



Rogers Energy Complex  
573 Duke Power Road  
Mooresboro,  
North Carolina 28114

828 657 2000

January 2, 2019

**ELECTRONIC SUBMITTAL**

Ms. Linda Culpepper, Interim Director  
North Carolina Division of Water Resources  
E-mail Address: desocdata@ncdenr.gov

**Subject: Duke Energy Carolinas, LLC  
Rogers Energy Complex  
EMC SOC WQ S17-009  
4th Quarter 2018 - 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 S17-009, Duke Energy Carolinas, LLC is hereby submitting the monitoring results for the 4th quarter of 2018.

If you have any questions, please contact Mr. Robert Wylie (704) 382-4669.

*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 that reads "David P. Barnhardt". The signature is fluid and cursive, with a large, stylized initial "A" at the end.

David P Barnhardt  
General Manager II  
Rogers Energy Complex  
Cliffside Steam Station  
Fossil/Hydro Operations - Carolinas Coal Generation

Duke Energy Carolinas, LLC - Rogers Energy Complex  
Special Order by Consent - SOC No. S17-009  
Monitoring Report for 4th Quarter of 2018

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
S-02	10/16/2018			6.8	< 200	0.956	42	< 5	< 1	393	0.104	< 1	< 1	< 0.2	< 0.2	7.9	< 1	0.03	< 0.2	140	4.6	290	231	19	492
S-07	10/16/2018			6.5	< 100	7.51	44	< 5	< 1	117	< 0.1	< 1	< 1	< 0.2	0.247	1.44	< 1	0.08	< 0.1	1.1	12	< 25	23.6	18	62
	11/19/2018	< 5	< 5	7.0																				13	72
Upstream in Broad River	10/16/2018			7.1	< 100	3.64	23	< 5	< 1	< 50	< 0.1	1.37	1.25	< 0.2	1.03	< 1	< 1	0.23	< 0.1	2.5	2	28	12.6	20	43
Downstream Broad River	10/16/2018			7.0	< 100	3.7	24	< 5	< 1	< 50	< 0.1	1.62	1.34	< 0.2	1.17	< 1	< 1	0.24	< 0.1	3.1	3.1	25	15.0	20	48
Upstream in Suck Creek	10/16/2018			6.9	< 100	1.71**	27	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	0.364	< 1	< 1	0.44	< 0.1	2.1	3.8	30	12.7	21	60
Downstream in Suck Creek	10/16/2018			7.4	< 100	1.73	28	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	0.353	< 1	< 1	0.44	< 0.1	4.2	4.4	29	16.1	19	55

\*Annual Monitoring Only

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