2020 ANNUAL
DUST CONTROL REPORT

CCR Unit

Dominion Energy South Carolina
Cope Station
Teamwork Road
Cope, S.C. 29038

December 21, 2020

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LIST OF ACRONYMS

CCR	Coal Combustion Residuals
CFR	Code of Federal Regulations
DESC	Dominion Energy South Carolina
FGD	Flue Gas Desulfurization

SECTION 1
REGULATORY REQUIREMENTS

The CCR Rule requires owners or operators of Coal Combustion Residuals (CCR) facilities to adopt and document "measures that will effectively minimize CCR from becoming airborne at the facility, including CCR fugitive dust originating from CCR units, roads, and other CCR management and material handling activities" (40 CFR 257.80).

A complete, updated copy of the CCR Dust Control Plan (Plan) is maintained in the Facility operating record and on the Dominion Energy publicly accessible internet site in accordance with 40 CFR 257.80(a), 257.105(g), and 257.107(g). SCDHEC is notified when the Plan, or any subsequent amended version, is placed in the Facility Operating Record and on the Dominion Energy internet site, in accordance with 40 CFR 257.106(g).

In accordance with 40 CFR 257.80(c) an Annual Dust Control Report is prepared to document the following information:

- Description of dust control procedures implemented at the Class III Landfill,
- Record of all citizen complaints,
- Description of any corrective actions taken.

The Annual Dust Control Report is completed and placed in the Facility operating record and on the Dominion Energy internet site, as required by 40 CFR 257.80(c), 257.105(g), and 257.107(g), within the specified timeframes. SCDHEC is notified when each Annual Dust Control Report has been placed in the Facility operating record and on the Dominion Energy internet site, in accordance with 40 CFR 257.106(g).

SECTION 2
FACILITY INFORMATION

The Dominion Energy South Carolina (DESC) Cope Station is located in Cope, SC. The Facility is a Coal Fired Electric Generation Plant. The combustion of coal generates fly ash and bottom ash as well as solids from the Flue Gas Desulfurization (FGD) Dry Scrubber process. The majority of the waste material is a combination of fly ash, lime and the FGD Dry Scrubber solids.

As generated it contains moisture and pozzolanic qualities that when placed and compacted results in a hardened material generally not prone to dusting.

This CCR material is collected in onsite silos where it is held until operations require removal. Onsite disposal starts by loading the conditioned material into off road transport trucks at the silo. Water spray fogging may be used as necessary during loading. Bottom ash is collected wet and is managed in a conditioned state during loading and transport to the onsite landfill.

Transport takes place over paved site roads to the onsite DESC Cope Station Class III landfill. The landfill Permit number is LF 3-00028 permitted under SC Regulations R.61-107. "Solid Waste Management". Site roads are routinely managed by water truck wetting, or vacuum truck as necessary.

Landfill transport and placement occurs during daylight hours generally during weekday operation of the landfill. Material is trucked into the landfill site on paved roads to the operating cell. CCR placement is managed at the cell to consolidate active placement in a minimum footprint to allow traffic to be isolated to areas of placement on rolled material. Coarser Bottom ash is reserved in part and used for access routes within the operating cell along with water truck operation during operation to minimize dust. Temporary cover may be placed on inactive areas of the landfill cell as necessary. The CCR material as conditioned when spread and rolled will dry with a hard surface which is not prone to allow dust creation.

- ✓ A Title V permit required "Fugitive Dust Control Plan" is maintained for the balance of plant CCR management and equipment.

SECTION 3

DUST CONTROL PROCEDURES

The following sections discuss dust control procedures for (1) CCR landfill unit, and (2) CCR unit travel roads. Cope Station has implemented these dust control procedures, which are applicable and appropriate for site conditions in accordance with 40 CFR 257.80(b)(1).

3.1 CCR Landfill

CCR is transported from the generating facility to the DESC Cope Station Landfill permitted as a Class III Landfill under SC Regulations R.61-107. "Solid Waste Management" CCR from the generating facility is generated and stored at onsite silos prior to load out at the generating plant. The material is conditioned as held within the silo; misters are employed during loading operation as necessary. Loaded trucks then transport to the landfill over paved site roads.

