

**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
WATER LOSS BY KENTUCKY'S)
JURISDICTIONAL WATER)
UTILITIES)**

RESPONSE OF

Nicholas County Water District

TO

COMMISSION'S REQUEST FOR INFORMATION

DATED DECEMBER 18, 2018

FILED: January 11, 2019

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**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
Kirk Robinson, Operator
Nicholas County Water District

Nicholas County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Kirk Robinson

- 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 spread sheet
 - 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

Nicholas County Water District

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 4

Responding Witness: Kirk Robinson

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

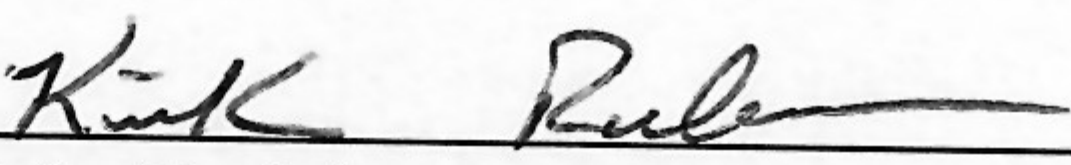
Question No. 7

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 = **0 gallons**

Sold:	Residential			gallons
	Commercial	HCWD		gallons
	Water Salesman			gallons

Total Sold = **0 gallons**

B: Difference: (Produced+Purchased) - Sold = **0 gallons**

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

Gallons of Water Accounted For:

Breaks (Estimated Total)			gallons
Hydrant Flushing			gallons
Storage Tank Overflow			gallons
Water Treatment Plant Use			gallons
Wastewater Treatment Plant Use			gallons
Fire Department Use			gallons
Net Computer Adjustment + / -			gallons
Other			gallons

C: Total Gallons Accounted For = **0 gallons**

Loss: Unaccounted-for Water: (B-C) = **0 gallons**

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

days in month

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!