vapor survey, collected confirmatory end point samples to document completion of remedial excavation with site specific cleanup objectives.

- Have performed pilot testing, design, installation and procurement of numerous multi-depth soil vapor and air sparge remediation systems situated in Long Island to remediate subsurface soils and groundwater impacted with chlorinated and non-chlorinated volatile organic compounds. Other duties have included remediation system operation and maintenance, and evaluations of system performance.
- Have performed numerous storm water and sanitary leaching structures cleanouts utilizing excavation and/or vacuum assisted equipment to remove contaminated sediments and liquids. Other duties have also included waste characterization and profiling, pipe camera surveys and structure locating utilizing water soluble dyes and electronic locating equipment.
- Participated in the delineation and removal of petroleum-impacted soils associated with a former jet fuel hydrant system at San Francisco International Airport. Project duties included directing soil removal activities, manifesting, confirmatory endpoint sampling, and restoration activities oversight.
- Participated in the design and installation of soil vapor extraction system for a former service station in Elwood, New York. Design. Project duties included equipment procurement, installation and monitoring well installation.
- Operated and maintained various remediation systems including; soil vapor extraction, groundwater pump and treat, air sparge, dual-phase extraction, and free-phase petroleum recovery systems.

■ Health and Safety

- Performed health and safety monitoring at investigation and remediation sites during intrusive activities. Monitoring included calibration and operation of photoionization detector (PID) and flame-ionization detector (FID) for organic vapors and combustible gas indicator (CGI) for methane. Compared results to applicable action levels and took preventative/protective measures as necessary.

- Performed community monitoring, including monitoring for noise, particulates (dust), and organic vapors. Recorded observations and compared to applicable action levels. Familiar with calibration and operation of noise meters, particulate monitors, and PID/FID.
- Performed screening for radiation at select sites. Familiar with operation of Geiger counter in different radiation modes and with background readings.
- Managed and performed a site investigation and regular groundwater monitoring at a site impacted with perchlorate. Other duties have included the identifying, characterization and remedial excavation of impacted soils.
- Participated in a geotechnical evaluation at a new cargo hanger, JFK international Airport. The evaluation consisted of timber and steel monotube pile installation oversight, vertical load testing, and compilation of data.

■ Other

- Coordinated RCRA closure activities and performed confirmatory sampling at a former package manufacturing facility in Garden City, NY. Project duties included contractor procurement, rinsate and soil sampling and regulatory agency reporting and coordination.
- Managed and performed monthly soil gas sampling and quarterly indoor air quality sampling at an elementary school in southwestern Nassau County, NY. The monitoring and related reporting was performed to ensure that an underlying gasoline groundwater plume migrating through the school property was not impacting the school occupants.
- Supervised and participated in the coordination of the demolition of two bulk petroleum storage facilities and the removal of various USTs at a major airline aviation fuel terminal at Logan International Airport, East Boston, Massachusetts. Project duties included regulatory agency coordination and reporting, contractor coordination and oversight, waste management, and health and safety.
- Supervised and coordinated the removal of two 6,000-gallon diesel USTs at a trucking terminal in New Cumberland, Pennsylvania. Project duties included contractor coordination, health and safety, field oversight, confirmatory sampling and regulatory agency reporting.
- Managed and perform routine methane monitoring at two eastern Long Island landfills to evaluate potential offsite migration to the surrounding community. Indoor air is also monitored with a flame ionization detector to ensure that methane does not pose a concern to landfill operation buildings.
- Managed and conducted a UST system upgrade in Enfield, Connecticut. UST system upgrades included the removal of four 15,000-gallon steel storage tanks, conducting confirmatory end-point sampling and overseeing the installation of two 20,000-gallon double-wall fiberglass reinforced plastic storage tanks.