



Mayo Steam Station  
10660 Boston Road  
Roxboro, NC 27574

April 12, 2021

File Point: 12520

ELECTRONIC SUBMITTAL

Mr. Danny Smith, Director  
North Carolina Division of Water Resources  
Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC

Mayo Steam Station  
EMC SOC WQ S18-005  
1<sup>st</sup> Quarter 2021 - Monitoring Data Results

Dear Mr. Smith,

In accordance with paragraph 2. e. 3) of the NC Environmental Management Commission Special Order by Consent, EMC SOC WQ S18-005, Duke Energy Progress, LLC is hereby submitting the Crutchfield Branch monitoring results for 1<sup>st</sup> quarter of 2021.

If you have any questions, please contact Ms. Lori Tollie (336) 854-4916.

*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 fines and imprisonment for knowing violations.*

Sincerely,

Tom Copolo- Manager  
Mayo Electric Generating Plant

Duke Energy Carolinas, LLC - Mayo Steam Station  
 Special Order by Consent - SOC No. S18-005  
 Monitoring Report for 1st Quarter of 2021

SAMPLING LOCATION	Date Sampled	TSS*	Oil and Grease*	pH	Fluoride	Mercury	Barium	Zinc	Arsenic	Boron	Cadmium	Chromium	Copper	Thallium	Lead	Nickel	Selenium	Nitrate/Nitrite as N	Bromides	Sulfates	Chlorides	TDS	Total Hardness	Temperature	Conductivity	
		-	-	-	-	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	-	-	-	-	-	Total	-	-	
		mg/L	mg/L	SU	ug/L	ng/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	umho/cm
Instream Crutchfield Branch	2/26/2021	3.4	< 5.0	7.6	< 100	** 1.78	36	7.13	< 1	511	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.04	0.2	25	19	131	63.8	8	195	

\*Annual Monitoring Only  
 \*\*Duplicate was gathered at this location and the respective values averaged



Certified Mail

4/12/2021

7019 2280 0001 2383 9551

2 copies to Mr. Danny Smith

1 electronic copy to [desocdata@ncdenr.gov](mailto:desocdata@ncdenr.gov)