



evoqua
WATER TECHNOLOGIES



ASH POND CLOSURE WATER TREATMENT CAPABILITIES

COUNT ON EVOQUA TO HELP YOU MEET CCR REGULATIONS:

- **COMPREHENSIVE SOLUTIONS**
- **EXTENSIVE EXPERIENCE**
- **ADVANCED TECHNOLOGIES**
- **RESPONSIVE SERVICE**



INDUSTRIAL COMAG® SYSTEM
FOR ENHANCED WASTEWATER TREATMENT

EVOQUA HAS WHAT YOU NEED FOR FAST, EFFICIENT ASH BASIN WASTEWATER TREATMENT

New federal regulations for coal combustion residuals (CCR) that prohibit further storage of CCR waste in surface impoundments are encouraging producers who are closing or repowering their plants to treat, dewater and close their ponds as soon as possible.

Evoqua has the experience, technology and service needed to meet your environmental and business goals when dewatering and decommissioning coal ash ponds. Our well-known experience in designing, building and operating water and wastewater treatment systems for coal fired power plants is complemented by a proven track record in supporting coal ash basin projects.

From rapid response mobile equipment for emergency treatment to turnkey systems for on-site processing, Evoqua offers a complete range of equipment and services for treating and monitoring wastewater and testing of treated water quality prior to discharge. We can deploy all of these technologies as configured, tailored or completely customized systems to meet specific application requirements.



MOBILE COMAG TRAILER FOR TEMPORARY APPLICATIONS

Advanced Evoqua Technology – CoMag® System and Pironox® System

Key to the Evoqua advantage are proprietary technologies that add speed and flexibility to CCR wastewater treatment.

Faster clarification with Evoqua’s unique CoMag system

Evoqua’s unique CoMag® system for enhanced ballasted flocculation dramatically increases clarification performance by treating more influent in less time and less space than conventional technologies. The CoMag system uses magnetite to settle chemical floc up to 30 times faster than conventional treatments. This technological advantage allows for the ability to meet the discharge limits for TSS, aluminum, arsenic and other metals in a compact solution that can be set up either for long term use or as a temporary solution.

Non-biological metals removal with Pironox system

The Pironox® Advanced Reactive Media system, the industry’s leading non-biological metals treatment, removes selenium, mercury, arsenic, aluminum, chromium, vanadium, copper, lead, molybdenum, nickel, zinc, thallium and other trace metals for NPDES or POTW discharge compliance.

Unlike biological processes for metal treatment, our Pironox system can remove contaminants at a wide range of pH levels and temperatures. It is a robust, highly controllable process that integrates well with our pre-treatment processes.

PIRONOX ADVANCED REACTIVE MEDIA SYSTEM



Comprehensive Evoqua Solutions

Equalization/clarification: Our advanced CoMag ballasted flocculation system can result in a 75% smaller footprint than conventional technology.

Ultrafiltration: Our MEMCOR® product line represents 30 years of innovation in membrane technology.

Media filtration: Our Vantage® series carbon and multimedia filters reduce organics and other particulates.

Reverse osmosis systems: Our Vantage series reverse osmosis systems reduce dissolved minerals.

Polishing systems: We have a wide range of options for removing metals and fine particulates at every stage.

Sludge tanks/filter presses: We are the OEM for JWI®, USFilter® and Perrin filter press brands.

Monitoring instrumentation: Our systems can be engineered with both on-site and remote monitoring capabilities.

All of the above can be provided as emergency, temporary or long-term solutions.



EVOQUA SERVICE: FAST RESPONSE AND FULL SUPPORT THROUGHOUT NORTH AMERICA

With more than 80 years of experience serving the power market, our knowledge of the industry and its regulatory environment is second to none. Our full support portfolio includes engineering, installation, startup, technical training, operation, monitoring and maintenance services for the entire lifecycle of your project.

Trained technicians within a two-hour drive

We are the service leader in this industry, with trained technicians and representatives located in more than 80 offices throughout North America, at least one of which is within a two-hour drive of your site.

We operate a large fleet of mobile assets that can be deployed quickly, with a variety of purchase and rental options to meet your business needs. Our safety culture builds on your own priorities, providing best practices and metrics that assure not just safety, but quality, compliance and solid deadline performance as well.

Count on Evoqua

As the regulatory environment develops and evolves, and as impoundments face increased scrutiny, count on Evoqua for the service, solutions and knowhow to help your business move quickly forward.



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