

Water/Wastewater Design Services

EN Engineering offers a suite of water and wastewater services that support system expansion, system maintenance, regulatory compliance, and advance environmental safety. Our services include water and wastewater management, design, planning and permitting, land surveys, environmental services, and geotechnical engineering.

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 support industrial facilities with water and wastewater studies and NEPA studies, including corridor assessments, main replacement and public improvement for operating companies.

Our services are delivered by an expert team of professionals who focus on exceeding expectations and building long-term relationships with our clients. EN Engineering can provide the following engineering 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

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

