

Dominion Energy South Carolina, Inc.
400 Otarre Parkway, Cayce, SC 29033
Mailing Address:
220 Operation Way, MC-C221, Cayce SC 29033



October 12, 2022

Mr. Randy Thompson
SCDHEC-BOW
2600 Bull Street
Columbia, South Carolina 29201

Subject: South Carolina Generating Company, Inc.,
NOPP-VIP for FGD Discharges, 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 No. 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 new requirements for flue gas desulfurization (FGD) discharges.

The purpose of this notification is to provide updated information to DHEC about DESC Wateree's progress 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 original Notice of Planned Participation (NOPP) was submitted.

The date range for FGD characterization sampling in the submitted engineering dependency chart was from October 1, 2021, through April 30, 2022. Unit 2, however, was in extended outage and did not come back into steady state service until May 17, 2022. Because single unit operation is not representative of maximum flow conditions, sampling was deferred until after Unit 2 came back online.

Characterization samples were collected on July 28, 2022. Additional characterization samples are currently planned for collection over the six month period from 10/01/2022 – April 30, 2023. The delay in characterization sampling does not appear to impact the remaining schedule due to elements of the FGD water balance and specifications not being dependent on all analytical results being available.

An updated simplified schedule is shown on the following page.

Figure 1: Updated Conceptual Schedule

Task Name	Original Start Date	Original End Date	Updated Start Date	Updated End Date
Wateree FGD VIP Engineering Dependency Chart Update 10-2022				
Ongoing activities (Engineering contractor selected, project kickoff, compliance strategy)	1/1/2021	10/1/2021	Complete	
Begin FGD characterization and develop FGD water balance	10/1/2021	4/30/2022	7/28/2022	1/28/2023
Provide FGD characterization data, develop specifications, provide bulk volumes for bench testing w/vendors, obtain pilot approval, conduct pilots	5/1/2022	4/30/2023		4/30/2023
Complete detailed design	5/1/2023	9/30/2024	5/1/2023	9/30/2024
Submit Request/Obtain Approval to Construct from DHEC (some parallel activities with detailed design); obtain permits	10/1/2023	6/1/2024	10/1/2023	6/1/2024
Construction	7/1/2024	3/31/2026	7/1/2024	3/31/2026
System startup	4/1/2026	6/30/2026	4/1/2026	6/30/2026
Develop brine solidification formula (if selected)	6/1/2026	11/30/2028	6/1/2026	11/30/2028
ELG Applicability date		12/31/2028		12/31/2028

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.

Mr. Randy Thompson, SCDHEC
October 12, 2022
Page 3 of 3

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

Sincerely,

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

Thomas N. Effinger
Director, Environmental Services

enclosures

CC: R. Butler/R. Salley
M. Quattlebaum/W. Coker/M. Hindman/C. Pearson
K. Roller/B Stutts/M. Ferguson/file