

CCR Rule Semi-Annual Remedy Selection Progress Report

Chesterfield Power Station – Lower and Upper Ash Ponds Chester, Virginia April 29, 2022

Title 40 Code of Federal Regulations (CFR) Section 257.97(a) of the Coal Combustion Residuals (CCR) Rule requires the owner or operator of an existing 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 sixth semi-annual remedy selection progress report for the Chesterfield Power Station Lower Ash Pond (LAP) and Upper Ash Pond (UAP) located in Chester, Virginia.

Assessments of corrective measures were initiated for the Lower Ash Pond on December 18, 2018, and for the Upper Ash Pond on January 30, 2019, in response to groundwater protection standard exceedances in samples collected from one or more downgradient groundwater monitoring wells. Pursuant to 40 CFR §257.96, the combined Assessment of Corrective Measures (ACM) Report for the Lower and Upper Ash Ponds was completed and placed in the unit's operating record on May 17, 2019. 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:

- Deployment of a geosynthetic rain cover and Wind Defender cover over the entire footprint of the Lower Ash Pond to eliminate fugitive dust, significantly reduce precipitation from infiltrating through the unit, and to prevent the generation of contact stormwater.
- In support of the closure by removal requirement set forth in Code of Virginia § 10.1-1402.03, Dominion Energy has retained engineering firm AECOM as the Engineer of Record to develop and execute plans for the removal of CCR material from both the Lower and Upper Ash Ponds.
- Owner's engineer completed a geotechnical evaluation of the Lower and Upper Ash Ponds to determine extent and characteristics of CCR material to aid in removal sequencing.
- Submitted closure by removal solid waste permit application to the Virginia Department of Environmental Quality (DEQ) for approval which includes a detailed scope of work for removal of CCR materials and a water management plan.
- Awarded a contract to consultant engineers to conduct studies of the geochemical environment and natural recovery capacities of the uppermost aquifer beneath the ponds.
- Excavation contractor selected and mobilized to site. Onsite studies ongoing to support development of workplan and means and methods for material excavation and backfill.

- Beneficiation contractor onsite and completed construction of the CCR management and rail loading building for the transportation of CCR to be reused offsite.
- Construction of Phase II of the Fossil Fuel Combustion Products Management Facility commenced to receive materials from the Lower Ash Pond.

Planned Activities

The following activities are planned:

- Construction of Phases II-IV of the Fossil Fuel Combustion Products Management Facility to continue.
- Movement of CCR from the UAP to the beneficiation building will ramp up to full production based on demand.
- Finalize the LAP dewatering plan for water management during CCR excavation.
- Continue geochemical evaluation of groundwater and soil characteristics around ponds to enhance conceptual site model.
- Complete the next semi-annual progress report no later than October 26, 2022.