

Pressly And Associates, Inc.

Nicholas C. Pressly

Profile:

Nicholas Pressly has over sixteen years of experience in the environmental assessment and remediation field. He has adapted his to project work under the NYS Brownfield Cleanup Program, managing all aspects of technical work as well as citizen participation and coordination of multi-agency regulatory requirements. He is in the forefront as a designer of in-situ petroleum/solvent remediation systems and has personally developed new methods to speed cleanup of organic chemicals using a combination of physical and biological removal mechanisms. Mr. Pressly is recognized for making advances in the application of bioremediation, multi-phase extraction, and horizontal well remediation systems. He has specific experience in the design of systems which minimize interference to active transportation and industrial facilities.

Select Experience - Groundwater Technology, Inc. (4/89-6/93):

1. Lead Engineer/Geologist for RCRA Partial Closure Certification and Facility Closure Plan (FCP) implementation in accordance with 6 NYCRR Subpart 373-3 guidelines for Safety-Kleen Facility in Congers, NY. Impacts were addressed under the Correction Action Module (Module III) of the Draft Part B Permit.
2. Lead Engineer/Geologist at two active Safety-Kleen Facilities to address mineral spirits and organic solvent contamination under RCRA Facility Closure Plan as required by 6 NYCRR Subpart 373-3 and Part 265 of 40 CFR. Work included pilot testing and installation of a pump and treat and SVE systems.
3. Lead Engineer/Geologist for RCRA Facility Closure Plan (FCP) implementation to address solvents at ETL Testing Laboratories in Cortland, NY and HADCO in Owego, NY.
4. Project Manager of 14 active gasoline remediation systems for Mobil Oil Corporation.
5. Lead Engineer/Geologist in performance of site assessments and remediation at the Mobil-Port of Albany facility.
6. Site assessment, design and management for the installation of a horizontal SVE system at a former bulk storage facility for Sun Refining and Marketing, Inc.

Select Experience - Port Authority of NY and NJ (5/93-8/96):

1. Environmental Engineer in charge of research for the Port Authority of NY and NJ Aviation Design Division to determine the effectiveness of bioremediation systems.
2. Task leader for design, testing, installation, and operation of in-situ remediation systems for Terminal 1 at John F. Kennedy Airport to address jet fuel contamination.
3. Task leader for design, testing, installation, and operation of horizontal well remediation systems for Terminal 1A and the International Arrivals Building at John F. Kennedy Airport to address jet fuel contamination.

Select Experience - Pressly & Associates, Inc. (8/96-Present):

1. Design, contractor selection, and oversight to install horizontal wells and conduct groundwater sampling beneath the High Flux Beam Reactor (HFBR) at Brookhaven National Laboratory under special contract with the US Department of Energy. Two wells, 400 ft in length were installed and sampled.
2. Preparation of NY Brownfield Cleanup Program (BCP) approved Remedial Investigation Work Plan, Investigation, and Remedial Action Plan submittals, including all field work covered under those submittals.

