

**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 and 261) for the Closed Gypsum Pond at the Cross Generating Station, located in Berkeley County, South Carolina.

Requirement

§257.97(a) The owner or operator must prepare a semi-annual report describing the progress in selecting and designing the remedy. The *Assessment of Corrective Measures (ACM)* report for the Cross Gypsum Pond was placed in the operating record on November 1, 2023. Based on the results of the corrective measures assessment, 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

For the first semi-annual progress reporting period of November 2023 – May 2024, the following interim measures and activities have been completed in selecting and designing a remedy:

- The Gypsum Pond was closed by removal under a state-approved (South Carolina Department of Health and Environmental Control or SCDHEC) closure plan in 2016 and confirmed complete by SCDHEC in March 2017.
- Conducted two additional groundwater sampling events for the nature & extent investigation since the publication of the ACM report in November 2023 and January 2024. Previous nature & extent groundwater sampling events were completed in June and August 2023.
- The first 2024 semi-annual groundwater monitoring event for the Closed Gypsum Pond occurred in January.
- Completed a statistical analysis of the waste boundary wells for the January 2024 semi-annual sampling event as required by §257.93(g). However, results from the statistical analysis are not yet finalized.
- Additionally, a statistical analysis was performed using data collected in nature and extent wells from four sampling events that occurred from June 2023 through January 2024. However, results from the statistical analysis are not yet finalized.
- Abandoned monitoring well CGYP-6 after the semi-annual sampling event occurred in January 2024 due to construction of a new wastewater treatment system to comply with EPA's Steam Electric Power Effluent Limitations Guidelines (ELG) Rule.
- Completed eight independent baseline sampling events for monitoring well, CGYP-7. Therefore, data for this monitoring well has been added to the semi-annual statistical analysis.

Planned Activities

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

- Continue semi-annual groundwater monitoring under the assessment monitoring program until groundwater remedial activities are initiated.
- Finalize the statistical analyses for both the waste boundary wells and nature & extent wells. Results will be included in the annual groundwater monitoring and corrective action report.
- Install a monitoring well to replace CGYP-6 once construction for the new wastewater treatment system is complete in the area.
- Fully delineate the plume using data collected from nature & extent wells. Should data indicate the plume is not fully delineated, additional monitoring wells may be considered.
- Develop subsurface cross-sections utilizing information collected from well installations and previous geotechnical explorations. This will update and expand the current Conceptual Site Model for the unit allowing for more informed decision making on selecting a 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 2024, if needed.