

CCR Rule Semi-Annual Remedy Selection Progress Report

Possum Point Power Station – Pond E Dumfries, Virginia August 2, 2024

Title 40 Code of Federal Regulations (CFR) Section 257.97(a) of the Coal Combustion Residuals (CCR) Rule requires the owner or operator of a CCR unit that has completed a corrective measures assessment for groundwater to prepare a semi-annual report describing the progress in selecting and designing the remedy. This report constitutes the eighth semi-annual remedy selection progress report for Possum Point Power Station Pond E located in Dumfries, Virginia.

A corrective measures assessment was initiated for Pond E on March 29, 2020, in response to groundwater protection standard exceedances in one or more downgradient groundwater monitoring wells. Pursuant to 40 CFR §257.96, an Assessment of Corrective Measures (ACM) Report was completed and placed in the unit's operating record on August 26, 2020. Based on the results of the corrective measures assessment, Dominion Energy must, as soon as feasible, select a remedy that meets the standards listed in 40 CFR §257.97(b). A summary of the progress selecting a remedy is provided in the selections below.

Summary of Actions Completed to Date

The following interim measures and actions have been completed to date:

- Pond E was closed by removal with an over excavation of an additional six inches, as confirmed by the Virginia Department of Environmental Quality (DEQ) in August 2019;
- Temporary backfilling, grading, and seeding of the Pond E area is completed. Final grading will be incorporated into the adjacent landfill construction;
- The DEQ issued Solid Waste Facility Permit No. 617, which includes requirements for groundwater and surface water monitoring for Pond E. The solid waste permit requires additional monitoring beyond the requirements of the CCR Rule including monitoring of additional constituents in groundwater, additional monitoring wells, and the monitoring of surface water downgradient of the unit. The additional monitoring requirements will further refine the nature and extent of groundwater impacts;
- In April 2020, the DEQ approved Groundwater Protection Standards (GPS) for CCR Rule Appendix IV and additional constituents at Pond E under the solid waste permit. Therefore, semi-annual groundwater monitoring data is now also compared to the DEQ approved GPS. In 2020, concentrations of boron, cobalt, nickel, and zinc were detected at concentrations above GPS;
- In March 2022, completed additional evaluations of groundwater and soil characteristics in an around Pond E to enhance conceptual site model;
- Held a public meeting on November 2, 2022, to discuss the results of the corrective measures assessment; and

- Received comments from DEQ on April 19, 2024, on the Pond E ACM.

Planned Activities

The following activities are planned:

- Monitor grading stabilization. Final grading will be incorporated into the adjacent landfill construction;
- Revise the ACM report to address comments received from DEQ on April 19, 2024;
- Continue to comply with the federal CCR Rule corrective action process for groundwater protection standard exceedances to support closure under 40 CFR 257.102(c);
- Continue to comply with DEQ solid waste corrective action program process for selection of final remedy; and
- The next semi-annual progress report will be completed no later than January 29, 2025.