



Mayo Steam Station
10660 Boston Road
Roxboro, NC 27574

November 22, 2019

ELECTRONIC SUBMITTAL
Ms. Linda Culpepper, Interim Director
North Carolina Division of Water Resources

Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC
Mayo Steam Station
EMC SOC WQ S18-005
4th Quarter 2019 - Monitoring Data Results

Dear Ms. Culpepper:

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 4th quarter of 2019.

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 - Mayd Stream Station
 Special Order by Consent - SOC No. 518-005
 Monitoring Report for 4th Quarter of 2019

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 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	Total mg/L	°C	umho/cm
Instream Crutchfield Branch	10/15/2019	-	-	7.3	< 100	0.987 **	30	< 5	< 1	1330	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.04	0.47	27	44	202	103	13	317	

**Duplicate was gathered at this location and the respective values averaged

*Annual Monitoring Only

Certified Mail

1125 119

7615 0640 0007 5184 4765

2^{Receipts} to Ms. Linda Calpepper

1 electronic copy to desocdata@ndnr.gov