July 21, 2020

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

Address: desocdata@ncdenr.gov

Subject: Duke Energy Progress, LLC
        Mayo Steam Station
        EMC SOC WQ S18-005
        2nd Quarter 2020 - 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 Crutchfield Branch monitoring results for 2nd quarter of 2020.

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>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>
<tr>
<td>Instream Crutchfield Branch</td>
<td>6/5/2020</td>
<td>69</td>
<td>&lt; 100</td>
<td>1.65**</td>
<td>38</td>
<td>&lt; 5</td>
<td>&lt; 1</td>
<td>1070</td>
<td>&lt; 0.1</td>
<td>&lt; 1</td>
<td>&lt; 0.2</td>
<td>&lt; 0.2</td>
<td>&lt; 1</td>
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<td>0.4</td>
<td>26</td>
<td>33</td>
<td>174</td>
<td>98.3</td>
<td>21</td>
<td>307</td>
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</tr>
</tbody>
</table>

*Annual Monitoring Only

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

7/27/2020

7016 06008 0000 8957 8548

2 copies to Ms. Linda Culpepper
1 email copy to desocdata@nrdcnr.gov