



Duke Energy
Belews Creek Steam Station
3195 Pine Hall Road
Belews Creek, NC 27009
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July 26, 2021

ELECTRONIC SUBMITTAL
Mr. Danny Smith, 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 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 2nd quarter 2021.

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,

Michael Lanning
General Manager III, Regulated Stations
RRECC
Belews Creek Steam Station

Duke Energy Carolinas, LLC - Belews Steam Station
Special Order by Consent - SOC No. S18-004
Monitoring Report for 2nd Quarter of 2021

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
Downstream Dan River	5/26/2021			6.4	< 100	1.09	24	< 5	< 1	< 50	< 0.1	< 1	< 2	< 0.2	0.262	< 1	< 1	0.4	< 0.1	2.9	4.9	48	22.2	25	107	
Instream Unnamed Tributary	5/26/2021			6.4	< 500	** 0.794	58	< 5	< 1	2060	< 0.1	< 1	< 2	< 0.2	< 0.2	< 1	< 1	0.16	1.3	14	100	386	152	24	421	
Belews Lake Instream S-06	5/26/2021			6.6	< 100	< 0.5	16	< 5	< 1	< 50	< 0.1	< 1	< 2	< 0.2	< 0.2	< 1	< 1	0.19	< 0.1	5.7	5.1	46	22.9	22	81	
Belews Lake Instream S-08 S-09	5/26/2021			6.8	< 100	< 0.5	17	< 5	< 1	< 50	< 0.1	< 1	< 2	< 0.2	< 0.2	< 1	< 1	0.2	< 0.1	5.7	5.1	64	23.4	32	83	

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

Duke Energy Carolinas, LLC - Belews Steam Station
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		-	-	-	-	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	5/26/2021			6.3	< 200	0.926	215	< 5	< 1	372	< 0.1	< 1	< 2	0.212	< 0.2	3.62	< 1	0.084	1.1	0.41	74	225	84.1	18	270
S-06	5/26/2021			6.6	120	0.986	25	< 5	1.15	620	< 0.1	< 1	< 2	< 0.2	0.263	< 1	< 1	0.51	0.12	9.1	19	144	73.4	22	206
S-08	5/26/2021			6.3	< 100	0.635	44	< 5	< 1	73	< 0.1	< 1	< 2	< 0.2	< 0.2	< 1	2.73	0.34	< 0.1	7.1	17	104	28.3	15	119
S-09	5/26/2021			6.4	< 200	3.95	32	7.38	< 1	471	< 0.1	< 1	< 2	< 0.2	0.439	< 1	< 1	0.64	< 0.2	88	8.8	201	89.6	18	275
S-10	5/26/2021			6.2	< 500	12.8	175	< 5	1.76	5160	0.514	< 1	< 2	0.301	0.303	5.66	< 1	0.19	2.8	22	230	745	316	21	847
Upstream Dan River	5/26/2021			6.5	100	1.43	32	< 5	< 1	< 50	< 0.1	< 1	< 2	< 0.2	0.402	< 1	< 1	0.42	< 0.1	3.5	5.4	85	29.6	27	100

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