



# Low Volume Waste Settling Ponds Existing Liner Design Evaluation

**Mount Storm Power Station  
Mount Storm, West Virginia**

October 2016

*Prepared For  
Virginia Electric and Power Company*

A blue ink signature of R. Kent Nilsson, written in a cursive style.

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Senior Engineer

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Nakia W. Addison  
Project Manager

*TRC Environmental Corporation | Virginia Electric and Power Company  
Low Volume Waste Settling Ponds Existing Liner Design Evaluation  
Final*

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# Existing Liner Conditions

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Virginia Electric and Power Company manages coal combustion residuals generated at the Mount Storm Power Station in five low volume waste settling ponds (CCR surface impoundments as defined under the USEPA's Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments (federal CCR rule)). TRC has reviewed design drawings for the construction of the ponds to evaluate whether the constructed liner system meets the requirements for existing lined impoundments as required in Title 40 Code of Federal Regulations (CFR) 257.71.

The existing ponds were constructed without a conforming engineered liner system. Consequently the ponds are considered unlined existing surface impoundments and are subject to the requirements of 40 CFR 257.101(a).

# Certification

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I, the undersigned Virginia Professional Engineer, hereby certify that I am familiar with the technical requirements of 40 CFR 257.71. I also certify that it is my professional opinion that, to the best of my knowledge, information, and belief, that this evaluation is accurate and that the existing liner design presented in the design and as-built documents does not meet the technical requirements of 40 CFR 257.71.

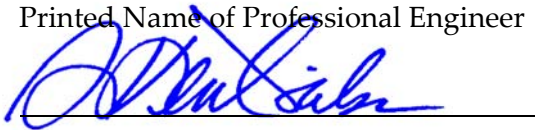
For the purpose of this document, “certify” and “certification” shall be interpreted and construed to be a “statement of professional opinion”. The certification is understood and intended to be an expression of my professional opinion as a Virginia Licensed Professional Engineer, based upon knowledge, information, and belief. The statement(s) of professional opinion are not and shall not be interpreted or construed to be a guarantee or a warranty.

R. Kent Nilsson

21543

Printed Name of Professional Engineer

State of West Virginia License Number



October 3, 2016

Signature of Professional Engineer

Date

