

Duke Energy Carolinas, LLC - Belews Steam Station
Special Order by Consent - SOC No. S18-004
Monitoring Report for 2nd 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	-	-	
		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	5/8/2020			6.3	< 200	0.892	258	5.54	< 1	487	0.174	< 1	< 1	< 0.2	< 0.2	6.66	< 1	0.13	1.3	0.46	86	246	104	12	306	
S-06	NA			No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
S-08	5/8/2020			6	< 100	< 0.5	47	< 5	< 1	91	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	3.53	0.38	< 0.1	8.1	17	121	29.8	14	120	
S-09	5/8/2020			7	< 500	4.1	32	10.4	< 1	697	0.134	< 1	< 1	< 0.2	< 0.2	1.61	< 1	1.3	< 0.5	120	8.2	278	129	12	322	
S-10	5/8/2020			6.3	< 500	20.7	242	5.35	< 1	6970	0.792	< 1	< 1	0.335	< 0.2	10.1	< 1	0.14	3.9	26	310	824	441	13	1030	
Upstream Dan River	5/8/2020			6.8	< 100	2.11	32	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	0.456	< 1	< 1	0.35	< 0.1	4.2	4.3	113	28.2	13	80	

*Annual Monitoring Only

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

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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
Downstream Dan River	5/8/2020			7	< 100	2.12	24	< 5	< 1	64	< 0.1	< 1	< 1	< 0.2	0.394	< 1	< 1	0.38	< 0.1	4	5.4	87	23.4	13	68
Instream Unnamed Tributary	5/8/2020			6.5	< 500	11	180	8.26	< 1	7830	0.419	< 1	< 1	0.39	< 0.2	10.1	< 1	0.25	3.8	83	310	926	512	13	1064
Belews Lake Instream S-06	5/8/2020			7.4	< 100	**< 0.5	17	< 5	< 1	58	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.17	< 0.1	6	5.5	81	25.3	18	79
Belews Lake Instream S-08 S-09	5/8/2020			7.3	< 100	< 0.5	17	< 5	< 1	53	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.21	< 0.1	6.1	5.5	89	25	18	79

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