



CCR Rule Groundwater Protection Standard Exceedance Notification

Chesterfield Power Station – Lower Ash Pond Chester, Virginia

Until the last few years, coal had been the primary source of electric generation in Virginia and in the U.S. generally. As we now transition to the cleaner energy sources of the future we will continue to be responsible for managing coal ash to ensure a clean and safe environment for the communities we call home.

This notification provides groundwater sampling results for Chesterfield Lower Ash Pond. There are no impacts to drinking water or public health. Likewise, historical water sampling in the James River and Farrar Gut demonstrate aquatic life as well as recreational activities (swimming, boating, fishing, etc.) continue to be protected.

Dominion Energy takes these results very seriously. Any impact or potential impact to our environment has our full attention. We are committed to doing any clean-up necessary in accordance with all federal and state regulations, but more importantly we are committed to doing what is right.

Groundwater protection standards (GWPS) for the Chesterfield Power Station Lower Ash Pond (Lower Ash Pond) were established in accordance with the federal Coal Combustion Residual (CCR) Rule on September 19, 2018. The CCR rule establishes the requirements for GWPS and measures to be taken to address groundwater conditions at ash impoundments and landfills. Groundwater samples were collected from the Lower Ash Pond's groundwater monitoring network, which consists of sixteen (16) monitoring wells and analyzed for the twenty-one (21) required CCR constituents. The analytical results were then compared to GWPS. The table below summarizes constituents that were detected at a concentration above the CCR Rule GWPS.

The wells in which these constituents were above GWPS are located inside the Chesterfield Power Station property. Groundwater within the property and downgradient of the property is not used as drinking water and as such does not present a risk to drinking water quality.

CCR Rule Groundwater Protection Standard Exceedances

Constituent	GWPS (parts per billion)	Downgradient Monitoring Well(s)	Concentration (parts per billion)
Arsenic	19.8	MW-28	171
Cobalt	7.4	MW-20	146
		MW-21	17.5
		MW-27	10.9
Radium 226 & 228	5	MW-27	5.21

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 Virginia CCR rules (9VAC20-81-800). As a result, health-based GWPSs adopted under the August 29, 2018 Phase 1, Part 1 amendment to the CCR Rule are not applicable to 9VAC20-81-800. As stated above, groundwater within the property and downgradient of the property is not used as drinking water and these concentrations do not represent a risk to human health or the environment for the same reasons as described above.

Virginia CCR Rule Groundwater Protection Standard Exceedances

Constituent	GWPS (parts per billion)	Downgradient Monitoring Well(s)	Concentration (parts per billion)
Arsenic	19.8	MW-28	171
Cobalt	7.4	MW-20	146
		MW-21	17.5
		MW-27	10.9
Molybdenum	10 ⁽¹⁾	MW-28	13.5
Radium 226 & 228	5	MW-27	5.21

⁽¹⁾ = Values represent highest laboratory quantitation limit (QL) for the constituent based on background data. Future QL values are subject to change; however, GWPS cannot be less than the value listed.