

Nate Oropollo

Biologist, Environmental Scientist



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Areas of Specialization

- Federal and State agency compliant groundwater, soil and vapor sampling programs
- LNAPL and DNAPL recovery programs
- In-situ remediation system installation and operation
- In-situ chemical oxidation programs
- PFAS-impacted media remediation and sampling programs
- Ecological toxicology sampling
- Avian and protected species monitoring
- Wetland delineation and monitoring

Selected Projects - Remediation

- **PFAS-Impacted Surface Water Recovery and Treatment, NY** - Assisted in the installation of a multi-point, automated surface water recovery system to collect impacted surface water with an AFFF release. Assisted in the operation and maintenance of the surface water treatment system and collected PFAS compliance samples.
- **Large-Scale Contaminated Soil Excavation, DE, NJ** - Site supervisor for direct oversight, access permit acquisition, subcontractor management, data quality assurance, and regulatory compliance for large-scale contaminated soil removal projects.
- **In-situ Bioremediation Remediation, NJ** - Operator of system to degrade aqueous-phase chlorinated solvents at a Federal NPL Superfund site.
- **Soil and Groundwater Remediation, PA, DE, NJ** - Lead remediation specialist responsible for system operation, maintenance, troubleshooting, data analysis and treatment system optimization. Technologies include air sparge/soil vapor extraction, dual-phase extraction, bio-augmentation, pump and treat, carbon adsorption, phase separation, LNAPL/DNAPL recovery and thermal/catalytic oxidation.
- **LNAPL Remediation, Industrial Site, DE** - Site Manager for the installation and operation of a groundwater depression and LNAPL recovery system of mixed petroleum fuels.

Education

B.S., Biology/Environmental Science
Lycoming College, PA 2013

Registration/Certification

Wetland Delineation Certificate Series

- Vegetation Identification
- Wetlands Delineation
- Wetlands Identification

Ecological Risk Assessment

PE Plastic Fusion Joining

OSHA Certified 40 Hour HAZWOPER

OSHA 10 Hour Construction Training

OSHA Certified Confined Space Entry Training

Red Cross First Aid/CPR

Red Cross AED (Automated External Defibrillators)

Affiliations

Miller Keystone Blood Center



Selected Projects—Remediation (continued)

- **Remediation System Installation, Former Dept of Defense Site, PA** - Site Manager for Large Scale HDPE Pipe Installation System that involved the installation of over half a mile of 3” and 4” HDPE piping on a former military ammunition production site for treatment of Chlorinated solvent impacted water.
- **In-situ Chemical Oxidation Projects, PA, DE, NJ** - Lead remediation specialist deploying Fenton’s Reagent, hydrogen peroxide, activated sodium persulfate using multiple control and delivery technologies.

Selected Projects - Ecological

- **Protected Avian Species Survey, DE & MD** - Lead biologist conducting surveys and monitoring of Federally-protected avian species along long-distance electrical transmission circuits.
- **Phytoremediation of Wastewater Spray Field, PA** - Site Supervisor for the planting and management of 30,000 specially-selected willow shrubs to mitigate wastewater impacts on an upland forest spray field.
- **Wetland Monitoring, Superfund Site, NJ** - Site Manager for large-scale surface water and soil/sediment sampling activities within wetlands as part of a USEPA Superfund Cleanup.
- **Invasive Plant Species Eradication and Native Species Introduction, PA** - Biologist involved in the reestablishment of natural habitats, enhanced nitrogen fixation, and strengthened soil formations at a Pennsylvania Wildlife Refuge.
- **Freshwater Stream Evaluations, PA** - Biologist involved in multiple projects to determine pollutant levels and water chemistry to develop mitigation plans.
- **Macroinvertebrate Lethal-Dose Limit Study, PA** - Biologist leading a field study associated with an industrial site restoration effort.

Selected Projects - Media Sampling

- **Covid-19 in Wastewater Sampling, PA** - Managed and field supervised on-site wastewater sampling program to predict early outbreaks of COVID-19 at several universities and school districts.
- **Groundwater Sampling, Superfund Site, NJ** - In-field supervisor of a quarterly groundwater and surface water sampling program encompassing over 75 monitoring wells and surface water locations following strict USEPA and NJDEP protocols.