

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

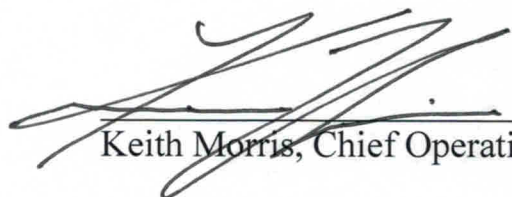
In the Matter of:

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

**CERTIFICATION OF RESPONSE OF Henry County Water District #2
TO
COMMISSION'S REQUEST FOR INFORMATION**

This is to certify that I have supervised the preparation of Henry County Water District #2's Response to the Commission's Request for Information. The response submitted on behalf of the Henry County Water District #2 is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: 1-14-19



Keith Morris, Chief Operating Officer

Henry County Water District #2

Henry County Water District #2

CASE NO. 2018-00394

Response to Commission's Request for Information

Question No. 1

Responding Witness: Keith Morris

- 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. The District's water loss is calculated each month by dividing the 'Total unaccounted-for Line Loss' by the 'Total Produced'. The totals of produced water are provided by our water treatment staff and the sales by our monthly sales report. Leak reports are written and filed by a licensed operator and the data is transferred into the Monthly Loss Report Form.
- a. The District currently uses the form provided on the PSC website for monthly water loss report and use an excel spreadsheet to show our yearly water loss
 - b. Attached (Monthly Loss Report, Flushing Sheet, Leak Form, Yearly Water Loss
 - c. Monthly (PSC) All other forms composed by COO of HCWD #2

Henry County Water District #2

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Response to Commission's Request for Information

Question No. 2

Responding Witness: Keith Morris

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. Title of the spaces below labeled Water Produced, Purchased, and Distributed

2. Water Produced by the HCWD #2

3. Water Purchased by HCWD #2

4. Total Water Produced and Purchased

5.

6. Title of the spaces below labeled as Water Sales

7. Total Gallons sold to Residential Customers

8. Total Gallons sold to Commercial Customers

9. Total Gallons sold to Industrial Customers

10. Total Gallons sold to Bulk Loading Stations

11. Total Gallons sold to Wholesale Customers

12. Total Gallons sold to any and/or other customers

13. The Total Gallons sold to all Customers

14.

15. Title of the spaces below pertaining to accounted for water other than sales

16. Total of the Gallons used by our Treatment Plant

17. Total Gallons used by a Waste Water Plant

18. Total Gallons used by the District for flushing

19. Total Gallons used by Fire Departments

20. Total Gallons used by Other

21. Total Gallons of accounted for water other than sales

22.

23. Title of the spaces below pertaining to water loss or unaccounted for water not permitted to be included in accounted for water use

24. Total Gallons from Water Tower overflows

25. Total gallons from known Line Breaks
26. Unaccounted for gallons from assumed Line Leakage
27. Total unaccounted for gallons from other sources not listed above
28. Total of all gallons from unaccounted for sources
32. Title for box below
33. How to calculate water loss to a percentage

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Response to Commission's Request for Information

Question No. 3

Responding Witness: Keith Morris

- 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. Why should a District be 'punished' in the event a contractor or homeowner damages a water main? I understand that this water cannot be purchased and the cost of that water needs to be calculated, however; I don't understand how that water can negatively effect a district's water loss percentage due to negligence by another source.

**Henry County Water District #2
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Response to Commission's Request for Information

Question No. 4

Responding Witness: Keith Morris

- 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. 1. Remove the excavation damages title under the water loss section and into a section where this number doesn't provide a negative impact
2. The HCWD #2 would suggest the PSC to provide a twelve month spreadsheet that is supported by the PSC.

Henry County Water District #2

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Response to Commission's Request for Information

Question No. 5

Responding Witness: Keith Morris

- 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. The HCWD #2 has no questions 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.

Henry County Water District #2

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Response to Commission's Request for Information

Question No. 6

Responding Witness: Keith Morris

- 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. The HCWD #2 does not have any concerns regarding the use of the updated Commission Form described and attached as Appendix A to this Order.

