

## CCR Rule Groundwater Protection Standard Exceedance Notification

### Yorktown Power Station – Industrial Landfill Yorktown, 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 Yorktown Power Station. There are no impacts to drinking water or public health.**

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 Yorktown Power Station Industrial Landfill (Landfill) were established in accordance with the federal Coal Combustion Residual (CCR) Rule on September 27, 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 Landfill’s groundwater monitoring network, which consists of eleven (11) monitoring wells and analyzed for the twenty-one (21) required CCR constituents. The analytical results were then compared to GWPS. All results were below the GWPS.

#### CCR Rule Groundwater Protection Standard Exceedances

Constituent	GWPS (parts per billion)	Downgradient Monitoring Well(s)	Concentration (parts per billion)
None	--	--	--

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 impoundment rules (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. Even with the application of the more stringent background based Virginia CCR program, only one constituent in one well was detected at a concentration above its Virginia CCR GWPS. 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.

**Virginia CCR Rule Groundwater Protection Standard Exceedances**

<b>Constituent</b>	<b>GWPS (parts per billion)</b>	<b>Downgradient Monitoring Well(s)</b>	<b>Concentration (parts per billion)</b>
Cobalt	4 <sup>(1)</sup>	MW-2	5.38

<sup>(1)</sup> = Value represents 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.

The facility intends to pursue an Alternate Source Demonstration to determine if the GWPS exceedance is a result of an alternate source, error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality.