



Duke Energy
Belews Creek Steam Station
3195 Pine Hall Road
Belews Creek, NC 27009
(336) 445-0644 OFFICE
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September 27, 2019

ELECTRONIC SUBMITTAL

Ms. Linda Culpepper
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 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', with a long horizontal flourish extending to the right.

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 3rd 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	8/14/2019			7.2	< 200	0.613	295	6	< 1	537	0.258	< 1	< 1	< 0.2	< 0.2	8.74	< 1	0.07	1.5	0.38	99	258	117	25	403
S-06	8/14/2019			6.9	140	0.561	45	< 5	1.2	1420	< 0.1	1.07	1.04	< 0.2	0.454	< 1	< 1	0.34	0.42	17	41	242	115	24	93.7
S-08	8/14/2019			6.8	< 100	0.76	50	< 5	< 1	95	0.123	< 1	< 1	< 0.2	0.618	< 1	3.92	0.41	< 0.1	8.8	17	136	29.7	20	76.9
S-09	8/14/2019			6.7	< 500	5.39	40	11.7	< 1	882	0.186	< 1	< 1	< 0.2	0.316	1.81	1.06	0.96	< 0.5	150	9.3	269	153	24	95.2
S-10	8/14/2019			6.3	< 500	13.8	255	< 5	< 1	7150	0.75	< 1	< 1	0.371	< 0.2	9.2	< 1	0.17	3.9	19	310	849	426	24	1080
Upstream Dan River	8/14/2019			6.8	120	3.45	34	< 5	< 1	< 50	< 0.1	1.03	1.16	< 0.2	0.841	< 1	< 1	0.28	< 0.1	2.9	5.1	90	31.1	24	11

*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 3rd 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	8/14/2019			6.5	< 100	3.45	29	< 5	< 1	78	< 0.1	1.04	1.03	< 0.2	0.751	< 1	< 1	0.26	< 0.1	3	6.4	103	24.8	24	76
Instream Unnamed Tributary	8/14/2019			6.5	< 500	10.3	209	8.86	< 1	8570	0.429	< 1	< 1	0.406	< 0.2	9.61	< 1	0.15	4.3	86	340	882	575	20	1280
Belews Lake Instream S-06	8/14/2019			8.4	120	< 0.5**	16	< 5	< 1	61	< 0.1	< 1	1.03	< 0.2	< 0.2	< 1	< 1	< 0.01	< 0.1	6.7	6.1	75	24.3	32	87
Belews Lake Instream S-08 S-09	8/14/2019			7.8	110	< 0.5	17	< 5	< 1	59	< 0.1	< 1	1.19	< 0.2	< 0.2	< 1	< 1	0.01	< 0.1	6.7	6.1	64	25.1	38	89

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