3. Completion of environmental investigations for three (3) NYC Economic Development Program sites in the Bronx, NY.
4. Licensed Environmental Professional (LEP) in Connecticut from 1997 to June 2005. Oversight of Transfer act property assessment and remediation at 5 sites.
5. Computer modelling for multi-phase extraction (MPE) system design alternatives for Terminal 5 at JFK international airport
6. Subcontract computer modelling for air sparge (AS) and soil vapor extraction (SVE) system design alternatives for NYC School Construction Authority site.
7. Design and operation oversight for a 12-well MPE extraction system at the JFK airport International Arrivals Bldg.
8. As CTLEP, performed remedial system design for PCE at a dry-cleaner release in a major shopping center in Darien, CT
9. Preparation of bid specifications, design drawings, and construction oversight for a 9-well (600 feet each) horizontal cathodic protection well installation at the Satellite bulk jet fuel storage facility at John F. Kennedy International Airport.
10. Oversight of horizontal drilling for JFK airport Bulk Fuel Farm Remediation. Work included a 3-well (600 feet each) design and construction oversight.
11. Bio-remediation analysis for Terminal 1A and International Arrivals Bldg. horizontal well systems at JFK International Airport for the Port Authority of NY & NJ.
12. Horizontal well design, installation oversight, well pump design, and preparation of a groundwater sampling plan for the United States Department of Energy (DOE) at Brookhaven National Laboratory in Brookhaven, NY. The work was performed under emergency status with direct DOE supervision.
13. Preparation of bid specifications, design drawings, and construction oversight for cathodic protection horizontal well installation at Newark International Airport.
14. Groundwater treatability study and preparation of draft groundwater treatment system design for horizontal well remediation systems for the United Airlines Terminal at John F. Kennedy International Airport.
15. Biofeasibility testing and remedial alternatives analysis for petroleum releases at the Vancouver International Airport, B.C., Canada.
16. Biofeasibility testing, remedial alternatives analysis, and pilot test design for petroleum, xylene, and acetone contamination at the Canada Colors Cliveden Plant, Annacis Island B.C., Canada.
17. Oversight of 4-well (1000 feet each) horizontal well installation for the subsurface remediation systems at the Northville bulk storage facility in Holtsville, NY
18. Remedial alternative analysis, horizontal well design, and bacterial study to address a coal gasification plant plume at the University of Minnesota.
19. Performance of Phase I and II site assessments for over 100 commercial and industrial facilities in NY, NJ, CT, TX, IN, and IA

Education:

M. Eng. Environmental Engineering
Rensselaer Polytechnic Institute - May 1993

B.S. Geomechanics, College of Engineering
University of Rochester - May 1988

Paper Presentations And Publications:

1. Pressly, N.C., *Engineering and Empirical Methods For Horizontal Well Air Flow Design.*, Horizontal Wells Field Seminar., Trenchless Technology., Denver, CO., October 16, 1996.
2. Roth, R.J., Pressly, N.C., *Remediation of Jet Fuel Contaminated Soil and Groundwater at JFK International Airport Using Horizontal Air Sparging and Soil Vapor Extraction.*, Proceedings of 1st International Conference on Air Sparging, International Network For Environmental Training, Inc. Las Vegas, NV. October 24, 1996
3. Pressly, N.C. Lucas, B., and Frumer, B., Roth, R.J. *Dynamic Subsurface Conditions Affect In Situ Remediation System at JFK International Airport.* Environmental Protection, July, 1996.
4. Pressly, N.C., Kirshner, M., and Roth, R.J., *In-Situ Remediation of Jet A Fuel in Soil and Groundwater by High Vacuum, Dual Phase Extraction at JFK International Airport.* Groundwater Monitoring and Remediation, Fall 1996
5. Roth, R., Bianco, P., Rizzo, M., Pressly, N., and Frumer, R., *Phase I Remediation of Jet Fuel Contaminated Soil and Groundwater at JFK International Airport Using Dual Phase Extraction and Bioventing.* Proceedings of Superfund XVI Hazardous Waste Conference And Exhibition, Washington, D.C., November 8, 1995
6. Fournier, L.B., Pressly, N.C., Downs, C.E., *Horizontal Wells for Enhanced In Situ Biodegradation of Jet Fuel in Soil and Groundwater at a Commercial Airport.* Proceedings of In Situ and On-Site Bioreclamation, The Third International Symposium, Sand Diego, CA, April 25, 1995
7. Roth, R.J., Land, C.A., and Pressly, N.C., *Remediation of Jet Fuel Contaminated Soil and Groundwater at JFK International Airport Using Dual Phase Extraction and Bioventing.* Proceedings of Federal Environmental Restoration IV and Defense Cleanup Southeast Conference, Rockville Maryland, March 15, 1995
8. Pressly, N.C., *Subsurface Petroleum Spills - Causes Effects, and Response.*, Presented at Americal Society of Civil Engineers Rutgers University Student Chapter, New Jersey, November, 1994.
9. Pressly, Nicholas C., *Degradation of Chlorinated Hydrocarbons in Mineral Spirits in a Simulated Aquifer System.* Rensselaer Polytechnic Institute Research Library, Spring, 1993.