

ROY COOPER

Governor

MICHAEL S. REGAN

Secretary

S. DANIEL SMITH

Director



NORTH CAROLINA  
Environmental Quality

February 7, 2020

Mr. Paul Draovitch, Senior Vice President  
Environmental, Health and Safety  
Duke Energy Carolinas, LLC  
Mail Code EC13K  
P.O. Box 1006  
Charlotte, North Carolina 28201-1006

Subject: Permit Major  
Modification  
Permit NC0004979  
Allen Steam Station  
Gaston County  
Facility Class I

Dear Mr. Draovitch:

We have received your request for a Major Modification to extend compliance schedule for FGD wastewater from 02/28/2020 to 11/01/2020 due to the latest EPA changes to 40 CFR 423. The request has been granted.

Enclosed with this letter is 1 page that includes necessary changes. Please replace the existing permit page with the modified page.

**The permit modification contains the following significant changes from your current permit:**

- Extension of compliance schedule for FGD wastewater from 02/28/2020 to 11/01/2020 due to the latest EPA changes to 40 CFR 423.

No other changes have been made. This permit modification is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the U.S. Environmental Protection Agency.

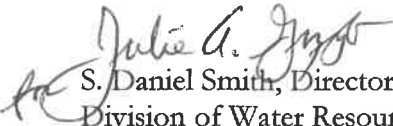
Please take notice that this permit is not transferable. Part II, E.4. addresses the requirements to be followed in case of change in ownership or control of this discharge.



North Carolina Department of Environmental Quality | Division of Water Resources  
512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617  
919.707.9000

If you have any questions or need additional information, please contact Sergei Chernikov, telephone number (919) 707-3606 or email: sergei.chernikov@ncdenr.gov.

Sincerely,

  
S. Daniel Smith, Director  
Division of Water Resources

cc: Central Files  
NPDES Files  
Mooreville Regional Office/Water Quality  
WSS/Aquatic Toxicology Unit (e-copy)  
EPA Region IV (e-copy)

**A. (8.) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Internal Outfall 005)**  
 [15A NCAC 02B .0400 et seq., 02B .0500 et seq.]

During the period beginning on the effective date of this permit and lasting until permit expiration, the Permittee is authorized to discharge from **internal outfall 005- treated FGD wet scrubber wastewater to ash settling basin**. Such discharges shall be limited and monitored<sup>2</sup> by the Permittee as specified below:

EFFLUENT CHARACTERISTICS	LIMITS		MONITORING REQUIREMENTS		
	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Location <sup>1</sup>
Flow, MGD	Monitor & Report		Monthly	Pump logs or similar readings	Effluent
Total Arsenic	8.0 µg/L <sup>4</sup>	11.0 µg/L <sup>4</sup>	Quarterly	Grab	Effluent
Total Mercury <sup>3</sup> , ng/L	356.0 ng/L <sup>4</sup>	788.0 ng/L <sup>4</sup>	Quarterly	Grab	Effluent
Total Selenium	12.0 µg/L <sup>4</sup>	23.0 µg/L <sup>4</sup>	Quarterly	Grab	Effluent
Nitrate/nitrite as N	4.4 mg/L <sup>4</sup>	17.0 mg/L <sup>4</sup>	Quarterly	Grab	Effluent
pH			Monthly	Grab	Effluent

**Footnotes:**

1. "Effluent" shall be defined as the discharge from the FGD wastewater treatment system prior to commingling with other waste streams.
2. The permittee shall submit Discharge Monitoring Reports electronically using NC DWR's eDMR application system. Please See Special Condition A. (26.).
3. The facility shall use method 1631E.
4. In accord with the Steam Electric Effluent Limitations Guidelines for FGD wastewater (40 C.F.R. 423), these limits shall become effective on November 1, 2020. This permit may be reopened and modified if changes are made to 40 C.F.R. 423.

**This permit shall be reopened and modified to reflect any changes in the 40 CFR 423.**

**All flows shall be reported on monthly DMRs. If no flow occurs during a given month, the words "no flow" shall be clearly written on the front of the DMR. All samples shall be of a representative discharge.**

**The facility shall continue to operate the FGD treatment system until all coal-fired units are retired.**

