



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

828 657 2000

July 23, 2018

ELECTRONIC SUBMITTAL

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

Address: desocdata@ncdenr.gov

Subject: Duke Energy Carolinas, LLC
Rogers Energy Complex
EMC SOC WQ S17-009
2nd 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 2nd 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,

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 2nd 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	5/9/2018	< 5	< 5.0	6.6	< 500	<0.50	33	7.47	< 1.00	402	< 0.100	< 1.00	< 1.00	< 0.200	< 0.200	6.61	< 1.00	0.04	< 0.50	150	4.6	310	235	22.0	480
S-07	no flow																								
Upstream in Broad River	5/9/2018	11	< 5.0	7.1	< 100	1.15	17	< 5.00	< 1.00	< 50	< 0.100	< 1.00	< 1.00	< 0.200	0.325	< 1.00	< 1.00	0.16	< 0.10	1.9	2.0	36	12.9	19.0	70.7
Downstream in Broad River	5/9/2018	8	< 5.0	6.5	< 100	0.997	18	< 5.00	< 1.00	< 50	< 0.100	< 1.00	< 1.00	< 0.200	0.231	< 1.00	< 1.00	0.18	< 0.10	4.4	4.2	28	18.8	22.0	64.0
Upstream in Suck Creek	5/10/2018	6	< 5.0	6.9	< 100	1.20**	25	5.13	< 1.00	< 50	< 0.100	< 1.00	< 1.00	< 0.200	0.317	< 1.00	< 1.00	0.44	< 0.10	1.9	3.6	54	11.9	18.0	69.0
Downstream in Suck Creek	5/9/2018	< 5	< 5.0	7.3	< 100	1.29	23	< 5.00	< 1.00	< 50	< 0.100	< 1.00	< 1.00	< 0.200	0.201	< 1.00	< 1.00	0.41	< 0.10	3.5	4.3	< 25	13.9	19.5	49.0

*Annual Monitoring Only

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