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

July 9, 2021

ELECTRONIC SUBMITTAL
Daniel Smith, Director
North Carolina Division of Water Resources

Email Address: desocdata@ncdenr.gov

Subject: **Second Quarter 2021 SOC Monitoring Results**
Special Order by Consent EMC SOC WQ S18-006
Duke Energy Progress, LLC
H.F. Lee Energy Complex
Goldsboro, North Carolina

Mr. Smith,

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 2021 for the H. F. Lee Energy Complex.

If you have any questions or require further information, please contact Joyce Dishmon at (336) 394-5524, or via email at Joyce.Dishmon@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 fine and imprisonment for knowing violations.*"

Respectfully submitted,

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

ecc: Jeffery D. Hines
Sharat Gollamudi
Joyce Dishmon

Duke Energy Carolinas, LLC - HF Lee Station
Special Order by Consent - SOC No. S18-006
Monitoring Report for 2nd 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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	umho/cm
S-03A	6/23/2021			6.6	110	2.58	53	< 5	7.93	156	< 0.1	< 1	< 2	< 0.2	0.773	< 1	< 1	0.39	< 0.1	11	10	106	46.8	25	173
S-09	6/24/2021			7.5	700	** 1.57	173	< 5	62.5	2780	< 0.1	< 1	< 2	< 0.2	< 0.2	< 1	< 1	0.06	0.43	33	11	421	317	22	665
Upstream Neuse River	6/23/2021			6.8	< 100	6.77	44	10.5	< 1	< 50	< 0.1	2.86	3.87	< 0.2	2.68	< 1	< 1	0.47	< 0.1	7.7	9.8	91	25	26	111
Downstream Neuse River	6/24/2021			6.6	< 100	5.02	39	8.9	< 1	< 50	< 0.1	1.86	2.87	< 0.2	1.98	< 1	< 1	0.45	< 0.1	8	12	106	24.3	24	117
Downstream 2 Neuse River	6/24/2021			6.9	< 100	8.32	40	8.67	< 1	< 50	< 0.1	1.94	2.77	< 0.2	2.05	< 1	< 1	0.45	< 0.1	8	12	91	24.3	24	120
Upstream Half Mile Branch	6/24/2021			6.5	< 100	3.35	144	7.81	< 1	< 50	< 0.1	1.1	< 2	< 0.2	2.28	< 1	< 1	2.7	< 0.1	9	10	85	36.6	19	121

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

Duke Energy Carolinas, LLC - HF Lee Station
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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	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	umho/cm
Downstream Half Mile Branch	6/24/2021			6.7	< 100	3.19	43	< 5	1.07	< 50	< 0.1	1.03	< 2	< 0.2	0.945	< 1	< 1	0.45	< 0.1	8.8	11	105	29.9	20	138

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