

ALTERNATE WEEKLY COVER DEMONSTRATION



Solid Waste Management Facility Alternate Weekly Cover (AWC) Form

Type of request: ☒ Alternate Weekly Cover Demonstration ☐ Minor Permit Modification

I. FACILITY INFORMATION

A. Facility Location

Facility Name: Bremo Bluff FFCP Management Facility

Permit No. SWP 627

Location Address: 2134 Bremo Road

B. Facility Contact

Contact Name: Dennis Slade

Contact Title: Manager, Environmental

Contact Phone: (804) 317-7079

Contact E-mail: dennis.a.slade@dominionenergy.com

C. Permitted Waste Types Disposed of at the Facility (check all that apply)

- | | | |
|---|--|--|
| <input type="checkbox"/> Agricultural Waste | <input type="checkbox"/> Debris Waste | <input type="checkbox"/> Municipal Solid Waste |
| <input type="checkbox"/> Animal Carcasses | <input checked="" type="checkbox"/> Demolition Waste | <input type="checkbox"/> Scrap Metal |
| <input type="checkbox"/> Asbestos, friable | <input type="checkbox"/> Fossil Fuel Combustion Products | <input type="checkbox"/> Single Stream Recyclables |
| <input type="checkbox"/> Asbestos, non-friable | <input type="checkbox"/> Household Hazardous Waste | <input checked="" type="checkbox"/> Sludge, industrial |
| <input type="checkbox"/> Ash, non CCB/FFCP | <input type="checkbox"/> Household Waste | <input type="checkbox"/> Sludge, POTW |
| <input checked="" type="checkbox"/> Coal Combustion Residuals (CCR) | <input checked="" type="checkbox"/> Industrial Waste | <input type="checkbox"/> Vegetative Waste |
| <input type="checkbox"/> Commercial Waste | <input type="checkbox"/> Institutional Waste | <input type="checkbox"/> Waste Tires |
| <input type="checkbox"/> Construction Waste | <input type="checkbox"/> Liquid Waste | <input type="checkbox"/> White Goods |
| <input checked="" type="checkbox"/> Contaminated Soil | | |
| <input checked="" type="checkbox"/> Other Wastes, please list: <u>Geosynthetics, CCR contaminated soils, concrete, wastewater treatment solids, sedimentation pond solids, sand bags.</u> | | |

Average quantity of waste disposed of daily: 10,000 to 15,000 ☒ tons ☐ cubic yards

Permitted daily disposal limit: 15,000 ☒ tons ☐ cubic yards

Typical waste disposal schedule: ☒ continuous ☐ intermittent

II. ALTERNATE COVER STRATEGY DESCRIPTION

Select the type of alternate cover requests being made:

☐ Alternate cover material ☐ Alternate cover frequency ☒ Other Site-Specific Strategies

Is the proposed alternate cover strategy described below already being used at the facility? ☐ Yes ☒ No

If yes, then how long has the alternate cover strategy been used at the facility? N/A

A. Cover Material Description

Type of cover material to be used: N/A

Source of cover material to be used: N/A

Depth of cover material to be applied: N/A

Discuss how cover material will be applied: N/A

B. Frequency of Cover Material Application

Frequency of alternate cover application (i.e. weekly, etc.): N/A

Working face size: Average N/A ☐ square yards ☐ square feet

Maximum N/A ☐ square yards ☐ square feet

C. Cover Material Storage Prior to Use

On-site Storage Location: N/A

Storage Method: N/A

Describe run-on and run-off controls for alternate cover storage areas and methods to minimize uncontrolled dispersion of alternate cover from its storage location. N/A

D. Other Site-Specific Strategies

Describe any other site-specific alternate cover strategies employed: See description below.

III. DESCRIPTION OF HOW PROPOSED COVER STRATEGY WILL CONTROL FIRE, ODOR, AND LITTER, MINIMIZE STORMWATER INFILTRATION, AND PREVENT EROSION AND WASTE DISPLACEMENT.

In accordance with §10.1-1402.03 of the Virginia Waste Management Act, the Bremono Station North Ash Pond (existing CCR unit) will complete closure by removing CCR and disposing of it at the Bremono Bluff Fossil Fuel Combustion Products (FFCP) Management Facility. The following site-specific strategy is proposed at the Bremono Bluff FFCP Management Facility, a new captive industrial landfill immediately adjacent to the North Ash Pond, to effectively control fire, odor, and litter; minimize stormwater infiltration; and prevent erosion and waste displacement.

Coal combustion residuals (CCR) generated at the Bremono Station are inert, inorganic, non-putrescible, non-odor producing, and will not react to evolve gases or support combustion. The active working area will be limited to the amount needed to accommodate operations, which is determined to be a maximum of 28 acres based on run rates, speed of operations, and leachate system designs. Intermediate cover composed of soil will be placed in a one-foot lift when wastes are not placed within a 30-day period, in compliance with 9VAC20-81-140.D.1.d. Compaction, grading, synthetic liners, and run-on controls will be constructed and utilized to limit stormwater infiltration. Slopes will be maintained at permitted grades and covered with intermediate soil material and stabilized with vegetation as they are completed. Lastly, in accordance with the CCR Rule, a Fugitive Dust Control Plan that reflects practices and active measures to limit the generation of fugitive dust will be maintained.

IV. RESPONSIBLE OFFICIAL SIGNATURE

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete.

SIGNATURE: _____ DATE: _____

NAME: Robert W. Sauer

TITLE: Vice President, System Operations