



October 6, 2023

Mr. Randy Thompson
Industrial Wastewater Permitting
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Subject: Dominion Energy South Carolina, Inc.
NOPP-VIP for FGD Discharges, 2023 Annual Progress Report
DESC-Wateree Station, NPDES Permit No. SC0002038
Eastover, South Carolina, Richland County

Dear Mr. Thompson,

The Dominion Energy South Carolina, Inc. (DESC) Wateree Station is a two-unit, coal-fired electric generating station that is located in Eastover, South Carolina. The station discharges to the Wateree River in accordance with South Carolina's Department of Health and Environmental Control (DHEC) NPDES permit SC0002038. Wateree Station is subject to EPA's Effluent Limitation Guidelines (ELGs) for the steam electric power generating point source category in 40 CFR 423. Revised ELGs under the Steam Electric Reconsideration Rule were published on October 13, 2020, and include requirements for flue gas desulfurization (FGD) discharges. A proposed revision to the ELGs was published by EPA on March 29, 2023. This revision has not yet been finalized, so the previous 2020 ELGs are still applicable .

The purpose of this document is to provide updated information about DESC Wateree's progress in implementing the voluntary incentive plan (VIP) option for FGD wastewater treatment as outlined in the 2020 ELGs. In compliance with 40 CFR 423.13(h)(3), this Annual Progress Report details the steps taken to implement the VIP option since the last update to the original Notice of Planned Participation (NOPP) that was submitted in October 2022.

FGD wastewater characterization sample collection began in July 2022. Additional FGD characterization sampling occurred in 2023 during periods when one or both of the generating units were operating. In addition, optimization of FGD operations is planned for this fall, as well as the creation of an updated mass balance. Wastewater treatment technology feasibility evaluations have begun, and piloting feasible technologies is expected to occur early next year.

An updated, simplified schedule is shown in Table 1. While some dates have changed since 2022 due to changing conditions at the site, the site is on track to comply with its FGD permit requirements no later than December 31, 2028.

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If you have any questions or need additional information, feel free to contact Mark Ferguson at (803) 331-5298 or mark.ferguson@dominionenergy.com.

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

A handwritten signature in blue ink that reads "T. A. Effinger". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Thomas Effinger
Director, Environmental Services

cc: R. Wilson/R. Salley
M. Quattlebaum/M. Hindman/C. Pearson
K. Roller/M. Ferguson/B. Stutts/file

Task Name	Updated Start Date	Updated End Date
Ongoing activities (Engineering contractor selected, project kickoff, compliance strategy)	Complete	
Begin FGD characterization and develop FGD water balance. New: Characterization is continuing since 2-unit operations occurred.	Extended	Extended
Provide FGD characterization data, develop specifications, provide bulk volumes for bench testing w/vendors, obtain pilot approval, conduct pilots. New: Also optimizing FGD operations, reviewing updated information on feasible technologies/vendors. Pilot testing planned for beginning of next year.	-----	4/2024
Complete detailed design	-----	9/30/2024
Submit Request/Obtain Approval to Construct from DHEC (some parallel activities with detailed design); obtain permits	-----	6/1/2024
Construction	7/1/2024	3/31/2026
System startup	4/1/2026	6/30/2026
Develop brine solidification formula (if selected)	6/1/2026	11/30/2028
ELG Applicability date	-----	12/31/2028


Table 1. Wateree FGD VIP Engineering Dependency Chart Update 10-2023



**DESC- Wateree Station
NPDES Permit No. SC0002038 Information
Notice of Planned Participation - Voluntary Incentive Plan
Annual Progress Report**

Dominion Energy Certification Statement:

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. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Approved By: 
(signature)
Richard Salley, Wateree Station Plant Manager

Date: 10/05/2023