



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

July 2, 2019

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

Email Address: desocdata@ncdenr.gov

**Subject: Second Quarter 2019 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 **Second Quarter of 2019**.

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 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-03A	5/29/2019			7.2	320	17.2	400	8.32	210	2020	< 0.1	1.48	1.12	< 0.2	1.93	< 1	< 1	0.16	0.32	69	12	490	396	27	627
S-09	5/29/2019			7.8	640	3.91 **	190	< 5	61.4	3330	< 0.1	< 1	< 1	< 0.2	0.251	< 1	< 1	0.28	0.59	47	15	480	384	28	819
Upstream Neuse River	5/29/2019			7.8	140	3.15	31	< 5	< 1	< 50	< 0.1	< 1	1.49	< 0.2	0.363	1.3	< 1	0.6		14	22	110	32.2	28	197
Downstream Neuse River	5/29/2019			7.3	140	3.14	30	< 5	< 1	< 50	< 0.1	< 1	1.47	< 0.2	0.383	1.19	< 1	0.57	< 0.1	14	22	110	31.5	30	197
Downstream 2 Neuse River	5/29/2019			7.2	140	3.38	32	< 5	< 1	< 50	< 0.1	< 1	1.55	< 0.2	0.451	1.29	< 1	0.6	< 0.1	14	22	120	33.2	29	197
Upstream Half Mile Branch	5/29/2019			6.6	120	3.35	261	< 5	19.1	415	< 0.1	< 1	< 1	< 0.2	0.341	< 1	< 1	0.05	< 0.1	15	6.8	210	161	22	363
Downstream Half Mile Branch	5/29/2019			6.7	130	2.04	192	< 5	5.15	572	< 0.1	< 1	< 1	< 0.2	< 0.2	1.18	< 1	0.05	0.13	46	8.9	250	188	23	436

*Annual Monitoring Only

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