

**COAL COMBUSTION RESIDUALS RULE  
GROUNDWATER MONITORING SYSTEM CERTIFICATION  
FIRSTENERGY GENERATION, LLC**

**HOLLOW ROCK FACILITY  
JEFFERSON COUNTY, OHIO**

AECOM (“Consultant”) has been retained by FirstEnergy Generation, LLC to provide the certification of the groundwater monitoring system required under 40 Code of Federal Regulations (CFR) § 257.91(f) of the HAZARDOUS AND SOLID WASTE MANAGEMENT SYSTEM; DISPOSAL OF COAL COMBUSTION RESIDUALS FROM ELECTRIC UTILITIES; FINAL RULE, 80 Fed. Reg. 21302 (Apr. 17, 2015) (“CCR Rule”) for the FirstEnergy Hollow Rock Facility (HRF) located in Jefferson County, Ohio. The HRF has been identified as a CCR unit by FirstEnergy Generation, LLC.

**Requirements**

Pursuant to 40 CFR § 257.90(b)(1), by October 17, 2017, the owner or operator of a CCR unit must install a groundwater monitoring system that meets the requirements of 40 CFR § 257.91. The groundwater monitoring system must meet the CCR Rule’s performance standard, which requires the system to consist of a sufficient number of wells, installed at appropriate locations and depths, to yield groundwater samples from the uppermost aquifer that accurately represent the quality of:

- (1) background groundwater that has not been affected by leakage from a CCR unit; and
- (2) groundwater passing the waste boundary of the CCR unit and monitoring all potential contaminant pathways.

The CCR unit identified at the site is an Ohio Environmental Protection Agency permitted coal combustion residual solid waste landfill. The CCR Rule groundwater monitoring requirements are addressed as a single CCR unit system consisting of eleven (11) downgradient monitoring wells. Information regarding the groundwater monitoring system design and construction has been provided to the qualified professional engineer as required by 40 CFR § 257.91(e)(1) and is included in the facility operating record per 40 CFR § 257.91(e)(1).

**Limitations**

The signature of Consultant’s authorized representative on this document represents that to the best of Consultant’s knowledge, information, and belief in the exercise of its professional judgment, it is Consultant’s professional opinion that the aforementioned information is accurate as of the date of such signature. Any opinion or decisions by Consultant are made on the basis of Consultant’s experience, qualifications, and professional judgment and are not to be construed as warranties or guaranties. In addition, opinions relating to environmental, geologic, and geotechnical conditions or other estimates are based on available data, and actual conditions may vary from those encountered at the times and locations where data are obtained, despite the use of due care.

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**CERTIFICATION**

I, John D. Priese, being a Registered Professional Engineer, in accordance with the State of Ohio Professional Engineer's Registration program, possessing the technical knowledge and experience to make the specific technical certifications required under 40 C.F.R Part 257, Subpart D, Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, and being licensed in the state where the CCR unit(s) is located, do hereby certify to the best of my knowledge, information, and belief, that the groundwater monitoring system that is the subject of this certification has been designed and constructed to meet the requirements of 40 CFR § 257.91.

Signature: \_\_\_\_\_

John D. Priese

Date: \_\_\_\_\_

10-17-17

License #: \_\_\_\_\_

E-56977

License Renewal Date: \_\_\_\_\_

12/31/17

