



Duke Energy
Belews Creek Steam Station
3195 Pine Hall Road
Belews Creek, NC 27009
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October 23, 2018

ELECTRONIC SUBMITTAL

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

Address: desocdata@ncdenr.gov

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

Dear Ms. Culpepper:

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 2018.

If you have any questions, please contact Ms. Joyce Dishmon (336) 623-0238.

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, appearing to read 'R. Anderson', written over the word 'Sincerely'.

Reginald D. Anderson
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. S17-009
Monitoring Report for 3rd 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
		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	Total mg/L	°C
S-02	8/16/2018	14	< 5	6.3	< 100	1.24	345	9.22	< 1	526	0.33	< 1	< 1	0.269	0.394	12.4	< 1	0.074	1.9	0.4	120	260	130	21.6	415
S-06	8/16/2018	6.2	< 5	6.4	< 500	0.906	54	5.63	< 1	2270	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.286	1.1	29	89	340	180	24	471
S-08	8/16/2018	5.6	< 5	6.2	< 100	0.862	48	5.09	< 1	93	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	4.09	0.387	< 0.1	9.8	16	70	28.9	18	125
S-09	8/16/2018	11	< 5	7.3	< 500	4.57	54	31.6	< 1	1480	0.353	< 1	< 1	< 0.2	< 0.2	3.95	2.36	1.5	< 0.5	270	9	430	255	23	628
S-10	8/16/2018	5.6	< 5	6.2	< 500	24.3	295	6.17	< 1	7800	1.1	< 1	< 1	0.418	< 0.2	12.7	< 1	0.18	4.8	16	380	1000	506	21	1280
Upstream Dan River	9/12/2018	38	< 5	6.9	< 100	1.83	27	< 5	< 1	< 50	< 0.1	1.48	1.37	< 0.2	0.952	< 1	< 1	0.398	< 0.1	3.3	4.2	37	19.2	23	74
Downstream Dan River	9/12/2018	39	< 5	7.2	< 100	2.91	27	< 5	< 1	72	< 0.1	1.25	1.3	< 0.2	0.784	< 1	< 1	0.35	< 0.1	3.1	6	43	24.8	23	84
Instream Unnamed Tributary	8/16/2018	< 5	< 5	6.2	< 1000	13.6	237	8.66	1.14	9330	0.539	< 1	< 1	0.46	< 0.2	10.8	< 1	0.108	4.9	86	380	1100	557	19	1400
Belews Lake Instream S-06	8/16/2018	< 5	< 5	6.4	120	0.838 **	18	< 5	< 1	67	< 0.1	< 1	1.22	< 0.2	< 0.2	< 1	< 1	0.063	< 0.1	7.8	7.1	49	30.3	24	471
Belews Lake Instream S-08 S-09	8/16/2018	< 5	< 5	7.7	120	0.833	18	< 5	< 1	63	< 0.1	< 1	1.39	< 0.2	< 0.2	< 1	< 1	0.046	< 0.1	7.9	7.1	54	29.6	37	129

*Annual Monitoring Only

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