COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION
INTO THE MEASURING,
RECORDING, AND REPORTING OF
WATER LOSS BY KENTUCKY'S
JURISDICTIONAL WATER
UTILITIES

CASE NO. 2018-00394

RESPONSE OF
Nicholas County Water District

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 11, 2019
COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION
INTO THE MEASURING,
RECORDING, AND REPORTING OF WATER LOSS BY KENTUCKY’S JURISDICTIONAL WATER UTILITIES

CASE NO. 2018-00394

CERTIFICATION OF RESPONSE OF Nicholas County Water District TO COMMISSION’S REQUEST FOR INFORMATION

This is to certify that I have supervised the preparation of Nicholas County Water District’s Response to the Commission’s Request for Information. The response submitted on behalf of Nicholas County Water District is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: 1-11-19

Kirk Robinson, Operator
Nicholas County Water District
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. Nicholas County Water District (NCWD) takes the amount it purchases from its wholesalers and subtracts the water sold to its customers taking into account fire department usage and flushing.

a. NCWD uses a spreadsheet

b. See attached

c. NCWD uses the Public Service Commission’s water loss spreadsheet.
Nicholas County Water District

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 2

Responding Witness: Kirk Robinson

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.

A-2.

1. This is the section the purchased water amounts to be entered

2. NCWD does not produce water

3. This is where the gallons of purchased water is entered.

4. This is the total purchased water

6. This section is the breakdown of water sold to different customers

7. This is gallons of water sold to residential customers

8. This is gallons of water sold to commercial customers

9. This is gallons of water sold to commercial customers

10. This is gallons of water sold and a bulk loading station

11. This is water sold for resale

12. This is for any other water sold

13. This is the total of all water sold to all NCWD’s customers

15. This section is for other water used
16. NCWD does not have a water treatment plant

17. NCWD does not have a wastewater treatment plant

18. This is water used for flushing

19. This is for water used for fire department usage

20. This is for other water used

21. This is the total of all other water used

23. This section deals with water loss

24. This is water loss due to tank overflows

25. This is water loss due to line breaks

26. This is water loss due to line leaks

27. This is other water loss

28. This is the total of all water loss

32. This is the annual water loss percentage

33. This is how water loss percentage for the year is calculated
Nicholas County Water District

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 3

Responding Witness: Kirk Robinson

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. None at this time
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. None at this time
Nicholas County Water District

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 5

Responding Witness: Kirk Robinson

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. None at this time.
Nicholas County Water District

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 6

Responding Witness: Kirk Robinson

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. None at this time.
Nicholas County Water District

CASE NO. 2018-00394

Response to Commission’s Request for Information

Question No. 7

Responding Witness: Kirk Robinson

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. NCWD believes it is reasonable, proper, and appropriate.
CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Nicholas County 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 11, 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.

Kirk Robinson
Appendix A
# Monthly Water Loss Report

**Water Company:** NICHOLAS CO WATER DISTRICT

For the Month of: [ ] Year: [ ]

| Water Produced this month: | gallons |
| Water Purchased this month: | gallons |

**A:** Total Water Produced and Purchased =

<table>
<thead>
<tr>
<th>Sold:</th>
<th>gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
</tr>
<tr>
<td>HCWD</td>
<td></td>
</tr>
<tr>
<td>Water Salesman</td>
<td></td>
</tr>
</tbody>
</table>

Total Sold =

| 0 gallons |

**B:** Difference: (Produced+Purchased) - Sold =

| % Difference = | #DIV/0! % total water loss |

**Gallons of Water Accounted For:**

<table>
<thead>
<tr>
<th>Gallons</th>
<th>gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breaks (Estimated Total)</td>
<td></td>
</tr>
<tr>
<td>Hydrant Flushing</td>
<td></td>
</tr>
<tr>
<td>Storage Tank Overflow</td>
<td></td>
</tr>
<tr>
<td>Water Treatment Plant Use</td>
<td></td>
</tr>
<tr>
<td>Wastewater Treatment Plant Use</td>
<td></td>
</tr>
<tr>
<td>Fire Department Use</td>
<td></td>
</tr>
<tr>
<td>Net Computer Adjustment + / -</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

**C:** Total Gallons Accounted For =

| Loss: Unaccounted-for Water: (B-C) = | 0 gallons |
| % Loss: Unaccounted-for Water: (B-C)/A % = | #DIV/0! % unaccounted - for loss |

**Gallons / Day Loss =**

|  |

**Gallons / Minute Loss =**

|  |

---

This spreadsheet is a product of the Technical Assistance Center for Water Quality at Western Kentucky University and the Kentucky Rural Water Association. Feel free to contact us at (270) 745-5948 or at http://water.wku.edu/.

This spreadsheet may be freely distributed. Please let us know if you use it, like it, or have suggestions for improvement!