



H.F. Lee Energy Complex
Duke Energy Progress
1199 Black Jack Church Road
Goldsboro, N.C. 27530

April 1, 2020

ELECTRONIC SUBMITTAL
Linda Culpepper, Director
North Carolina Division of Water Resources

Email Address: desocdata@ncdenr.gov

**Subject: First Quarter 2020 SOC Monitoring Results
Special Order by Consent EMC SOC WQ S18-006
Duke Energy Progress, LLC
H.F. Lee Energy Complex
Goldsboro, North Carolina**

Dear Ms. Culpepper,

In accordance with the paragraph 2. c. 4) of the NC Environmental Management Commission Special Order by Consent, EMC SOC WQ S18-006, Duke Energy Progress, LLC is hereby submitting the results of monitoring for the First Quarter of 2020.

If you have any questions or require further information, please contact Mr. Steve Cahoon at 919-546-7457.

"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 fine and imprisonment for knowing violations."

Respectfully submitted,

Jeffery D. Hines
General Manager
H. F. Lee Energy Complex

ecc: Jeffery D. Hines
Sharat Gollamudi
Steve Cahoon
Lorie Tollie

Duke Energy Carolinas, LLC - HF Lee Station
 Special Order by Consent - SOC No. S18-006
 Monitoring Report for 1st 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
S-09	3/12/2020	48	< 5	7.2	320	**4.15	126	< 5	118	1450	< 0.1	< 1	< 1	< 0.2	0.353	< 1	< 1	0.01	0.25	17	12	224	168	21	386
Upstream Neuse River	3/12/2020	14	< 5	7	< 100	3.73	37	< 5	< 1	< 50	< 0.1	1.03	1.6	< 0.2	0.742	< 1	< 1	0.55	< 0.1	8.9	14	85	27.7	15	125
Downstream Neuse River	3/12/2020	25	< 5	7	< 100	3.97	39	6.75	1.24	< 50	< 0.1	1.18	1.79	< 0.2	0.902	< 1	< 1	0.52	< 0.1	8.8	14	87	28.3	17	126
Downstream 2 Neuse River	3/12/2020	16	< 5	7	< 100	3.58	37	< 5	< 1	< 50	< 0.1	1.06	1.58	< 0.2	0.799	< 1	< 1	0.5	< 0.1	8.9	14	73	27.6	15	124
Upstream Half Mile Branch	3/12/2020	3.3	< 5	6.2	< 100	5.87	89	7.83	< 1	< 50	< 0.1	< 1	1.03	< 0.2	0.903	< 1	< 1	1.2	< 0.1	5.2	13	91	24.3	16	91
S-03A	3/12/2020	11	< 5	7.1	160	3.95	175	< 5	79	587	< 0.1	< 1	< 1	< 0.2	0.562	< 1	< 1	0.16	0.13	25	11	185	126	18	299

*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	-	-	-	-	-	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 Half Mile Branch	3/12/2020	5	< 5	6.3	< 100	6.41	87	7.33	1.5	66	< 0.1	1.08	1.41	< 0.2	0.798	1.22	< 1	0.66	< 0.1	8.2	12	96	37	16	118	

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