

## **CCR Rule Semi-Annual Remedy Selection Progress Report**

### **Chesapeake Energy Center – Bottom Ash Pond (including Historic Pond area) Chesapeake, Virginia May 15, 2023**

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 fifth semi-annual remedy selection progress report for the Chesapeake Energy Center Bottom Ash Pond located in Chesapeake, Virginia.

A corrective measures assessment was initiated for the Bottom Ash Pond on July 2, 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 November 29, 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:

- 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 the Chesapeake Energy Center Bottom Ash Pond (including Historic Pond area).
- Consultant engineers completed aquifer characterization studies and groundwater modeling for anticipated excavation dewatering CCR removal construction activities.
- Consultant engineers have completed site characterization and delineation of CCR material outside of the lined landfill area to support the development of an excavation plan for the site.
- Virginia Department of Environmental Quality (DEQ) issued a minor permit modification to solid waste permit No. 440 on June 28, 2021, that recognizes the Bottom Ash Pond as a regulated solid waste unit along with the existing adjacent industrial landfill. In addition, the permit modification incorporated the EPA CCR Rule into the solid waste permit.
- Received approval from the City of Chesapeake for a Conditional Use Permit (CUP) for the closure of the Bottom Ash Pond and adjacent landfill on December 21, 2022.

- A minor solid waste permit modification was issued by DEQ on January 12, 2023, that approved a Groundwater Monitoring Plan that uses single groundwater monitoring network for both the Bottom Ash Pond and adjacent landfill.

## Planned Activities

The following activities are planned:

- In coordination with owner's engineer, develop a detailed scope of work for the removal of the CCR materials including a water management plan during the ash removal.
- Consulting engineer is developing transportation models and subsequent plans to support the movement of materials offsite and to support the local CUP and solid waste permit modification.
- Work with the Virginia Department of Environmental Quality to outline the solid waste permitting requirements for the CCR removal.
- The next semi-annual progress report will be completed no later than November 11, 2023.