



Duke Energy
Belews Creek Steam Station
3195 Pine Hall Road
Belews Creek, NC 27009
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April 15, 2019

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 1st quarter 2019.

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 'Reginald D. Anderson', written over a white background.

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. S18-004
Monitoring Report for 1st Quarter of 2019

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	3/18/2019	12	< 5	6.3	< 200	1.35	255	7.76	< 1	407	0.284	< 1	< 1	< 0.2	0.223	8.95	< 1	0.05	1.3	0.63	80	140	85.7	12	256
S-06	3/18/2019	7.6		6.4	< 500	1.32	44	< 5	< 1	1410	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.49	0.64	23	54	210	116	12	171
S-08	3/18/2019	< 5	< 5	6.2	< 100	1.2	45	< 5	< 1	69	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	3.14	0.26	< 0.1	7.6	16	89	27	16	118
S-09	3/18/2019	< 5	< 5	7	< 500	4.18	33	8.69	< 1	578	0.116	< 1	< 1	< 0.2	< 0.2	1.2	1.17	0.87	< 0.5	110	8.4	210	106	14	286
S-10	3/19/2019	< 5	< 5	6.2	< 500	18.7	224	5.77	< 1	5760	0.823	< 1	< 1	0.216	< 0.2	8.88	< 1	0.13	3.6	18	280	660	363	7.6	935
Upstream Dan River	3/19/2019	11	< 5	7	< 100	1.99	31	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	0.402	< 1	< 1	0.33	< 0.1	5.7	4.8	110	26.3	7.2	97

*Annual Monitoring Only

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

Duke Energy Carolinas, LLC - Belews Steam Station
 Special Order by Consent - SOC No. S18-004
 Monitoring Report for 1st Quarter of 2019

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
Downstream Dan River	3/19/2019	5.4	< 5	7.1	< 100	1.51	26	< 5	< 1	253	< 0.1	< 1	< 1	< 0.2	0.201	< 1	< 1	0.32	0.12	8.3	12	100	35.1	8.2	115
Instream Unnamed Tributary	3/18/2019	< 5	< 5	6.2	< 500	12.3	186	7.35	< 1	6870	0.412	< 1	< 1	0.362	< 0.2	8.38	< 1	0.13	3.7	65	290	650	447	14	970
Belews Lake Instream S-06	3/18/2019	< 5	< 5	7.7	< 100	1.90**	20	< 5	< 1	55	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.26	< 0.1	6.5	5.8	67	24.7	12	178
Belews Lake Instream S-08 S-09	3/18/2019	< 5	< 5	7.5	< 100	2	19	< 5	< 1	52	< 0.1	< 1	1.09	< 0.2	< 0.2	< 1	< 1	0.26	< 0.1	6.6	5.8	73	24.8	19	156
II																									

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