March 18, 2019

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

Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC
Roxboro Steam Station
EMC SOC WQ S18-005
1st Quarter 2019 - 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 1st quarter of 2019.

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,

[Signature]

Jason Haynes
General Manager III
Roxboro Steam Station
<table>
<thead>
<tr>
<th>SAMPLING LOCATION</th>
<th>Date Sampled</th>
<th>TS*</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>Boron</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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>mg/l</td>
<td>mg/l</td>
<td></td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>mg/l</td>
<td>°C</td>
<td>°C</td>
</tr>
<tr>
<td>S-18</td>
<td>2/28/2019</td>
<td>&lt; 5</td>
<td>&lt; 5</td>
<td>7.9</td>
<td>&lt; 1000</td>
<td>0.795</td>
<td>27</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
<td>859</td>
<td>&lt; 0.1</td>
<td>&lt; 1</td>
<td>&lt; 0.2</td>
<td>&lt; 0.2</td>
<td>2.22</td>
<td>&lt; 1</td>
<td>&lt; 0.01</td>
<td>490</td>
<td>15</td>
<td>890</td>
<td>614</td>
<td>9</td>
<td>1170</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-20</td>
<td>2/28/2019</td>
<td>&lt; 5</td>
<td>&lt; 5</td>
<td>6.8</td>
<td>&lt; 500</td>
<td>1.60</td>
<td>66</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
<td>341</td>
<td>&lt; 0.1</td>
<td>&lt; 1</td>
<td>&lt; 0.2</td>
<td>&lt; 0.2</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
<td>0.02</td>
<td>170</td>
<td>13</td>
<td>360</td>
<td>240</td>
<td>9</td>
<td>324</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instream UT Hydrolake S-13</td>
<td>2/28/2019</td>
<td>&lt; 5</td>
<td>&lt; 5</td>
<td>8.3</td>
<td>&lt; 100</td>
<td>4.38**</td>
<td>35</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
<td>343</td>
<td>&lt; 0.1</td>
<td>1.02</td>
<td>&lt; 0.2</td>
<td>0.263</td>
<td>&lt; 1</td>
<td>&lt; 1</td>
<td>0.05</td>
<td>47</td>
<td>4.4</td>
<td>140</td>
<td>76.9</td>
<td>11</td>
<td>209</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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