



Current Operations & Legacy Site

Closure and Remediation



BLACK & VEATCH



Mine site closure and remediation presents a variety of risks and a wide range of environmental challenges. Black & Veatch works with clients to manage these risks and solve these challenges through our more than 50 years of experience and relationships with Federal and state regulators.

Proven Results

Black & Veatch is committed to assisting mining and energy resource companies in managing all aspects of their environmental program.

Brewer Gold Mine

The Brewer Gold Mine, located near Jefferson, South Carolina, operated intermittently between 1828 and 1995. The site was abandoned in 1999 and the U.S. Environmental Protection Agency (EPA) took over site water treatment operations to contain acid rock drainage that could harm Little Fork Creek and the Lynches River. In 2005, the EPA placed the site on the Superfund program's National Priorities List (NPL) and selected Black & Veatch to perform remedial investigations and feasibility studies to protect surface water. Black & Veatch reviewed and streamlined operating procedures for the existing water treatment plant that reduced costs without decreasing operating efficiency.

Copper Basin Mining District

The Copper Basin Mining District, located in southeastern Tennessee, is an approximately 50-square mile area located near the Ocoee River and includes parts of the North Potato Creek and Davis Mill Creek watersheds. Mining activities ceased in the 1980s and chemical production

ended in 2000. In 2004, the EPA selected Black & Veatch to perform an assessment of water contaminants and develop engineering Best Management Practices to maintain a water cover over acid-generating reservoir sediment. This program has resulted in cleaner wetlands and remediation of environmental and human health hazards. The Ocoee River, a major recreational resource, will soon be de-listed as an impaired water of the state.

Oronogo-Duenweg Mine Tailings

Former mining and smelting operations in southwest Missouri contaminated soil and groundwater with lead, zinc and cadmium across 10,000 acres. Black & Veatch provided the EPA with remedial design work that involved stream restoration design, flood mitigation and design of wetlands. These remedial actions have enabled brownfield redevelopment of the site and established self-maintaining, sustainable grassland and wetland habitats.

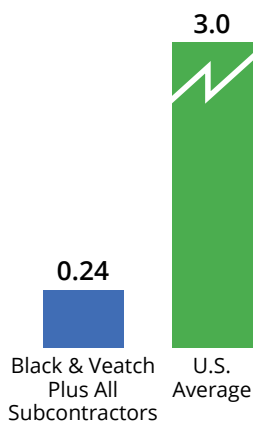


Black & Veatch has demonstrated a technical level of competence that makes them a leader in their field and provides work products that typically meet or exceed scope.

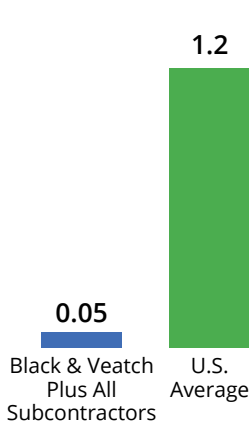
EPA Contracting Officer, CPAR 2015

Safety Record

2019 Global Operation
Recordable Incident Rate



2019 Global Operation
Lost Time Incident Rate



**Inquiries per 100 workers. Black & Veatch safety performance results as of December 31, 2019. U.S. industry average results based on 2018 data.*

We Offer a Broad Range of Environmental Mining Services, Including:

- Acid Mine Drainage Mitigation
- Environmental Assessment and Compliance
- NEPA Coordination & Documentation
- Operations and Maintenance
- Remedial Design
- Risk Assessment
- Storm Water Management Design
- Treatability Studies
- Wetlands Mitigation and Restoration
- Mitigation of Contaminated Groundwater Plumes

