

Robert Mertz, P.E.

Senior Project Manager

Biography

Mr. Mertz has extensive experience in civil and environmental engineering. He was involved in and/or prepared project planning documents, basis of design and design analysis reports, permit applications, construction drawings, technical specifications, bid procurement packages, and construction quality assurance/quality control (CQA/QC) plans. Recent experience includes projects in Ohio and New Jersey for closure of CCR ash piles and ponds and remediation of CERCLA sites using low permeability and geomembrane caps and vertical containment barriers (SB slurry wall).

Regulatory Experience

- » CERCLA/RCRA
- » Voluntary/State-Based Cleanup Programs
- » Federal, State & Local Permitting
- » Clean Water Act
- » CCR Regulations

Practice Areas

- » Civil Design
- » Coal Combustion Residuals
- » Construction Oversight
- » Design-Build-Operate
- » Environmental Due Diligence
- » Soil & Groundwater Remediation
- » Superfund/RCRA

Representative Project Examples

Investigation and Design: Prepared Design Basis and Criteria for slurry wall relocation. Developed subsurface investigation program. Assessed stability & integrity of existing CB slurry wall. Managed geotechnical field and laboratory work plan scope.

Investigation, Design, Oversight, & Certification: Engineered soil remedial action design. Certified E&SC Plan, SPPP, and multiple related NJDEP surface water-related permits. Assisted with contractor selection. Provided engineering services and oversight during construction.

Investigation & Design (CCR): Developed and implemented pre-closure topography surveys, field geotechnical investigations, and geotechnical laboratory testing. Achieved successful and compliant pond and landfill closures. Prepared closure plans including PTIs. Engineered cover systems using on-site borrow materials.



Licenses and Affiliations:

- » Professional Engineer in:
 - » CO
 - » NJ
 - » OH
 - » PA
 - » WV
- » HAZWOPER Training
- » OSHA Supervisor Training

Education and Skills:

- » M.E. Civil Engineering, Pennsylvania State University
- » B.S. Civil Engineering, Pennsylvania State University