April 12, 2021

ELECTRONIC SUBMITTAL
Mr. Danny Smith, Director
North Carolina Division of Water Resources
Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC

Mayo Steam Station
EMC SOC WQ S18-005
1st Quarter 2021 - Monitoring Data Results

Dear Mr. Smith,

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 Crutchfield Branch monitoring results for 1st quarter of 2021.

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]
Tom Copolo - Manager
Mayo Electric Generating Plant
<table>
<thead>
<tr>
<th>SAMPLING LOCATION</th>
<th>Date Sampled</th>
<th>TDS</th>
<th>Chloride</th>
<th>Sodium</th>
<th>Potassium</th>
<th>Total Alkalinity</th>
<th>pH</th>
<th>Calcium</th>
<th>Magnesium</th>
<th>Iron</th>
<th>Copper</th>
<th>Zinc</th>
<th>Arsenic</th>
<th>Aluminum</th>
<th>Boron</th>
<th>Hexavalent Chromium</th>
<th>Selenium</th>
<th>TDS</th>
<th>Total Hardness</th>
<th>Temperature</th>
<th>Conductivity</th>
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</thead>
<tbody>
<tr>
<td>Instream Crutchfield Branch</td>
<td>2/26/2021</td>
<td>3.4</td>
<td>&lt;5.0</td>
<td>7.6</td>
<td>&lt;100</td>
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<td>7.13</td>
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<td>1</td>
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<td>&lt;0.2</td>
<td>&lt;1</td>
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<td>0.2</td>
<td>25</td>
<td>19</td>
<td>131</td>
<td>63.8</td>
<td>8</td>
</tr>
</tbody>
</table>

*Annual Monitoring Only*

**Duplicate was entered at this location and the respective values averaged**
Certified Mail

4/12/2021

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2 copies to Mr. Danny Smith
1 electronic copy to dgpadata@ncdcr.gov