



Allen Steam Station
253 Plant Allen Road
Belmont, NC 28012

November 29, 2018

ELECTRONIC SUBMITTAL

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

Address: desocdata@ncdenr.gov

Subject: Duke Energy Carolinas, LLC
Allen Steam Station
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 Ms. Elizabeth Glenn (980) 373-0530.

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 "Terry W. Tuck".

Terry W. Tuck
General Manager II
Allen Steam Station
Fossil/Hydro Operations - Carolinas Coal Generation

Duke Energy Carolinas, LLC - Allen Steam Station
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	umho/cm
S-02	10/31/2018			7.0	< 100	2.88**	99	< 5	< 1	939	< 0.1	< 1	< 1	< 0.2	< 0.2	1.5	< 1	0.02	0.99	23	47	120	75	17	237	
Upstream Lake Wylie	10/31/2018			7.4	< 100	0.931	13	< 5	< 1	< 50	< 0.1	< 1	1.97	< 0.2	< 0.2	< 1	< 1	0.22	< 0.1	3.3	4.6	29	15.5	19	54	
Downstream Lake Wylie	10/31/2018			7.2	< 100	1.05	14	< 5	< 1	< 50	< 0.1	< 1	1.48	< 0.2	< 0.2	< 1	< 1	0.22	< 0.1	3.3	4.4	< 25	15.6	19	54	

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