

WATER / WASTEWATER DESIGN SERVICES

OUR SOLUTIONS

EN Engineering offers water and wastewater services that support system expansion, system maintenance, regulatory compliance, and advanced environmental safety. Our services include water and wastewater management, design, planning and permitting, land surveys, environmental services, geotechnical engineering, electrical engineering, control systems, and automation.

With decades of operational and project experience, our expert team of engineering professionals assist clients with source development, treatment plants, pump stations, planning and permitting, land surveying, wetland delineation, forest conservation, and geotechnical engineering. We also offer a complete suite of services for optimal operations and maintenance solutions.



Our highly skilled team supports operators' industrial facilities with water, wastewater, and NEPA studies, including corridor assessments, main replacement, and public improvement.

We believe in exceeding expectations and building long-term relationships with our clients. One way we do this is by offering an extensive number of services to help make your job easier, from planning and studies through design, systems integration, construction management, and commissioning, which includes hands-on testing and validation processes.



EN Engineering offers the following services to water and wastewater clients:

Water System Design

- Water system master planning
- Source development
- Treatment plants
- Booster pump stations
- Storage tanks
- Main replacements
- Hydraulic modeling

Wastewater System Design

- Facility plans
- Collection sewers
- Interceptor sewers
- Pump stations
- Force mains
- Treatment plants
- CSO/SSO elimination
- Odor control

Corrosion Engineering for Water and Wastewater

- Corrosion surveys
- Pipe condition assessments
- CP systems design services
- Corrosion monitoring services
- Geospatial services
- Metallurgy and applied mechanics
- Soil and water testing

Land Surveying

- Topographic
- GIS capabilities
- Property acquisition
- ROW development

Controls & Automation

- Complete control system design
- System integration
- PLC, DCS, SCADA, HMI
- Startup, commissioning, and training
- Control panel design and fabrication



Environmental

- Corridor studies
- Impact studies
- Assessment studies
- Wetland delineation
- Forest conservation

Planning and Permit Assistance

- EPA 201 facility plans
- Prepare application packages in coordination with city, county, township and state permits
- Permitting for special entities such as railroad and water crossings
- Water system master plans

Construction Support

- Construction inspection
- Testing and disinfection plans
- Bidding assistance
- Procurement support
- Funding agency compliance assistance
- Prevailing wage law compliance
- Punch list and final close-out
- Start-up assistance
- Operator training
- O&M manuals