



Roxboro Steam Station  
1700 Dunnaway Road  
Semora, NC 27343

File: 12520 R1

March 29, 2021

**ELECTRONIC SUBMITTAL**

Mr. Danny Smith, Director  
North Carolina Division of Water Resources  
1611 Mail Service Center  
Raleigh, NC 27699-1611

Address: [desocdata@ncdenr.gov](mailto:desocdata@ncdenr.gov)

Subject: Duke Energy Progress, LLC  
Roxboro 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 monitoring results for the 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,

A handwritten signature in blue ink, appearing to read 'Tom Copolo', written over a light blue circular stamp.

Tom Copolo  
General Manager III  
Roxboro Steam Station

Duke Energy Carolinas, LLC - Roxboro Steam Station  
 Special Order by Consent - SOC No. 518-005  
 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
		mg/L	mg/L	SU	ug/L	Total ng/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	Total mg/L	°C
S-18	3/5/2021	6.2	< 5	7.7	< 1000	1.32	39	< 5	< 1	431	< 0.1	< 1	1.2	< 0.2	< 0.2	1.97	< 1	< 0.01	< 1	230	7.1	489	303	16	652
S-20	3/5/2021	16	< 5	6.7	< 500	** 2.12	54	< 5	< 1	297	< 0.1	< 1	1.03	< 0.2	< 0.2	< 1	< 1	0.05	< 0.5	150	12	346	206	11	477
Instream UT Hyco Lake S-13	3/5/2021	< 2.5	< 5	7.7	< 200	Not Sampled	30	< 5	1.22	419	< 0.1	< 1	1.65	< 0.2	< 0.2	< 1	< 1	0.01	< 0.2	61	6.4	169	101	11	248

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

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		mg/L	mg/L	SU	ug/L	Total mg/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	Total ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	umho/cm
Instream UT Hyco Lake S-13	3/15/2021	< 25	< 5.0	6.9	< 200	1.63	42	< 5	< 1	598	< 0.1	< 1	1.38	< 0.2	< 0.2	< 1	< 1	0.03	0.27	95	9.1	215	154	9	380	

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