



Roxboro Steam Station
1700 Dunnaway Road
Semora, NC 27343

File: 12520 R1

October 3, 2018

ELECTRONIC SUBMITTAL
Ms. Linda Culpepper, Interim Director
North Carolina Division of Water Resources
1611 Mail Service Center
Raleigh, NC 27699-1611

Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC
Roxboro Steam Station
EMC SOC WQ S18-005
3rd Quarter 2018 - Monitoring Data Results

Dear Ms. Culpepper:

In accordance with paragraph 2. e. 3) of the NC Environmental Management Commission Special Order by Consent, EMC SOC WQ S18-005, Duke Energy Progress, LLC is hereby submitting the monitoring results for the 3rd quarter of 2018.

If you have any questions, please contact Ms. Lori Tollie (336) 854-4916.

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,

A handwritten signature in blue ink, appearing to read "Jason Haynes", with a stylized flourish at the end.

Jason Haynes
General Manager III
Roxboro Steam Station

Duke Energy Progress, LLC- Roxboro Steam Station
Special Order by Consent - SOC No. S18-005
Monitoring Report for 3rd Quarter of 2018

| 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-18 | 9/6/2018 | 16 | < 5 | 8.0 | < 1000 | 0.915** | 24 | < 5 | < 1 | 2380 | < 0.1 | < 1 | 1.12 | < 0.2 | < 0.2 | < 1 | < 1 | 0.038 | 1.4 | 550 | 35 | 1000 | 667 | 39 | 1390 |
| Instream UT Hyco Lake S-13 | 9/6/2018 | < 5 | < 5 | 7.6 | 160 | 0.744 | 39 | < 5 | 1.97 | 989 | < 0.1 | < 1 | 1.52 | < 0.2 | < 0.2 | < 1 | < 1 | 0.048 | 0.28 | 82 | 7.8 | 230 | 159 | 29 | 417 |

Duke Energy Carolinas, LLC - Roxboro Steam Station
for 3rd Quarter of 2018

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