



Environmental Engineering

In-house responsibilities include all facets of planning, study, design, analysis, and performance evaluation of water and wastewater facilities. Responsibilities for support of environmental remediation activities include water and soil treatment technologies.

Domestic Water Systems

- Supply studies — capacity & source
- Water treatment plant design
- Distribution system evaluation & analysis
- Computerized network modeling
- Hydraulic transient (Water Hammer) modeling
- Performance testing
- Fire hydrant flow testing
- Hydraulic transient computerized data collection

Wastewater Systems

Studies

- Inflow & infiltration
- Collection system capacity
- Waste characterization
- Treatment technology screening
- Disposal options

Treatment plant design

- Domestic primary & secondary treatment
- Tertiary treatment
- Reuse systems
- Industrial treatment systems
- Constructed wetland systems

Operation & Maintenance

- Preparation of performance criteria for contracted O&M services
- Technical oversight of contracted O&M services
- Treatment plant performance audits
- Troubleshooting/startup assistance
- O&M systems manual preparation

Hazardous, Toxic, & Radioactive Waste Remediation

- Groundwater pump and treat
- Disposal options & reuse
- Soil treatment
- Insitu treatment systems

