

Christopher Pyra

Senior Technician

Mr. Pyra has over 20 years' field experience including environmental sampling and soil and groundwater remediation. Mr. Pyra's field experience includes monitoring well installation, well development, soil sampling, soil gas sampling, surface water and groundwater sampling as part of the above-ground and underground storage tank (AST/UST) sites, RCRA and CERCLA investigations, as well as various in situ remediation efforts at sites impacted by petroleum and chlorinated and other solvent-based products and heavy metals. Mr. Pyra has a broad range of experience with a variety of remediation reagents including oxygen and hydrogen-releasing compounds, emulsified oils for enhanced bioremediation, and various compounds for chemical oxidation. Mr. Pyra has performed these in-situ remediation projects with a variety of delivery regimes including gravity-feed, direct injection, recirculation as well as using permeability enhancement techniques to provide more effective delivery. Mr. Pyra is certified for, and has extensive experience with, operating heavy machinery such as excavators and powered industrial trucks.

Education

B.A. Graphic Design
Montclair State University, 1992

Safety Training/Certifications

OSHA HAZWOPER 40-Hour/8-Hour - OSHA 29 CFR 1910.120

OSHA 10-Hour Construction\

CPR/AED/First Aid Training

Asbestos Awareness – OSHA 29 CFR 1910.1001 & 40 CFR Part 763 Subpart G

Confined Space Awareness - - OSHA 29 CFR 1910.146

Aerial Lift – OSHA 29 CFR 1910.67

Forklift – Standard/Rough Terrain - OSHA 29 CFR 1910.178

Half-Face Air Purifying Respirator Fit Tested

Mobile Elevating Platform Operator Training

Metro-North Railroad Contractor Safety Training

SELECTED PROJECTS

Former Specialty Chemical Manufacturing Site, Hackensack, New Jersey – Participated in site investigation activities and active remediation at a former specialty chemical manufacturing facility shown to be heavily contaminated with various chlorinated organic compounds. Participated in the current full-scale, multi-year implementation of an in situ chemical oxidation (ISCO) remediation at the site. Participated in the development of a customized injection trailer to inject the oxidant chemicals in up to 20 wells simultaneously at an injection rate of up to thirty (30) gallons per minute while maintaining measured injection rates and suitable pressures at each injection well and the use of an injection-extraction technique to address inaccessible areas of the site to create subsurface recirculation loops for treatment in those areas.

Eastern Surplus Superfund Site, Meddybemps, Maine – Conducted injection activities including extraction, amendment, injection and monitoring. Utilized vegetable oil amendment and a proprietary culture of *Dehalococcoides* (Dhc) to bioremediate elevated concentrations of chlorinated VOCs present in bedrock groundwater.

Former Electronics Manufacturing Site, Kirkwood, New York – Participated in the operation and maintenance of a gravity fed in-situ chemical oxidation (ISCO) system utilizing sodium

permanganate to address chlorinated VOC impacts in groundwater. Assisted in groundwater monitoring for NYSDEC compliance and remediation monitoring and optimization.

Former Gasoline Station, North Arlington, New Jersey – Performed multiple ISCO injection events including extraction, amendment, and injection of an oxygen-releasing compound to remediate petroleum-based VOCs. Assisted in the optimization of the recirculation loop to improve area-of-impact of the injected reagents.

McConnell Air Force Base, Kansas – Participated in pneumatic fracturing to increase soil permeability and injecting iron slurry to remediate VOCs and refined petroleum contamination in compliance with the Defense Environmental Restoration Program (DERP).

Electronics Manufacturing Site, Woodland Park, New Jersey – Operated heavy machinery and aerial work platforms to perform the excavation of contaminated soil under the direction the EPA Resource Conservation and Recovery Act (RCRA) and New Jersey Department of Environmental Protection (NJDEP) Property Transfer Program.

Former Machine Shop, Dover, New Jersey – Supervised the implementation of a cutting-edge remedial program utilizing pneumatic fracturing and using the injection of sodium hydroxide and sodium persulfate to remediate groundwater and saturated soil.

Atlas Missile Site 4, Wyoming – Supervised and performed multi-stage injections of permanganate as well as zero-valent iron using pneumatic emplacement via nitrogen to remediate trichloroethene (TCE) impacts in the groundwater. This work was performed under the supervision of the Omaha District of the Army Corps of Engineers for the Formerly Used Defense Sites (FUDS) program.

Joint Base McGuire, Dix, Lakehurst, New Jersey- Serves as field technician for the performance of two contracts at the base. The first contract is for quarterly inspections, servicing and maintenance of all Oil Water Separator (OWS) units on-base. Responsibilities include monitoring and inspection of OWS units as well as timely reporting of statuses and issues, as well as the performance and/or oversight of subcontractors for required system maintenance as needed. The second contract is for Heating Oil Tank Custodian services for all heating oil tanks located on the base. Responsibilities include routine daily and weekly inspections of heating oil fuel levels to ensure tank fuel levels are within acceptable levels, and coordinating fuel deliveries and maintenance or repair activities.

EMPLOYMENT HISTORY

- 2018 – Date Senior Technician
Verina Consulting Group, LLC
Bridgewater, New Jersey

- 2015 – 2018 Remediation Technician
Cascade Drilling and Technical Services
Jackson, New Jersey

- 2001 – 2015 Remediation Technician
ARS Technologies, Inc.
New Brunswick, New Jersey