The following additional dust control procedures are typically implemented for the CCR Landfill.

- Placed material is pushed, spread, and compacted by equipment to maintain slope and grades to minimize erosion and dust.
- Water spray is applied from an onsite water spray tanker truck as necessary during ash placement.
- Travel routes over the active cell are wetted as necessary during operation as well as paved site access roads.
- Coarser bottom ash is reserved in part for surfacing routes within the cell areas as necessary to mitigate dusting.
- During high wind conditions, unloading operations at the working face are halted, and additional dust suppression measures are implemented.

When CCR operations are completed in a given area, as well as prior to any long-term inactivity in a given area, the areas are contoured as needed to reduce the slopes of any exposed CCR. Segregated material such as soil may be used as slope cover as necessary as cell filling progresses. Temporary cover may be placed as necessary over inactive areas.

- ✓ All dust control procedures that have been implemented at the Class III Landfill are performing as expected and are controlling fugitive dust.

3.2 Facility Roads

The following dust control procedures are implemented for roads used for CCR management activities at the Facility, or that are being traveled by equipment employed in CCR management activities.

- Reduced vehicle speeds are observed to reduce transported dust fly away.

- During transportation CCR is conditioned by containing adequate moisture to minimize dust potential.
- Paved site roads used for transport to the CCR Unit are sprayed routinely by water trucks during daily operation.
- Specific paved roads at the Generating Facility will be maintained by a sweeper/vacuum truck as necessary.
- Reduced speeds are observed for vehicles travelling on active Landfill cells.

✓ All dust control procedures that have been implemented on the Facility roads are performing as expected and are controlling fugitive dust.

SECTION 4
RECORDKEEPING AND REPORTING

4.1 Dust Control Plan Inspections

Weekly inspections are performed to monitor dust control procedures and to assist with preparation of this Annual Report. The inspections provide the opportunity to verify that controls are in place and functioning properly. Weekly inspections are also used to identify additional procedures that may be needed to control fugitive dust.

✓ Inspections performed during the past year have not identified any deficiencies.

4.2 Community Involvement

DESC Cope Station through its operating company DESC and parent corporation Dominion Energy has implemented procedures for community involvement, including "logging inquiry involving CCR fugitive dust management at the facility," as required by 40 CFR 257.80 (b)(3). The Dominion Energy publicly accessible internet site provides contact information for the public to contact DESC with questions regarding dust management at CCR Units managed by the Company.

✓ During the past year no inquiries involving dust control at this facility have been made.

4.3 Corrective Measures

At any time deficiencies are observed or complaints have been made regarding fugitive dust as a result of operations at the facility, action must be taken to correct and improve the dust control procedures.

- ✓ No deficiencies were observed over the course of the year that required the need for corrective measures.

4.4 CCR Dust Control Plan Assessment, Updates, and Amendments

Cope Station periodically assesses the effectiveness of the Plan in accordance with 40 CFR 257.80(b). The Plan is reviewed periodically for adherence to the requirements of 40 CFR 257. If more effective prevention and control technology has been field-proven and will significantly improve dust controls, the Plan will be amended to reflect changes. The amended Plan will be implemented within six months of its completion.

Cope Station will also amend the Plan in accordance with 40 CFR 257.80(b) whenever there is a change in conditions that would substantially affect the written Plan in effect, such as the construction and operation of a new CCR unit. The amended Plan will be implemented before or concurrently with the initial receipt of CCR into any new CCR unit(s).

The designated person accountable for dust control at the Facility is responsible for documenting completion of each five-year review, signing a statement as to whether the Plan is amended. Technical changes made to the Plan will be certified by a qualified Professional Engineer as required by 40 CFR 257.80(b). SCDHEC will be notified in accordance with 40 CFR 257.106(g) when the Plan has been amended and placed in the Facility operating record and on the Dominion Energy internet site.

- ✓ No technical changes were made to the CCR Dust Control Plan due to a change in physical operations at the plant or inadequacies associated CCR Unit management.