



KU E.W. Brown

CCR Process Water Systems

Total Contract: \$16,000,000
Project Schedule: 2018-2019



Resourceful.



Responsive.



Results.



HARRODSBURG
KENTUCKY



KU E.W. Brown Station

CCR Process Water Systems / Harrodsburg, KY
Project Size: \$16,000,000 / Project Schedule: 2018-2019

This physical/chemical treatment plant will help Kentucky Utilities achieve compliance with EPA CCR regulations. Bowen partnered with GAI as a subcontracted engineering partner and completed the project with Design-Build delivery.

Project Challenges

- The project is located in an active facility
- Multiple subcontractors working on separate scopes in overlapping areas of the project site
- Due to pending tariffs, specialty materials and high demands, the majority of piping and supports had longer than average lead times

Bowen Results

- The project has been completed with zero injuries
- Bowen is scheduled for on-time completion of the project
- During preplanning the Bowen-GAI team redesigned the ABS tank to be erected with concrete vs. steel, providing flexibility of footprint, and both schedule and cost savings to the owner
- Bowen has actively coordinated with site operations and with other contractors working onsite

PROJECT SCOPE

- Civil / Concrete
- Mechanical Piping
- Underground Utilities
- Structural Steel
- Pre-Engineered Building
- Equipment Setting
- Chemical Feed Systems
- EPC / Design-Build

PROJECT SPECS

- ABS Tank
 - 32' High
 - 156' X 63'
 - 1.7 million gallons
 - 3' Thick walls
 - 140 Micropiles
- PWS System
- TDCPR System
- 3 Pre-Engineered Buildings
- 3,500 LF Mechanical Piping
 - FRP
 - Stainless Steel
 - Rubber-lined steel pipe
- 1,547 LF HDPE U/G Piping
- 3,004 CY Concrete
- 55 tons of Structural Steel

PROJECT TEAM

- Bowen Contact: Sam Hill
- Engineering: GAI
- Technology: Suez



RESOURCEFUL. RESPONSIVE. RESULTS.

Rev. 7/2/2019
www.bowenengineering.com