COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION  )
INTO THE MEASURING,  )
RECORDING, AND REPORTING OF  ) CASE NO.2018-00394
OF WATER LOSS BY KENTUCKY’S  )
JURISDICTIONAL WATER  )

CERTIFICATION OF RESPONSE OF NORTH MERCER WATER DISTRICT TO COMMISSIONER’S REQUEST FOR INFORMATION

This is to certify that I have supervised the preparation of

North Mercer Water District’s Response to the Commission’s Request for Information. The response submitted on behalf of North Mercer Water District is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: ____________

________________________________________
Mischell Lee, Manager
North Mercer Water District
NORTH MERCER WATER DISTRICT

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 1

Responding Witness: MISCHELL LEE

Q-1. Explain in detail the manner in which you measure, calculate, and track water loss, and:

a. Identify whether you use any manual form (including Excel spreadsheet) or electronic or mechanized system to calculate and track water loss.

b. Provide a copy of any form used (including Excel spreadsheet).

c. Identify the source of any form or system used.

A-1. North Mercer Water District (NMWD) uses the excel spreadsheet provided by the Public Service Commission to calculate water loss. Our billing software provides a monthly consumption report that breaks down our residential, commercial, tax exempt, and multi-dwelling sales. Our Field Supervisor keeps a monthly log of flushing, and other water used by the District. A log of all breaks and estimated water lost from repaired breaks is also kept. Any water used by the fire department is reported monthly to the District. At the end of every month we enter those totals into the spreadsheet provided by the PSC and it calculates our water loss, which is the difference in water sold and water purchased.

a. NMWD uses Excel Spreadsheets

b. See Attached spreadsheet

c. PSC Monthly Water Loss Report
Q-2. Explain in detail your understanding of the information to be provided in each of the categories on the Water Statistics Page (reference page 30) of the annual report required of jurisdictional water utilities, accessed through the Commission's website.

A2.

1. Overview “Water Produced, Purchased and Distributed

2. Water Produced. NMWD is a distributor only.

3. Total gallons purchased

4. Total gallons purchased by NMWD

6. The total amount of water sold to the District's customers, all classes

7. Total for Residential Class

8. Total for Commercial Class

9. Total for Industrial Class

10. Total for Bulk Loading Station Class

11. Total for Resale Class

12. Total for Other Class
13. Total of all Classes

15. Total of Other Water Used

16. Total gallons used by the Utility/Water treatment Plant

17. Total gallons used by Wastewater Plant

18. Total gallons used for System Flushing

19. Total gallons used by Fire Departments

20. Total gallons used by Other

21. Total gallons used by Other

23. The difference between purchased/produced & sold plus other water used section

24. Total gallons from Tank Overflows

25. Total gallons from known Line Breaks

26. Total gallons from known Line Breaks

27. Total gallons from leaks or other issues not determined

28. Total gallons lost from line breaks, line leaks and tank overflows

32. Water loss percentage

33. Total line loss is divided by Total Purchased or Produced
Q-3. State any questions you have regarding how to use the updated Commission Form described and attached as Appendix A to this Order.

A-3. NMWD has no questions regarding how to use the updated Commission Form.
Q-4. State any suggestions or improvements you have for the updated Commission Form described and attached as Appendix A to this Order.

A-4. No Suggestions
Q-5. State any questions you have regarding how the information in the updated Commission Form described and attached as Appendix A to this Order is to be incorporated into annual reports.

A-5. NMWD has no questions regarding how the information in the updated Commission Form is to be incorporated into annual reports.
NORTH MERCER WATER DISTRICT

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 6

Responding Witness: MISCHELL LEE

Q-6. State any concerns you have regarding the use of the updated Commission Form described and attached as Appendix A to this Order.

A-6. NMWD has no concerns regarding the use of the updated Commission Form.
Q-7. State whether you believe it is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated Commission Form described and attached as Appendix A to this Order. Fully explain your answer.

A-7. NMWD believes that is reasonable, proper and appropriate for the Commission to require jurisdictional water utilities to maintain and use the updated form.
CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that North Mercer Water District’s electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on January 10, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two business days.

______________________________
Mischell Lee, General Manager  
North Mercer Water District
COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION                           )
INTO THE MEASURING,                                 )
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JURISDICTIONAL WATER                                )

CASE NO.2018-00394

RESPONSE OF

NORTH MERCER WATER DISTRICT

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: JANUARY 10, 2019
COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION
INTO THE MEASURING,
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CERTIFICATION OF RESPONSE OF NORTH MERCER WATER DISTRICT TO COMMISSIONER’S REQUEST FOR INFORMATION

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Date: 1-9-2019

Mischell Lee, Manager
North Mercer Water District
CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that North Mercer Water District's electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on January 10, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two business days.

Mischell Lee, General Manager
North Mercer Water District
# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

**Water Utility:** NORTH MERCER WATER DISTRICT  
**For the Month of:** February  
**Year:** 2018

<table>
<thead>
<tr>
<th>LINE #</th>
<th>ITEM</th>
<th>GALLONS (Omit 000's)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WATER PRODUCED, PURCHASED &amp; DISTRIBUTED</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Water Produced</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Water Purchased</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>TOTAL PRODUCED AND PURCHASED</strong></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td><strong>WATER SALES</strong></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Residential</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Commercial</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Bulk Loading Stations</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Wholesale</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Other Sales</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td><strong>TOTAL WATER SALES</strong></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td><strong>OTHER WATER USED</strong></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Utility and/or Water Treatment Plant</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Wastewater Plant</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>System Flushing</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Fire Department</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Other Meter test bench</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td><strong>TOTAL OTHER WATER USED</strong></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td><strong>WATER LOSS</strong></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Tank Overflows</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Line Breaks</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Line Leaks</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td><strong>TOTAL LINE LOSS</strong></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Note: Line 13 + Line 21 + Line 28 Must Equal Line 4</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td><strong>WATER LOSS PERCENTAGE</strong></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Unaccounted-For Water (Line 28 divided by Line 4)</td>
<td>#D/IV/0</td>
</tr>
</tbody>
</table>