



W. H. Weatherspoon Plant  
491 Power Plant Rd  
Lumberton, NC 28358

Mailing Address:  
Kent Tyndall  
L. V. Sutton Energy Complex  
801 Sutton Steam Plant Rd  
Wilmington, NC 28401

o: 910.341-4775

April 1, 2021

Via email [desocdata@ncdenr.gov](mailto:desocdata@ncdenr.gov)

ELECTRONIC SUBMITTAL

Mr. Danny Smith, Director  
North Carolina Division of Water Resources

Address: [desocdata@ncdenr.gov](mailto:desocdata@ncdenr.gov)

Subject: Duke Energy Progress, LLC  
W.H. Weatherspoon Facility  
EMC SOC WQ S19-006  
1st Quarter 2021 – Monitoring Data Results

Dear Mr. Smith:

In accordance with paragraph 2.c.4 of the NC Environmental Management Commission Special Order By Consent, EMC SOC WQ S19-006, Duke Energy Progress, LLC is hereby submitting the monitoring results for the 1st quarter 2021.

If there are any questions, please contact either:

- Mr. Kent Tyndall, EHS Professional for the W. H. Weatherspoon Plant; phone (910) 341-4775 or e-mail [Kent.Tyndall@duke-energy.com](mailto:Kent.Tyndall@duke-energy.com); or
- Ms. Elizabeth Glenn, Environmental Specialist with our Environmental Permitting and Compliance Group, phone (980) 373-0530 or email [Elizabeth.Glenn@duke-energy.com](mailto:Elizabeth.Glenn@duke-energy.com).

*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,

Jeffrey Flanagan  
General Manager

Duke Energy Carolinas, LLC - Weatherspoon Steam Station  
 Special Order by Consent - SOC No. S19-006  
 Monitoring Report for 1st 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	-	-
		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-05	2/25/2021	2.9	< 5	7.3	< 100	**<0.5	83	< 5	26.4	1050	< 0.1	< 1	< 1	< 0.2	< 0.2	3.97	< 1	0.22	0.28	74	14	282	192	14	459
S-16	2/25/2021	4.5	< 5	7.3	< 100	2.54	35	8.78	1.47	129	< 0.1	< 1	< 1	< 0.2	0.489	1.2	< 1	0.2	< 0.1	20	6.2	82	39	14	114

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