

Duke Energy Carolinas, LLC - Belews Steam Station
Special Order by Consent - SOC No. S18-004
Monitoring Report for 2nd 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	5/22/2019			6.3	< 200	< 0.5	289	6.44	< 1	511	0.268	< 1	< 1	< 0.2	< 0.2	8.57	< 1	0.09	1.5	0.41	93	240	106	16	330
S-06	5/22/2019			6.6	120	0.608	43	< 5	< 1	1560	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.43	0.53	20	48	230	122	19	328
S-08	5/22/2019			6.3	< 100	< 0.5	46	< 5	< 1	71	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	2.58	0.35	< 0.1	7.3	16	120	27.6	16	130
S-09	5/22/2019			6.5	< 500	8.3	41	16.1	< 1	663	0.27	< 1	< 1	< 0.2	0.866	2.26	< 1	0.84	< 0.5	110	9	250	120	17	330
S-10	5/22/2019			5.9	< 500	19.1	229	5.15	< 1	6050	0.774	< 1	< 1	0.282	< 0.2	9.52	< 1	0.17	3.7	16	290	820	370	17	987
Upstream Dan River	5/22/2019			7.5	110	1.26	28	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	0.283	< 1	< 1	0.42	< 0.1	3.6	5.3	82	25.5	20	96

*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	5/22/2019			7.2	< 100	1.08	24	6.6	< 1	82	< 0.1	< 1	< 1	< 0.2	0.277	< 1	< 1	0.41	< 0.1	3.9	7.2	94	25.3	21	83
Instream Unnamed Tributary	5/22/2019			6.4	< 500	15.1	206	8.23	< 1	8140	0.415	< 1	< 1	0.4	< 0.2	9.16	< 1	0.14	4.4	80	340	1000	544	16	1260
Belews Lake Instream S-06	5/22/2019			7.6	< 100	< 0.5 **	19	< 5	< 1	53	< 0.1	< 1	1.12	< 0.2	< 0.2	< 1	< 1	0.28	< 0.1	6.6	5.9	69	24	26	84
Belews Lake Instream S-08 S-09	5/22/2019			7.7	< 100	< 0.5	19	7.98	< 1	50	< 0.1	< 1	1.2	< 0.2	< 0.2	< 1	< 1	0.2	< 0.1	6.7	5.9	63	24.2	31	245

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