



FCT Water Treatment



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FCT Water Treatment Improves Operational Efficiency for Electric Utilities

The electric utility industry is facing challenging and exciting times. New generation platforms, deregulation, and tighter air and water regulations all demand close attention from chemists, engineers and plant managers.

As a specialty chemical company with extensive experience in power plant chemistry and chemistry systems, FCT Water Treatment manufactures and distributes a full range of water treatment chemicals and provides onsite technical support, professional consulting services, analytical services, instrument/sample panel packages, and remote monitoring/control over chemistry systems to help you maintain compliance and optimize your operations. Our goal is to provide our customers with chemical treatment programs and technical resources to eliminate unscheduled downtime and reduce maintenance costs.

Specialty chemical products are manufactured at our Colorado facility:

- External pre-treatment products
 - Reverse osmosis scale inhibitors, biocides, membrane cleaners
- Boiler treatment chemicals and control programs:
 - High purity aqueous ammonia, hydrazine, hydrazine alternatives and amine solutions
- Cooling-water, closed loop, once-through, and chilled-water system chemical and maintenance programs. We rely on formulations that are proven technologies applied at safe and environmentally sound levels to control:
 - Bio-fouling
 - Scaling and Deposition
 - Corrosion

FCT Water Treatment provides technical solutions for all aspects of industrial water treatment: cooling water, boiler water/steam cycle chemistry, pre-treatment, waste treatment, off-line/on-line equipment internal cleaning, scrubber chemistries, permit analytical requirements training and fugitive dust suppression. We work to optimize the design, treatment and monitoring of the water/steam chemistry programs and develop and implement strategies to minimize unscheduled outages.





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FCT Water Treatment Operational Efficiency for Electric Utilities continued...

- Water treatment program design, implementation and oversight:
 - Internal boiler chemistry
 - Steam cycle problem solving and steam purity studies
 - Cooling water treatment programs
 - Design of online analytical systems and chemical feed systems
 - Scrubber chemistry
- Water treatment specifications
 - Plant water utility design
 - Equipment Design Survey and Evaluation
- Optimization and upgrades of plant utility systems
 - Design and modification specifications
 - Strategies for reclaimed water utilization
 - Solids handling techniques
 - Environmental compliance
 - Water re-use strategies
- Internal equipment inspections
 - Failure analyses and outage extension strategies
- Training Programs
 - Operator water treatment control
 - Advanced water chemistry
 - Safety and Chemical Handling
- Oversight of Internal equipment cleaning
- Online/offline chemical and mechanical cleaning of heat exchange equipment
- Analytical and Metallurgical Services

