

Wastewater Services for Utilities



The combination of the CCR rules and ELG guidelines are creating a complex situation for many, if not all, utility companies. Many of the facilities will require assistance in implementing the CCR Rules and developing a strategy to deal with changes in the effluent discharge limitations enacted by either ELG rule or by state NPDES permit changes.

Foth's Wastewater Services

Efficient use and treatment of water resources is critical to the financial success of your generation station as well as the health of the communities and customers in which your generation stations operate and serve. Foth's expert staff of scientists, engineers and technical specialists assist utilities with strategic planning through design and implementation of cost-effective wastewater compliance and engineering solutions. When new or upgraded facilities are required, Foth can provide construction support through turnkey services as needed to fit your specific needs.

Compliance Services

Permitting for new, existing and expanding generation stations is challenging, and water management and the environment are critical considerations. Foth has the knowledge and experience to

advance a project through the various permitting stages in an integrated manner. We identify potential regulatory risks and negotiate permit conditions to reduce costs and increase operational flexibility.

Engineering Services

Foth understands that there is a variety of circumstances, including production expansions, aging equipment and new and/or amendment to regulations, which drive the need to improve the performance or increase the capacity of your wastewater treatment system. Foth also understands that wastewater treatment costs affect your bottom line. Our integrated teams of compliance specialists and engineers will interpret the regulations and requirements for your facility and implement appropriately scaled wastewater treatment systems, designed to achieve regulatory compliance and provide savings for your facilities.



Wastewater Characterization and Treatability

Foth recognizes that each generation station and operating units are unique, creating unique wastewater characteristics and treatment requirements. Our engineers follow a deliberate, thoughtful and proven process. We listen, identifying the source and characteristics of the wastewater, and understand how operations contribute to wastewater generation.

Process Analysis and Troubleshooting

Foth's process engineers and operations specialists can assess the condition, capacity and operating efficiencies of existing wastewater treatment systems. We can provide operator training, update operations manuals and develop monitoring control strategies to improve performance and reduce operational costs. We have identified operational improvements to



bring systems into compliance, reduce operational costs, and in some cases, avoid costly equipment upgrades.

Foth's toolbox includes the latest modeling software and analysis tools that allow our process engineers to evaluate a number of treatment technologies and "what if" scenarios, and identify the most cost effective short and long-term solutions to achieve your facility's wastewater treatment needs. These same tools are

also used to evaluate and optimize the performance and development of wastewater treatment for generation stations.

For more information, contact:

Greg Vierkant at
(417) 836-3619 or at
Gregory.Vierkant@Foth.com

Craig Gocker at
(309) 683-1682 or at
Craig.Gocker@Foth.com