

# Randy Copenhaver, P.G, LSRP

## Senior Project Manager



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### Areas of Specialization

- Environmental investigation, remediation, and strategy
- New Jersey and Pennsylvania regulatory support
- Phase I Environmental Site Assessments by ASTM Standard Practice E1527-13
- Vapor intrusion investigation and mitigation
- Bedrock geologic assessments
- Federal TSCA PCB remediation
- Regulatory and technical writing
- Communication and team management.
- Applied environmental health and safety management

### Qualifications

- Bachelor's of Science degree in Geology, Lafayette College.
- New Jersey Licensed Site Remediation Professional
- Registered Professional Geologist in Pennsylvania

### Overview of Professional Experience

- Over 17 years of diverse hands-on environmental investigation and remediation experience, including soil, groundwater, vapor intrusion, bedrock, tanks, MGP sites, brownfields, and due diligence for a broad range of client types.
- New Jersey Licensed Site Remediation Professional with experience completing and managing Preliminary Assessments, Site and Remedial Investigations, Remedial Actions and all related Site Remediation Program requirements.
- Registered Professional Geologist in Pennsylvania with experience completing site closures according to Pennsylvania's Act 2 Land Recycling Program.
- Experience conducting environmental due diligence and Phase I Environmental Site Assessments by ASTM Standard Practice E1527-13 on a broad range of property types and clients.

### Education

Lafayette College, Easton, Pennsylvania,  
Bachelor of Science in Geology 2002

### Certifications

Professional Geologist for the  
Commonwealth of Pennsylvania (2015 to  
current)

New Jersey Licensed Site Remediation  
Professional (2019 to current)

OSHA 40-Hour HAZWOPER Training  
(2002 to current)

### Affiliations

Environmental Bankers Association  
Affiliate Member

National Ground Water Association

Licensed Site Remediation Professional  
Association





## Select Projects

- **Bedrock Chlorinated Solvent Site in North Jersey (2010-2016)** Managed a team to complete bedrock investigations of a chlorinated solvent plume at an active commercial garage in an industrial park on behalf of the LSRP of record. Activities completed and managed included review of historical documents for the site and surrounding sites, conceptual site model preparation, receptor evaluation, bedrock well installation, down-hole geophysics, fracture tracing, groundwater sampling, vapor intrusion investigation, Vapor Concern mitigation, and groundwater modeling. In addition to the chlorinated plume, this site had an on-site petroleum plume, an off-site petroleum plume migrating onto the site, and numerous former tanks with unsatisfied administrative closure requirements. A comprehensive Remedial Investigation Report was completed documenting all activities, demonstrated delineation of the chlorinated solvent plume, and supported issuance of an Unrestricted Use RAO for former tanks and an off-site plume migrating onto the site, which allowed the client to focus on remediation of main concerns at the site going forward.
- **Various Electric Utility Maintenance Facilities in Pennsylvania and New Jersey (2002-2020)** Completed and managed soil, groundwater, and vapor intrusion investigations and remediation related to tanks, PCBs, and garage operations at active facilities throughout New Jersey and eastern Pennsylvania for a regional electric utility company. Completed many tank removals in accordance with NJDEP and PADEP regulations. Investigated and remediated petroleum products, chlorinated solvents, PCBs, historic fill, and other contaminants. PCB cleanups according to federal TSCA regulations. Completed several projects in accordance with NJDEP ISRA regulations. Many sites included managing legacy environmental contamination with evolving modern regulations in the most cost-effective manner. Also assisted the client with environmental due diligence and risk management related to property purchases, sales, leasing, and redevelopment.
- **Former MGP Site in South Jersey (2003-2020)** Conducted and assisted a team to complete soil and groundwater investigations and remediation of a former MGP site situated in municipal public housing property and dense residential and commercial area. Activities included soil and groundwater delineation, groundwater monitoring, LNAPL assessment, vapor intrusion investigations, air-sparge wall remediation, building demolition, application of NJ-approved compliance averaging methods, installation of surficial caps, and deed notices.
- **Insurance Claim Remediation in New Jersey (2018-2019)** Investigated and developed innovative solutions to remediate a property with a former MGP gas holder and historic fill to obtain site-wide Unrestricted Use RAO closure on behalf of the environmental insurance company and the policy holder. The remedial action consisted of excavation with NJDEP-approved compliance averaging methods, including spatially-weighted averages (theissen polygons) to limit costs and avoid/protect key site structures. Remedial activities required obtaining permits from the municipality for excavations within the public right-of-way. Preliminary Assessment, Site and Remedial Investigations, Remedial Action, obtaining permits for excavation, NJDEP reporting, and issuance of the Unrestricted Use RAO was completed in approximately three months of initial NJDEP release reporting.
- **Various Former Industrial Brownfields Sites in City of Trenton (Assunpink Greenway, 2002-2020)** Completed and managed Preliminary Assessments, Site and Remedial Investigations, and Remedial Actions of many different former industrial properties on behalf of the City of Trenton. Investigation and remediation of these sites was funded by state and federal grants to support a continuous public park along the Assunpink Creek, known as the Assunpink Greenway Park project (ongoing).
- **Chlorinated Solvent Plume in South Jersey (2008-2014)** Completed and managed field investigations of an 1,000+ foot chlorinated solvent plume from an active manufacturing facility and underlying an urban residential community. Successfully completed monitoring well installation and sampling, hydrogeologic interpretation, on- and off-site vapor intrusion investigations, Vapor Concern mitigation at several off-site residences and businesses, and completion of related NJDEP submissions.
- **Various Truck Fueling and Maintenance Facilities in Pennsylvania and New Jersey (2002-2020)** Completed and managed investigations and remediation related to underground storage tanks and garage operations for a national truck rental, leasing, maintenance, and fueling company at facilities throughout New Jersey and eastern Pennsylvania. Oversaw removal of many underground storage tanks and completed environmental investigations and reporting in accordance with PADEP and NJDEP requirements. Also assisted the client with environmental due diligence and risk management related to property transactions.





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- **Underground Storage Tank Removals in Bucks County, Pennsylvania** Managed underground storage tank removals at various school facilities on behalf of the Central Bucks School District. Completed assessment sampling and UST closure reporting in accordance PADEP Closure Requirements for Underground Storage Tanks. Several cases involved release reporting, soil remediation, and groundwater characterization in accordance with PADEP Corrective Action and USTIF requirements. Also assisted the district with preparation of specifications for public bidding of remediation contractors.
- **Environmental Support During School Construction, Cheltenham, Pennsylvania** Managed characterization and remediation of a hydraulic oil release from a former elevator piston shaft on behalf of the municipal school district. The release was identified below a school building during a major demolition and reconstruction project and was completed on an extremely fast-paced schedule to maintain construction schedules. Activities included soil and groundwater assessment, soil excavation, public school board meetings, and completion of a Final Act 2 Report to obtain release of liability. The project required excellent communications with the municipal school district, construction managers, general contractor, the architect, the PADEP, and subcontractors.

