



Post-Closure Care Plan for the Low Volume Waste Settling Ponds

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

October 2016

*Prepared For
Virginia Electric and Power Company*

A handwritten signature in blue ink, appearing to read "R. Nilsson".

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Senior Engineer

A handwritten signature in blue ink, appearing to read "Nakia W. Addison".

Nakia W. Addison
Project Manager

*TRC Environmental Corporation | Virginia Electric and Power Company
Post-Closure Care Plan for Existing Low Volume Waste Settling Ponds
Mt Storm Power Station, Mt. Storm, West Virginia
Final*

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Section 1

Introduction

Virginia Electric and Power Company d/b/a Dominion Virginia Power (Dominion) owns and operates the Mount Storm Power Station (Station). The Station operates five low volume waste settling ponds (LVWSP) (Pyrite Pond and Ponds A, B, C, and D), which meet the definition of coal combustion residual (CCR) surface impoundments under the United States Environmental Protection Agency (USEPA) Disposal of Coal Combustion Residuals From Electric Utilities Final Rule (CCR Rule). This Post-Closure Plan (Plan) was prepared for Dominion by TRC Environmental Corporation (TRC).

1.1 Background

The LVWSPs will be closed in accordance with 40 CFR 257.102(c) through the removal of CCR such that no residual materials remain visible and decontamination of the area by over-excavation of approximately 6-inches of subsoils. Certification of the closure will be provided by a registered professional engineer. Per the Closure Plan, reconstructed Ponds A and B will be built in the footprint of existing Ponds A, B, and C. The Pyrite Pond is being addressed similarly as indicated in the Pond's Retrofit Plan. Pond D will be completely backfilled with structural fill and a vegetative cover installed. This Plan addresses the LVWSPs and meets the Post-Closure Care Requirements of 40 CFR 257.104.

1.2 Site Information

The Station is located in Union District, Grant County, West Virginia. The station is located at approximate latitude 39°12'2"N, longitude 79°15'47"W. The area surrounding the LVWSP is approximately 9 acres with ground surface elevations ranging from 3300 feet North American Vertical Datum 1988 (NAVD88) to 3245 feet NAVD88. The topography is high on the northwest side of the LVWSP sloping down toward Mount Storm Lake to the east and south. The normal water elevation for Mount Storm Lake is approximately 3245 feet NAVD88 with a maximum elevation of 3248.3 feet NAVD88.

Section 2

Post-Closure Activities

2.1 Post-Closure Period

The post-closure care period required under the CCR Rule (40 CFR 257.104(c)) is 30 years; however, if closure is completed by removal of CCR and groundwater monitoring concentrations do not exceed the groundwater protection standards established pursuant to the CCR Rule (40 CFR 257.95(h)), then post-closure care is not required.

2.2 Post-Closure Contact

The post-closure contact for this facility will be:

Paula A. Hamel
Director, Electric Environmental Services
Dominion Resources Services, Inc.
5000 Dominion Boulevard
Glen Allen, VA 23060
804.273.3024
paula.a.hamel@dom.com

2.3 Maintenance Plan

2.3.1 Final Cover Integrity

Closure of the LVWSPs is performed in compliance with 40 CFR 257.102(c) by removal of all CCR material. Therefore, a final cover system is not necessary, and the requirements of 40 CFR 257.104(b)(1) are not applicable. However, the final design and construction of the pond closure will ensure proper run-on and run-off of storm water to prevent settling or erosion.

2.3.2 Leachate Collection System

Closure of the LVWSPs will consist of removing CCR materials and verifying compliance with 40 CFR 257.102(c). Therefore, a leachate collection system is not necessary, and the requirements of 40 CFR 257.104(b)(2) are not applicable.

2.3.3 Groundwater Monitoring System

Groundwater monitoring will continue to be performed in accordance with 40 CFR 257.93 to certify closure of the LVWSP through removal of CCR. Groundwater monitoring will continue until the closure of the LVSWPs is completed and there is a period of two consecutive sampling events of no exceedance of groundwater protection standards.

2.4 Post-Closure Uses

The area encompassed by the ponds will continue to be utilized by the Station for general station operational purposes (*i.e.*, laydown area, storage area, new building construction, etc.) after the ponds are closed.

2.5 Completion of Closure

The LVWSPs are planned to be closed in accordance with 40 CFR 257.102(c), closure by removal of CCR, and therefore post-closure care would not be required by the CCR Rule. Groundwater monitoring will continue to be performed in accordance with 40 CFR 257.93 to verify closure. Groundwater monitoring will continue until the LVWSPs are closed in accordance with 40 CFR 257.102(c), closure by removal of CCR. Dominion may terminate groundwater monitoring after there has been a period of two consecutive sampling events of no exceedance of groundwater protection standards.

Section 3 Certification

I, the undersigned WV Professional Engineer, hereby certify that I am familiar with the technical requirements of 40 CFR 257.104. I also certify that it is my professional opinion that, to the best of my knowledge, information, and belief, that the activities outlined in this post-closure plan are in accordance with current good and accepted engineering practice(s) and standard(s) appropriate to the nature of the project and the technical requirements of 40 CFR 257.104 (d).

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 WV Registered 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 of the post-closure activities.

R. Kent Nilsson

21543

Printed Name of Professional Engineer

State of West Virginia License Number



October 3, 2016

Signature of Professional Engineer

Date

