



Duke Energy  
Belews Creek Steam Station  
3195 Pine Hall Road  
Belews Creek, NC 27009  
(336) 445-0644 OFFICE  
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October 14, 2020

ELECTRONIC SUBMITTAL  
Mr. Danny Smith, Director  
North Carolina Division of Water Resources

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

Subject: Duke Energy Carolinas, LLC  
Belews Creek Steam Station  
EMC SOC WQ S18-004

Dear Mr. Smith:

In accordance with paragraph 3.e.3) of the NC Environmental Management Commission Special Order of Consent, EMC SOC WQ S18-004, Duke Energy Carolinas, LLC is hereby submitting the monitoring results for the 3rd quarter 2020.

If you have any questions, please contact Ms. Lori Tollie (336) 408-2591.

*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 black ink that reads "Michael Lanning". The signature is written in a cursive style with a large, prominent initial "M".

Michael Lanning  
General Manager III, Regulated Stations  
Belews Creek Steam Station  
Power Generation Carolinas East

Duke Energy Carolinas, LLC - Belews Steam Station  
Special Order by Consent - SOC No. S18-004  
Monitoring Report for 3rd Quarter of 2020

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	-	-	-	-	-	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	9/16/2020	20	< 5	6.7	< 200	0.54	254	< 5	< 1	443	0.121	< 1	< 1	< 0.2	< 0.2	5.96	< 1	0.09	1.4	0.31	94	201	106	17	338	
S-08	9/16/2020	< 2.5	< 5	7	< 100	< 0.5	48	< 5	< 1	90	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	3.73	0.38	< 0.1	8	17	106	28.3	16	130	
S-09	9/16/2020	13	< 5	7.1	< 200	3.34	38	9.4	< 1	788	0.13	< 1	< 1	< 0.2	0.305	1.54	1.04	0.96	0.21	140	9.3	273	137	18	371	
S-10	9/16/2020	6	< 5	6.5	< 500	6.92	229	< 5	< 1	6550	0.602	< 1	< 1	0.265	< 0.2	8.15	< 1	0.16	3.7	26	300	872	401	18	953	
Upstream Dan River	9/16/2020			7	110	1.03	26	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.16	< 0.1	2.7	5.1	80	30.7	20	107	
Downstream Dan River	9/16/2020			7.1	< 100	0.825	19	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.14	< 0.1	2.4	4.3	45	21.2	21	69	

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