

# Connor E. Firor

## Project Manager



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### Areas of Specialization

- Environmental field sampling activities; groundwater, surface water, sediment, wastewater, air, and soil
- Focused soil investigation and remediation
- Aquifer test evaluation and analysis
- National Pollutant Discharge Elimination System (NPDES) coordination and support
- Phase I and Phase II Environmental Site Assessments (ESAs)
- Pennsylvania Land Recycling Program (Act 2)
- Federal superfund project support
- Geographic information system (GIS) computer modeling
- Familiar with US EPA- and PA DEP- provided statistical analysis/ modeling programs
- Environmental site conceptual and visual modeling
- Data compilation and analysis
- Environmental database management
- Oversight and auditing of third-party environmental field sampling programs

### Overview of Professional Experience

- Mr. Firor is a Geoscientist with six years of experience in the environmental consulting industry.
- His expertise includes conducting Phase I and II Environmental Site Assessments (ESAs), developing remedial work plans, and preparing compliance and regulatory reports, site characterization documents, and due diligence reports.
- Mr. Firor also has experience in quality assurance, having performed field and desktop audits, drafted quality assurance plans and field sampling plans, and supported clients with the preparation of requests for proposals and services.
- He is also proficient in modeling, managing, and analyzing environmental data using a variety of software tools, including ArcGIS, Microsoft Office, and specialized programs for statistical analysis and modeling provided by the US EPA and PA DEP.

### Education

M.S., Earth and Environmental Science, specialization in Earth Surface Processes and Hydrology, Montclair State University, Montclair, NJ, 2019.

B.A., Environmental Science, specialization in Environmental Policy and Management, McDaniel College, Westminster, Maryland, 2015.

### Registration/Certification

OSHA 29 CFR 1910.120 40-hour HAZWOPER Training, 2019 and annual updates.

Adult First Aid/CPR AED Certified, Valid through April 2025.





## Relevant Project Experience

- **Phase I Environmental Site Assessments– Multiple Sites, United States** - Conducted Phase I ESAs across various residential, commercial, and industrial properties. Key activities included site walks, historical document reviews, identification of environmental hazards, and report preparation.
- **On-Site Characterization, Multiple Clients, Pennsylvania and New Jersey** - Planned and executed low-flow groundwater, soil, and air monitoring to support site characterization and closure. Conducted grab and composite soil sampling for waste characterization and installed sub-slab and near-source vapor sampling points. Managed indoor air investigations for both residential and non-residential properties.
- **Emerging Contaminant Phase II Site Assessment, Alabama** - Coordinated a focused Phase II ESA on emerging contaminants (PFAS) at a site under consideration for purchase by a logistics company. Investigated potential PFAS contamination from historical firefighting foam use.
- **Pennsylvania Act 2 Transformer Release, Philadelphia** - Completed a 90-day release report under Pennsylvania’s Land Recycling Program (Act 2) following the discovery of a buried transformer during site development. Following the submission of the report within the required timeframe, release of liability (ROL) was granted.
- **Pennsylvania Act 2 Site Characterization and Closure, Philadelphia** -Managed site characterization and investigation for a former industrial facility under Pennsylvania’s Act 2 program. The site, subdivided into five separate Act 2 areas, achieved closure and ROL for four, with the fifth in the final stages. Contaminants included VOCs, PAHs, and select metals, with remedies including soil removal, risk assessments, and in-place capping. Developed multiple site-specific models (Quick Domenico, BIOCHLOR, and Unsaturated Zone Migration models).
- **Pennsylvania Act 2 Focused Soil Investigation and Remediation, Pennsylvania** - Coordinated a focused soil remediation project under the Pennsylvania Act 2 Voluntary Cleanup Program. Remediation involved removing arsenic and mercury-impacted soils, securing Act 2 ROL for the site.
- **Pennsylvania Chapter 245 Tank Investigation, Pennsylvania** - Conducted a tank release investigation following the reported discovery of a release during site construction activities at a global specialty metals manufacturer. The investigation was conducted in compliance with Pennsylvania’s Chapter 245 tank regulations.
- **Stormwater Pollution Prevention Program (SWPPP), Multiple Clients, Pennsylvania** –Performed 24-hour composite surface water sampling to support permits and pollution plans. Samples were collected and analyzed for ultra-trace polychlorinated biphenyl (PCB) concentrations. The results were used to identify potential upstream historical releases.
- **Delaware River Basin Commission PCB Pollution Minimization Compliance, City of Wilmington** - Provided consulting services related to the City of Wilmington’s wastewater treatment plant (WWTP) for compliance with the Delaware River Basin Commission (DRBC) PCB Pollutant Minimization Plan. Project scope evolved around the collection of 24-hour composite sampling at multiple locations at the site along with the sample collection of biosolids. In addition, trackback sampling throughout the City of Wilmington’s sewer system was conducted in an effort to pinpoint statistical trends related to PCBs.





## Relevant Project Experience

- **NPDES and Routine Groundwater Support, Pennsylvania** - Performed weekly NPDES surface water sampling and regulatory support at a global specialty metals manufacturer in Pennsylvania. In addition, coordinated and managed the facilities groundwater monitoring program, including both sampling and reporting to the PA DEP.
- **Wastewater Trackback Study, Pennsylvania** -Coordinated a contaminant trackback study for a multinational pharmaceutical manufacturer to identify trends and potential sources of wastewater contamination.
- **Groundwater Compliance Regulatory Reporting, Chester County** - Managed quarterly groundwater reporting for a municipal landfill in Chester County, including well network evaluation, sampling, trend analysis, and statistical reporting to PA DEP. Conducted independent third-party audits of the landfill's groundwater sampling program.
- **Large Scale Soil Remediation, Western Pennsylvania** - Assisted with the development and lead field sampling operations on a remediation litigation project at a shooting range in western Pennsylvania, which included, the development of a remedial work plan, groundwater investigation plan, sediment evaluation plan, and remediation plan.
- **Environmental Protection Agency TSCA Soil Remediation, Philadelphia**—Led field operations for the removal and proper disposal of PCB-impacted soil under TSCA regulations at a former industrial facility in Philadelphia.
- **Silver Bow Creek/Butte Area Superfund Site, Montana** - Performed technical desktop auditing of Atlantic Richfield Company consultants field sampling operations during soil and dust sampling throughout the city of Butte, Montana.
- **Aquifer Testing and Analysis, Multiple Sites, Pennsylvania** - Conducted advanced aquifer tests, including slug and pump tests, to assess aquifer characteristics in various locations across Pennsylvania.

## Select Presentations and Publications

Gruzalski, J., Kraycik, J., Firor, C., and Adams, B., 2022 “**Groundwater Monitoring Paradigm – Things You Can Do Now.**” Groundwater Resource Center Workshop.

Ophori, D., Firor, C., and Soriano, P, 2019 “**Impact of road deicing salts on the Upper Passaic River Basin, New Jersey: a geochemical analysis of the major ions in groundwater.**” Environmental Earth Sciences, 78:500

Firor, C, 2019 “**Impact of road deicing salts on the Upper Passaic River Basin, New Jersey: a geochemical analysis of the major ions in groundwater.**” New Jersey Water Environmental Association, 104th Annual Conference.

Firor, C, 2018 “**Impact of road deicing salts on the Upper Passaic River Basin, New Jersey: a geochemical analysis of the major ions in groundwater.**” Middle States Division, American Association of Geographers Conference. Montclair, NY.

