

Services

Site Characterization and Evaluation

- Environmental audits and impact assessments
- Multi-site divestiture and acquisition assessments
- Geophysical studies
- Soil and groundwater investigations
- Hydrogeologic assessments and modeling
- State voluntary action site assessments
- Brownfield redevelopment environmental assessments
- UST site characterizations
- Facility structure evaluation regarding asbestos, lead paint, and chemical contamination
- RCRA Facility Assessments and Investigations
- RCRA Corrective Measure Studies
- CERCLA Remedial Investigations and Feasibility Studies

Risk Evaluation

- CERCLA/State environmental risk assessments
- Risk management/risk-driven remediation
- Risk communication
- Environmental modeling

Site Remediation

- Pilot-scale remediation testing
- Soil and groundwater containment
- Groundwater extraction and treatment
- *In-situ* soil and groundwater treatment
- Product recovery (LNAPL and DNAPL)
- UST removal and closure
- Excavation and off-site treatment or disposal
- Engineering/institutional controls
- Remedial alternative review and pricing
- Long-term environmental cost development
- Project management/oversight

Economic Development

- Economic development consulting
- Site redevelopment planning, management, and implementation
- Project development and management
- Grant writing/assistance
- Regulatory facilitation and community relations
- Added economic development capacity for public clients
- Land reuse planning



Regulatory Compliance and Permitting

- Facility/corporate compliance audits
- Emergency Response Plans
- Pollution Prevention Programs
- EPCRA Reporting (Form R, Tier II)
- Regulatory planning and management programs
- Environmental permitting

Liability Management

- Phase I ESAs
- Phase II ESAs
- Asbestos surveys
- Due diligence assessments
- Risk evaluations

Air Quality

- New Source/Process Modification Permitting
- Air dispersion modeling
- Emission inventories
- Risk management programs
- Control Technology Determination (BACT, RACT, MACT)
- Emission Credits

Civil and Geotechnical Engineering

- Subsurface exploratory investigations
- Geotechnical evaluations
- Shallow foundation design
- Piles, caissons, and deep foundations
- Retaining wall design
- Slope stability/landslide assessments
- Settlement and bearing capacity evaluations
- Subsidence prediction and mitigation engineering
- Roadbed and pavement design
- Structural assessments
- Specifications and bid document preparation
- Construction management, QA/QC, and certification services



Services

Site Development Engineering

- Grading plans
- Site layout and utilization planning
- Utility plans
- Storm water management planning and permitting
- Erosion and sediment control plans
- Wetland mitigation
- Environmental assessment
- Stream crossing and encroachment permitting
- Specifications preparation/construction packages
- Municipal and regulatory permitting

Water Resources Engineering

- Dam safety inspections
- Hydrologic evaluations
- Stream quality assessment and restoration
- Stream bank stabilization
- Water utilization modeling/planning
- Water quality assessments
- Watershed studies
- Dam design and permitting
- Reservoir/impoundment design

Water Quality

- NPDES permitting
- Storm water permitting
- Pretreatment programs
- Water quality modeling
- Biological studies
- Wastewater treatment technology evaluations

Mining and Quarry Services

- Overburden and reserve studies
- Storm water management
- Facility layout and design
- Abandoned mine stabilization
- Water quality/NPDES permitting, monitoring, and assessment
- Mine refuse disposal facility planning and design
- Environmental assessment/permitting
- Acid mine drainage treatment

Solid Waste Management Services

- Site investigation and characterization
- Facility layout/operational planning
- Disposal facility design
- Facility closure
- Surface water controls
- Landfill construction/operation support

- Leachate management planning
- Environmental permitting

Litigation Support

- Environmental forensics
- Engineering forensics
- Expert testimony
- Insurance cost recovery and allocation
- Construction damage assessments
- Data management
- Spills and releases/source identification and impact definition
- Storm water management/flooding
- Landslides and slope failures
- Foundation failures and structural conditions
- Mine subsidence
- Erosion and sediment control systems
- CERCLA cost recovery

