November 30, 2020

ELECTRONIC SUBMITTAL
Mr. Danny Smith, Director
North Carolina Division of Water Resources

Address:  desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC
Cape Fear Facility
EMC SOC WQ S19-001

Dear Mr. Smith:

In accordance with paragraph 2.c.4 of the NC Environmental Management Commission Special Order of Consent, EMC SOC WQ S19-001, Duke Energy Progress, LLC is hereby submitting the monitoring results for the 4th quarter 2020.

If you have any questions, please contact Ms. Joyce Dishmon (336) 623-0238.

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,

Issa J. Zarzar
General Manager – East Region
CCP Operations and Maintenance
**Duke Energy Carolinas, LLC - Cape Fear Steam Station**

**Special Order by Consent - SOC No. S19-001**

**Monitoring Report for 4th Quarter of 2020**

<table>
<thead>
<tr>
<th>SAMPLING LOCATION</th>
<th>Date Sampled</th>
<th>TSS*</th>
<th>Oil and Grease*</th>
<th>pH</th>
<th>Fluoride</th>
<th>Mercury</th>
<th>Barium</th>
<th>Zinc</th>
<th>Arsenic</th>
<th>Barium</th>
<th>Cadmium</th>
<th>Chromium</th>
<th>Copper</th>
<th>Thallium</th>
<th>Lead</th>
<th>Nickel</th>
<th>Selenium</th>
<th>Nitrate/Nitrite as N</th>
<th>Bromides</th>
<th>Sulfates</th>
<th>Chlorides</th>
<th>TDS</th>
<th>Total Hardness</th>
<th>Temperature</th>
<th>Conductivity</th>
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<tbody>
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<td>UT Cape Fear River #1</td>
<td>11/4/2020</td>
<td>6.2</td>
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<td>7.16</td>
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<td>11</td>
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<td>13</td>
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</table>

*Annual Monitoring Only

**Duplicate was gathered at this location and the respective values averaged**
**Duke Energy Carolinas, LLC - Cape Fear Steam Station**

**Special Order by Consent - SOC No. S19-001**

Monitoring Report for 4th Quarter of 2020

| SAMPLING LOCATION | Date Sampled  | TSS* | Oil and Grease* | ph | Fluoride | Mercury | Barium | Zinc | Arsenic | Arsenic | Beryllium | Cadmium | Chromium | Copper | Thallium | Lead | Nickel | Selenium | Selenium | Nitrate/Nitrite | Bromides | Sulphates | Chlorides | TDS | Total Hardness | Temperature | Conductivity |
|-------------------|--------------|------|-----------------|----|----------|---------|--------|------|---------|---------|-----------|---------|----------|--------|---------|-------|---------|---------|----------------|-----------|-----------|-----------|-----|-------------|-------------|-------------|
| Downstream Shadbox Creek | 11/4/2020 | 6.9 | 110 | 2.88 | 28 | < 5 | < 1 | < 50 | < 0.1 | 1.24 | 1.7 | < 0.2 | 0.59 | < 1 | 0.39 | 0.14 | 7.2 | 11 | 91 | 34 | 16 | 146 |}

*Annual Monitoring Only

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