

Groundwater Monitoring System Certification per 40 CFR §257.91(f) Yorktown Power Station – Industrial Landfill Yorktown, Virginia

EPA's "Disposal of Coal Combustion Residuals from Electric Utilities" Final Rule, 40 CFR §257.91, requires the owner or operator of an existing Coal Combustion Residuals (CCR) unit to install a groundwater monitoring system. The owner of operator must obtain a certification from a qualified professional engineer stating that the groundwater monitoring system has been designed and constructed to meet the requirements of 40 CFR §257.91.

In 2020, Dominion Energy installed nine new groundwater monitoring wells (PC-01 through PC-09) around the perimeter of the landfill following the closure of the Industrial Landfill (the Unit) under Virginia Solid Waste Permit No. 457. The newly installed wells were sampled on a quarterly basis from 2020 through 2022, to collect eight rounds of background monitoring data. To ensure the groundwater monitoring network meets the requirements of 40 CFR §257.91, the monitoring well network is being replaced to include newly installed wells PC-01, PC-02, PC-03, PC-04, PC-06, PC-07, PC-08, and well 11R. Locations of the former compliance network and the revised monitoring network are provided in the attached Site Map (Figure 1). A piezometric surface map from April 2023 is included as Figure 2.

CERTIFICATION

Based on my review of the documentation described in 40 CFR §257.91(e)(1), I hereby certify that the groundwater monitoring system for the CCR unit located at Virginia Electric and Power Company's Yorktown Power Station (Industrial Landfill) in Yorktown, Virginia, has been designed and constructed to meet the requirements of 40 CFR §257.91.

As used herein, the word "certify" shall mean an expression of the Engineer's professional opinion to the best of his or her information, knowledge, and belief, and does not constitute a warranty or guarantee by the Engineer.

WSP USA INC.



Donald Mayer, P.E.

Vice President

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