



Donahue IDEAS, LLC is an Ohio-based civil engineering firm that provides services in planning, research, design, construction administration assistance and asset management for utilities. The firm also has extensive experience in data and information management for treatment facilities and operations.

The company has three offices in Ohio: Columbus, Cincinnati, and Cleveland. The company is certified as a Female Business Enterprise (FBE) with the City of Columbus, a Minority, Women and Small Business Enterprise (MWSBE) with the Northeast Ohio Regional Sewer District (NEORS), a Small Business (SBE) and Female-owned Business (FBE) with Cincinnati MSD, EDGE certified with the State of Ohio, and Small Business (SBE) certified with the Federal government.

- Planning services:
 - wastewater and water treatment system analysis
 - collection system analysis (CCTV, I/I studies)
 - wastewater and water treatment pilot studies
 - wastewater treatment plant modeling
 - collection system modeling
 - storm water planning and design

- Design/Construction Administration services:
 - wastewater and water treatment design review
 - specification preparation, review, and clarification
 - project scheduling
 - submittal review and management
 - startup and commissioning assistance
 - training coordination and scheduling

- Operations Assistance services:
 - operations and maintenance documentation
 - standard operating procedure development and documentation

- Asset Management / Information Management services:
 - work order management system planning and review
 - condition assessments
 - Business Case Evaluations (BCEs)
 - Net Present Value (NPV) analysis
 - Triple Bottom Line (TBL) cost assessments
 - risk analyses / cost of failure analyses
 - database/document management

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PROJECT EXAMPLES

Planning Services

- **High Rate Treatment Study / City of Columbus**
Managed and conducted a three-month pilot study at the Southerly WWTP to evaluate two different technologies, Actiflo and Densadeg, for possible applications of wet weather flow treatment, primary treatment and tertiary treatment.
- **Early Ditch Inflow and Infiltration Study / City of Columbus**
Conducted a study of the sewer system in the Early Ditch area to determine sources of inflow and infiltration (I/I) in the study area (over 520,000 lf). Provided CCTV supervision and data management and assisted in the development and calibration for the continuous simulation project model, as well as the public and private source I/I testing and the resulting alternatives analysis.

Design / Construction Administration Services

- **PPM Specifications Management / City of Columbus**
Updated the Guide Specifications for the Division of Sewerage and Drainage, Treatment Engineering Section, for use on all future construction projects. Managed, coordinated and reviewed all project-specific modifications to the specifications for 10 construction projects at the two wastewater treatment facilities under the Professional Program Management contract. Work included coordination with the respective design professionals and management of 95%, 100%, BID, and CTC sets.
- **Training Coordination and Documentation / City of Columbus**
Provided training coordination for all equipment and systems training conducted as part of 10 construction projects at the two wastewater treatment plants. Coordinated with contractor to schedule training sessions and then attended training sessions and documented training as required to obtain Ohio EPA Contact Hours for attendees.

Operations Assistance

- **PPM Standard Operating Procedures Manual Development / City of Columbus**
Developed standard operating procedures (SOPs) for over 40 major plant processes at the City's two wastewater treatment plants to document current design data, operating practices, alarm and troubleshooting procedures, process monitoring and controls settings to reflect the recent plant upgrades and expansion. Manuals are used by plant staff for training as well as routine reference.

Asset Management / Information Management Services

- **Enterprise Asset Management Program / City of Columbus**
Led the Business Case Evaluation (BCE) initiative, performing economic analysis to justify capital expenditure decisions including lifecycle costs / benefits with monetized financial, social and environmental risks (triple bottom line analysis).