Henry County Water District #2

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Response to Commission's Request for Information

Question No. 7

Responding Witness: Keith Morris

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. It is the HCWD #2's opinion that water loss is undoubtedly a major concern when it comes to not only maintaining customer's rates, but the over all performance of the District itself. HCWD#2 believes that not one district is truly comparable to another and providing one uniform sheet such as Appendix A for all Districts to be evaluated is not justifiable. The HCWD #2 will have no issue or concern filling out the Commission Water Loss Form, however; feels that the Commission should take other variables into effect. Trying to maintain below a 15% Water Loss in a rural District such as ours is obtainable, but very tough to do month by month.


The District does believe it is reasonable, proper, and appropriate for the Commission to require jurisdictional water utilities to maintain and use a Commission form, however; The District would suggest the Commission take into account that said form be used as more as a tool to aid Districts

instead being used as a form, without other variables being included, as a way of receiving a violation.

I believe the Commission should also look, almost as importantly as the water loss form itself, at what each District is trying to do to resolve the water loss issue. We have switched to all radio read meters, switched all compound meters with a better product, upgraded our telemetry, upgraded our billing software, and in the past 5 years replaced over 20,000' of water main, in-house, that provided the most leaks on our system.

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Henry 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 14, 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.


Keith Morris
Chief Operating Officer
Henry County Water District #2

ATTACHMENT

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility:

For the Month of: Year:

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED, PURCHASED & DISTRIBUTED	
2	Water Produced	
3	Water Purchased	
4	TOTAL PRODUCED AND PURCHASED	-
5		
6	WATER SALES	
7	Residential	
8	Commercial	
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Other Sales <u>Public Govt, Schools, etc.,</u>	
13	TOTAL WATER SALES	- #DIV/0!
14		
15	OTHER WATER USED	
16	Utility and/or Water Treatment Plant	
17	Wastewater Plant	
18	System Flushing	
19	Fire Department	
20	Other _____	
21	TOTAL OTHER WATER USED	- #DIV/0!
22		
23	WATER LOSS	
24	Tank Overflows	
25	Line Breaks	
26	Line Leaks	-
27	Other _____	
28	TOTAL LINE LOSS	- #DIV/0!
29		
30	Note: Line 13 + Line 21 + Line 28 Must Equal Line 4	
31		
32	WATER LOSS PERCENTAGE	
33	Unaccounted-For Water (Line 28 divided by Line 4)	#DIV/0!

HENRY COUNTY WATER DISTRICT LEAK PROCEDURE SHEET

Date: _____

Time of Break: _____ Line Size: _____ # of customers Affected: _____

Location: _____ Cause _____

Expected Time Repair: _____ Actual Time Repair _____

Gallons Flushed: _____

Gallons Lost: _____

Total Gallons: _____

Boil Water Advisory Issued: Yes No (Circle One)

Method of Notification: Door Hangers News Media (Circle One)

If Yes notify the following:

DOW: Jill Tisney (859) 525-4923 Fax (859) 525-4157

After Hours EPA Response Team: 1 (800) 928-2380

Date Notified: _____ Time: _____ Incident #: _____

County Health Departments

Henry & Trimble County, Tony Millet: Office (502) 845-2882 Cell (502) 221-1795

Carroll County: Ashley Froman Office (502) 732-6641

Oldham County: Todd Lafollette Office: (502) 222-3516

Shelby County: Amy Tingle Office: (502) 663 9377 Cell (502) 706-1286

Eminence: Matt Mcalister (502) 643-1293

New Castle: Scott Treece Cell (502) 667-0342

West Carroll: (502) 732-7055

Water Samples: Beckmar Lab 266-6533, Paul Home: 491-2162, Cell 502-777-8559, Rhonda Cell: 777-8564

Cl2Residual _____ Location _____ Date _____

Cl2Residual _____ Location _____ Date _____

Cl2Residual _____ Location _____ Date _____

Date Taken to Beckmar _____

Analysis Results _____ Date _____ Time _____

Date Released _____ Person Releasing _____

****PSC no longer to be notified of a Boil Water Advisory***

