

**Remedy Selection Semi-Annual Progress Report  
Cross Generating Station, Closed Gypsum Pond  
§ 257.97**

**Overview**

The South Carolina Public Service Authority (Santee Cooper) is implementing the April 17, 2015, U.S. Environmental Protection Agency (U.S. EPA) Federal Coal Combustion Residuals (CCR) Rule (40 CFR § 257) for the Closed Gypsum Pond at the Cross Generating Station (CGS), located in Berkeley County, South Carolina.

**Requirement – § 257.97(a)**

The owner or operator must submit a semi-annual report describing the progress in selecting and designing the remedy. The *Assessment of Corrective Measures (ACM)* report for the Closed Gypsum Pond was completed in October 2023 and placed on the public website in November 2023 and placed on the public website. Based on the results of the ACM, Santee Cooper must, as soon as feasible, select a remedy that meets the standards listed in § 257.97(b). A summary of the progress selecting a remedy is provided in the sections below.

**Summary of Actions Completed to Date**

The Closed Gypsum Pond was excavated under a state-approved (South Carolina Department of Health and Environmental Control or SCDHEC) closure plan in 2016, and closure was confirmed complete by SCDHEC in March 2017. Construction of the Effluent Limitation Guidelines Wastewater Treatment System (ELG) at CGS was completed in 2025. The ELG covers portions of the Closed Gypsum Pond footprint and extends to the southwest.

For the fifth semi-annual progress reporting period of November 2025 – May 2026, the following interim measures and activities have been completed to support selecting and designing a remedy for the Closed Gypsum Pond:

- The *Remedy Selection Semi-Annual Progress Report* for the period of May 2025 through November 2025 was prepared and posted to the public website.
- The *2025 Annual Groundwater Monitoring and Corrective Action Report* was prepared and posted to the public website.
- As detailed in the *2025 Annual Groundwater Monitoring and Corrective Action Report*, statistical analysis for the June 2025 monitoring event was completed in accordance with § 257.95(d)(1). The following constituents were observed at statistically significant levels (SSLs) greater than groundwater protection standards (GWPS) in the following assessment monitoring wells:
  - Beryllium – CGYP-3, CGYP-4, and CGYP-5
  - Cobalt – CGYP-1, CGYP-2, CGYP-3, CGYP-4, CGYP-5, and CGYP-7
  - Lead – CGYP-7
  - Lithium – CGYP-4 and CGYP-5
- Baseline sampling of both CGYP-5 and the replacement well for CGYP-6 will continue approximately quarterly until eight (8) independent sampling events are completed.

- Ongoing activities completed to support nature and extent characterization and selection of the most appropriate remedy for the Closed Gypsum Pond are as follows:
  - Recent data was analyzed to confirm Appendix IV constituent SSLs are delineated vertically and horizontally.
  - Continued sampling of the groundwater monitoring network to further develop the Appendix IV constituent database of SSLs.
- The first 2026 semi-annual groundwater monitoring event for the Closed Gypsum Pond occurred in January 2026.
- At the time of this update, the January 2026 statistical analysis for assessment monitoring was ongoing.

### **Planned Activities**

Upcoming tasks related to the Closed Gypsum Pond will include the following:

- Continue semi-annual groundwater monitoring under the assessment monitoring program to further develop the Appendix IV constituent SSL database until groundwater remedial activities are initiated.
- Conduct dissolved-phase analysis for beryllium, cobalt, lead, and lithium, and analyze soil samples collected from additional borings to support the evaluation of attenuation mechanisms related to those constituents.
- Continue evaluating nearby hydrology to refine the understanding of the groundwater and surface water interaction. Additional piezometers will be installed in areas where no groundwater elevation data is currently available.
- Evaluate on-site water treatment system capabilities for use as a potential remedy.
- Plan a public meeting at least 30 days prior to selecting a final remedy to meet the requirements specified in 40 CFR § 257.96(e).
- Prepare the next semi-annual progress report in November 2026, if needed.