



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

September 18, 2019

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

Email Address: desocdata@ncdenr.gov

**Subject: Third 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 Third 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 3rd 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	8/13/2019			7.8	510	0.660 **	356	< 5	45.8	2140	< 0.1	< 1	< 1	< 0.2	< 0.2	< 1	< 1	0.11	0.32	64	12	510	403	29	791
S-09	8/13/2019	No Flow																							
Upstream Neuse River	8/13/2019			7.1	140	2.97	27	< 5	< 1	< 50	< 0.1	< 1	1.66	< 0.2	0.693	1.03	< 1	0.37	< 0.1	11	15	118	27.5	29	136
Downstream Neuse River	8/13/2019			7.3	140	3.56	29	< 5	< 1	< 50	< 0.1	< 1	1.54	< 0.2	0.841	1.1	< 1	0.36	< 0.1	10	15	122	28.7	31	138
Downstream 2 Neuse River	8/13/2019			7.2	140	3.89	30	< 5	< 1	< 50	< 0.1	< 1	1.68	< 0.2	0.957	1.35	< 1	0.36	< 0.1	11	15	135	28.4	30	141
Upstream Half Mile Branch	8/13/2019			6.9	< 100	3.24	128	< 5	< 1	< 50	< 0.1	< 1	< 1	< 0.2	0.472	< 1	< 1	2.6	< 0.1	11	9.6	233	38.9	26	114

*Annual Monitoring Only

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

Duke Energy Carolinas, LLC - HF Lee Station
 Special Order by Consent - SOC No. S18-006
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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	umho/cm
Downstream Half Mile Branch	8/13/2019			6.7	120	0.885	171	< 5	4.23	424	< 0.1	< 1	< 1	< 0.2	< 0.2	1.14	< 1	0.76	0.11	38	10	260	156	24	332	

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