

CCR Rule Groundwater Protection Standard Exceedance Notification

Chesterfield Power Station – Upper Ash Pond Chester, Virginia

The 2021 first semi-annual assessment monitoring groundwater samples were collected from the Chesterfield Power Station Upper Ash Pond's groundwater monitoring network in accordance with the federal Coal Combustion Residuals (CCR) Rule. The analytical results from this sampling event were compared to applicable groundwater protection standards (GWPS) and constituent concentrations above GWPS were identified.

40 CFR §257.95(g) requires the owner or operator of an existing CCR unit that is monitoring groundwater in accordance with the assessment monitoring program and has exceeded a GWPS to prepare a notification identifying the Appendix IV constituents that have exceeded the GWPS. The notification is complete when it is placed in the facility's operating record as required by 40 CFR §257.105(h)(8). The following constituents were detected at levels above the GWPS.

- Arsenic
- Cobalt
- Lithium
- Radium 226 and 228 (combined)

The Commonwealth of Virginia adopted by reference the October 4, 2016 version of the federal CCR rule 40 CFR §257 into 9VAC20-81-800 of the Virginia Solid Waste Management Regulations. Amendments to 40 CFR §257 after October 4, 2016 were not incorporated into 9VAC20-81-800. As a result, health-based GWPSs adopted under the August 29, 2018 amendment to the federal CCR Rule are not applicable to 9VAC20-81-800. Under 9VAC20-81-800, the following additional Appendix IV constituents were detected in one or more downgradient wells above the Virginia CCR Rule GWPS.

- Lead
- Molybdenum