July 23, 2018

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

Address: desocdata@ncdenr.gov

Subject: Duke Energy Carolinas, LLC
Rogers Energy Complex
EMC SOC WQ S17-009
2nd 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 S17-009, Duke Energy Carolinas, LLC is hereby submitting the monitoring results for the 2nd quarter of 2018.

If you have any questions, please contact Mr. Robert Wylie (704) 382-4669.

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]

David P Barnhardt
General Manager II
Rogers Energy Complex
Cliffside Steam Station
Fossil/Hydro Operations - Carolinas Coal Generation
<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>Bezon</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>pH</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/l</td>
<td>ug/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>umhos/cm</td>
<td></td>
</tr>
<tr>
<td>S-02</td>
<td>5/9/2018</td>
<td>&lt; 5</td>
<td>&lt; 5.0</td>
<td>6.6</td>
<td>&lt; 500</td>
<td>&lt; 0.50</td>
<td>33</td>
<td>7.47</td>
<td>&lt; 1.00</td>
<td>402</td>
<td>&lt; 0.100</td>
<td>&lt; 1.00</td>
<td>&lt; 0.200</td>
<td>6.61</td>
<td>&lt; 1.00</td>
<td>0.04</td>
<td>&lt; 0.50</td>
<td>150</td>
<td>4.6</td>
<td>310</td>
<td>235</td>
<td>22.0</td>
<td>480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S-07</td>
<td>no flow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upstream in Broad River</td>
<td>5/9/2018</td>
<td>11</td>
<td>&lt; 5.0</td>
<td>7.1</td>
<td>&lt; 100</td>
<td>1.15</td>
<td>17</td>
<td>15.0</td>
<td>&lt; 1.00</td>
<td>&lt; 0.50</td>
<td>&lt; 0.100</td>
<td>&lt; 1.00</td>
<td>&lt; 0.200</td>
<td>0.325</td>
<td>&lt; 1.00</td>
<td>0.16</td>
<td>&lt; 0.10</td>
<td>1.9</td>
<td>2.0</td>
<td>36</td>
<td>12.9</td>
<td>19.0</td>
<td>70.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downstream in Broad River</td>
<td>5/9/2018</td>
<td>8</td>
<td>&lt; 5.0</td>
<td>6.5</td>
<td>&lt; 100</td>
<td>0.997</td>
<td>18</td>
<td>&lt; 5.0</td>
<td>&lt; 1.00</td>
<td>&lt; 0.50</td>
<td>&lt; 0.100</td>
<td>&lt; 1.00</td>
<td>&lt; 0.200</td>
<td>0.231</td>
<td>&lt; 1.00</td>
<td>0.18</td>
<td>&lt; 0.10</td>
<td>4.4</td>
<td>4.2</td>
<td>28</td>
<td>18.8</td>
<td>22.0</td>
<td>64.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upstream in Suck Creek</td>
<td>5/10/2018</td>
<td>6</td>
<td>&lt; 5.0</td>
<td>6.9</td>
<td>&lt; 100</td>
<td>1.20**</td>
<td>25</td>
<td>5.13</td>
<td>&lt; 1.00</td>
<td>&lt; 0.50</td>
<td>&lt; 0.100</td>
<td>&lt; 1.00</td>
<td>&lt; 0.200</td>
<td>0.317</td>
<td>&lt; 1.00</td>
<td>0.44</td>
<td>&lt; 0.10</td>
<td>1.9</td>
<td>3.6</td>
<td>54</td>
<td>11.9</td>
<td>18.0</td>
<td>69.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Downstream in Suck Creek</td>
<td>5/9/2018</td>
<td>&lt; 5</td>
<td>&lt; 5.0</td>
<td>7.3</td>
<td>&lt; 100</td>
<td>1.29</td>
<td>23</td>
<td>5.00</td>
<td>&lt; 1.00</td>
<td>&lt; 0.50</td>
<td>&lt; 0.100</td>
<td>&lt; 1.00</td>
<td>&lt; 0.200</td>
<td>0.201</td>
<td>&lt; 1.00</td>
<td>0.41</td>
<td>&lt; 0.10</td>
<td>3.5</td>
<td>4.3</td>
<td>&lt; 25</td>
<td>13.9</td>
<td>19.5</td>
<td>49.0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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