

# Adam Rak, P.G., L.R.S.

## Senior Geologist

### Biography

Mr. Rak is a Project Geologist with expertise in structural/petroleum geology, hydrogeology, core/log analysis, contaminant modeling, and database integration. This has allowed him to work on projects nationwide. His experience comes from jobs focused on Fate and Transport modeling, feasibility studies, vapor intrusion monitoring, soil remediation, well installation and abandonment, unconventional reservoir asset development, and database integration management. Mr. Rak has conducted research, modeling, oversight, and reporting on various horizontal well assets, power plants, steel mills, and wood treatment facilities and is the technical lead on a CERCLA project in EPA Region 3.

### Regulatory Experience

- » CERCLA/RCRA
- » Voluntary Cleanup Programs
- » State Permitting
- » Stormwater Management Permitting
- » CCR Regulations
- » AST Closure Regulations

### Practice Areas

- » Brownfield Remediation/Redevelopment
- » Coal Combustion Residuals
- » Environmental Due Diligence
- » Environmental Permitting & Compliance
- » Geophysical Investigations
- » Groundwater Flow/Contaminant Modeling
- » Oil & Gas Services
- » Soil & Groundwater Remediation
- » Superfund/RCRA

### Representative Project Examples

**Superfund Site:** Prepared remediation plan and design for passive DNAPL via network of recovery wells. Analysis of subsurface conductivity to determine well placement. Provided oversight for system installation QA/QC. Designed and Implemented groundwater monitoring program. Developed Erosion and Sediment Control Plan including floodplain restoration, trees, and native ground cover. Oversaw landfarming program from initiation through closure.

**Coal Combustion Residuals (CCR):** Integrated 35 years of historical data into a centralized database to support modeling and permit renewal. Prepared permit renewal applications. Performed aquifer parameter testing in multiple wells. Optimized monitoring program through use of data analytics.

**Oil and Gas Services (multiple):** Managed emergency response of spill that migrated to the edge of the site in steep topography. Performed surface soil excavation. Initiated surface groundwater monitoring. Remediated above-ground storage tanks (AST). Collaborated to achieve site restoration through PA ACT2 program.



### Licenses and Affiliations:

- » Professional Geologist in:
  - » PA
  - » KY
- » Licensed Remediation Specialist in:
  - » WV
- » HAZWOPER Training

### Education and Skills:

- » M.S. Structural Geology, University of Pittsburgh
- » B.S. Geology, Slippery Rock University
- » ArcGIS
- » Fate & Transport Modeling